

Toad for SQL Server 7.1.x

Release Notes

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About Toad for SQL Server

With Toad, developers and database administrators can use a familiar, proven tool to manage databases. Toad empowers developers and administrators, of varying skill levels, to rapidly create and execute queries, automate database object management, and develop SQL more efficiently.

Toad also provides utilities to compare, extract and search for objects, manage projects, import/export data and administer the database, while increasing your productivity and delivering access to an active user community.

Toad for SQL Server 7.1.2 is a patch release with new features, security enhancements and resolved issues.

New Features

In Toad for SQL Server 7.1 the following new features were implemented:

Security and Installation Enhancements

For this release of Toad for SQL Server we have provided internal security adjustments. We have revised a list of third party components in use according to their known and potential vulnerabilities. Toad uses only reliable and safe components by third party vendors. See the list of third party components in Toad for SQL Server the help file, section About Us | Third Party Components.

Our Toad installers are now based on the Wix Toolset , which improves user experience and performance of the installation process.

See [Resolved Issues](#) for more enhancements and resolved issues in this release of Toad for SQL Server.

Learn More

Get the latest product information, find helpful resources, and join a discussion with the Toad for SQL Server team and other community members. Join the Toad for SQL Server community at [Toad World](#).

System Requirements

Client Requirements

Before installing Toad, ensure that your client system meets the following minimum hardware and software requirements:

Requirement	Details
Platform	2 GHz processor (recommended minimum)
Memory	8 GB of RAM minimum, 16 GB recommended Note: The memory required may vary based on the following: <ul style="list-style-type: none">• Applications that are running on your system when using Toad• Size and complexity of the database• Amount of database activity• Number of concurrent users accessing the database
Hard Disk Space	800 MB to install Toad 104 MB to run Toad Note: The disk space required may vary based on the edition of Toad selected for installation.
Operating System	Windows Server® 2008 R2 SP2 Windows Server® 2012 Windows Server® 2012 R2 Windows Server® 2016 Windows Server® 2019 Windows® 7 SP1 (32-bit or 64-bit) Windows® 8.1 (32-bit or 64-bit) Windows® 10, version 1809 Important: Toad uses the Microsoft® Distributed Transaction Coordinator (DTC) when opening a SQL file to get Full-Text Search status, but DTC is disabled by default on Windows Server 2008 and Windows 7. If you are using either operating system, ensure that Network DTC access is enabled on the Toad client. See http://technet.microsoft.com/en-us/library/cc753510(ws.10).aspx for more information about enabling DTC access.
.NET Framework	Microsoft® .NET Framework 4.7.1
Additional Requirements	Web Browser Microsoft® Internet Explorer® 11 or later Screen Toad supports screen resolutions up to 3200 x 1800 and display DPI settings up to 150% Copy/Move Database Wizard The SQL Server Backward Compatibility package is required to use the Copy/Move Database wizard. Log Reader The Log Reader requires version 8.0 DLL files in the Microsoft Visual C++ 2005 SP1 Redistributable Package. If these files do not exist on the client, you will need to install them to use some functionality in the Log Reader. http://www.microsoft.com/downloads/details.aspx?FamilyID=200B2FD9-AE1A-4A14-984D-389C36F85647&displaylang=en

Server Requirements

Before installing Toad, ensure that your server meets the following minimum hardware and software requirements:

Requirement	Details
Database Server	SQL Server 2012 and SQL Server 2012 Express SQL Server 2014 Enterprise and SQL Server 2014 Express SQL Server 2016 SQL Server 2017 Notes: <ul style="list-style-type: none">• SQL Server Compact Edition is not supported.• Storage Management is not available on SQL Server Express. Note: To use Access 2016 64-bit to connect to an Access database in Toad, the Microsoft Access Database Engine is required and might not be included in the Access installation. The engine must match the architecture (bitness) of Toad.
Cloud Database Service	SQL Azure and Azure SQL Data Warehouse Note: To be able to utilize a majority of Toad functionality, please grant VIEW DEFINITION on the SQL Azure databases you want to work with.

Virtualization Support

Requirement	Details
Application Virtualization	When deploying Toad in a virtualization environment, for best results ensure the system accurately reflects the applicable client hardware and software requirements listed in this document. Toad has been developed using Microsoft guidelines (see Remote Desktop Services programming guidelines) and can be deployed and operated in virtualization environments such as Citrix XenApp, Microsoft App-V, and VirtualBox. See "Install Toad on Citrix Systems" (page 1) for more information.

User Requirements

User Requirements to Install Toad

Only Windows Administrators and Power Users can install Toad.

If an Administrator installs Toad, the Administrator can share the Toad shortcut icon on the desktop and menu items with any user—a Power User, Restricted User—on the computer.

If a Power User installs Toad, a Restricted User cannot do the following:

- Associate file extensions.
- View the Toad shortcut icon on the desktop or the Toad menu options in the Windows Start menu. As a workaround, Restricted Users can create a shortcut to Toad from the install directory and place the shortcut on their desktop.

User Requirements and Restrictions for Running Toad

The following describes the requirements and restrictions for users who launch and run Toad:

- To create or modify the QuestSoftware.ToadSecurity table to enable Toad Security, the user who maintains this table must have privileges to create, insert, update, and delete it. All other users need only the ability to read the QuestSoftware.ToadSecurity table to use Toad Security features.

Resolved Issues and Enhancements

The following is a list of issues addressed and enhancements implemented in this release of Toad for SQL Server:

Resolved Issues in 7.1.2

Feature	Resolved Issue / Enhancement	Defect ID
Dimensional Viewer	We have improved work with calculated fields and aggregate values in Dimensional Viewer	QAT-15139
General	Collation property while importing data using Automation script has been modified to improve performance with certain JOINS on Tables	QAT-15314/4572415
Object Explorer	Issue with a public login has been resolved	TSS-1660/4473466
Space Management	Disk Management in Toad SQL Server now shows correct number of disks	TSS-1665/4528319, 4545812
Team Server	Publishing a script with different schemas from the same database now works correctly	QAT-15319/4534571

Resolved Issues in 7.1

Feature	Resolved Issue / Enhancement	Defect ID
Code Completion	Dragging and dropping column names from Object Explorer to Editor now works correctly.	QAT-15117
General	Fixed some issues with disappearing buttons on Win 10.	TSS-1661/4448709
Pivot Grid	Pivot Grid now allows you to use Aggregated data values in a calculated field.	QAT-14558/4415769
Query Builder	You now can select LAG and LEAD in the list of functions for calculated fields in Query Builder.	QAT-14252/4438857
SQL Editor	Highlighting keyboard shortcuts now work correctly in Editor.	QAT-15111/4542078, 4555409, 4559368, 4564671

Known Issues

The following is a list of issues known to exist at the time of this release.

Feature	Known Issue	Defect ID
Startup/Installation	If intending to hibernate the machine with the open connections to the servers that might be unavailable at the next startup, it is recommended to disconnect first due to risk of data loss.	N/A
	When installing Toad using Quest Installer on Windows 7 64-bit, Program Compatibility Assistant may appear with "This program might not have installed correctly" message. Workaround: Select This program installed correctly to continue installation. For more information, see http://windows.microsoft.com/en-PH/windows7/Program-Compatibility-Assistant-frequently-asked-questions	N/A
Code Completion	Code Completion provides limited syntax support of SELECT * INTO clause.	ST87112
Connection Manager	Cannot establish Named Pipes connection if "Poll service status in connection list" option is selected. Workaround: Clear "Poll service status in connection list" checkbox on the Tools Options Database General page.	ST86603

	You need to install Microsoft Active Directory Authentication Library (adalsql.msi) to connect to Azure SQL Database using Active Directory Password Authentication.	QAT-14556
Data	For some queries, attempting to right-click a row and select Row Count results in a message stating that the row count could not be determined.	N/A
Performance Monitor	You may encounter an exception in the Performance Monitor during recording: in the Object explorer expand and collapse a tables list.	930
	You may encounter an exception when using the Performance Monitor and Session Browser at the same time.	948
Schema Compare	When the Ignore column order option is not selected two tables are incorrectly reported to be equal.	245
	The script comparing two databases where one database is empty has execution errors.	271
	The script synchronizing two databases that have the same table with different index is incorrect.	834
Debugger	You may encounter some issues when debugging remotely.	ST82044
Editor	Toad may hang after applying Short Format Uppercase Keywords or Short formats to large scripts.	ST83268
Execution Plan	You cannot generate an estimated execution plan for queries containing local temporary tables because the execution plan uses a different connection to generate the plan and does not know about the temp table. Workaround: Use the actual execution plan button to generate execution plans for SQL that contains a temp table.	N/A
Export Wizard/ One Click Export	Limitations when exporting fractional seconds: <ul style="list-style-type: none"> When exporting to an Access Database File, exports do not support fractional seconds, so the additional data is not exported. When exporting to an Excel instance, exports support only 3-digits for fractional seconds. However, if you export to an Excel file, it supports all fractional seconds. 	N/A
	Avoid using Excel for exporting if your data has numeric values that require a high precision because Excel's precision is limited to 15 digits. If you export numbers with more precision, the values are rounded. If you export boundary numbers (max, min), rounded numbers will exceed the data type limit.	N/A
Job Manager	SQL Azure connections currently display in the Job Manager even though the Job Manager is not available for SQL Azure.	ST75721
Log Reader	User information only displays for operations in the sessions that are currently open. Backups do not contain this information because only the SPID information is available to them.	ST37112
	SQL Azure connections currently display in the Read Log wizard even though the Log Reader is not available for SQL Azure.	ST75720
Object Explorer/ Database Explorer	Table and Index Partitioning: <ul style="list-style-type: none"> Currently, you cannot create or manage a partition on a table or index that includes a FileStream column. Currently, estimating index compression savings runs a full table compression savings query, so the estimation may be slow on large tables. 	ST59194 ST68131

FDCC: User cannot start/stop SQL Agent running Toad with Regular or Admin User account on the client side in some limited environments.

ST91618

Workaround:

Start the SQL Agent on the server side.

Third Party Known Issues

The following is a list of third party issues known to exist at the time of release of Toad for SQL Server 7.1.

Feature	Known Issue	Defect ID
Excel	If an Excel file is open in Toad, you cannot open the same file in a separate Excel instance. To review this and other limitations when using Excel in the Web Browser, see "Considerations When Using the WebBrowser Control" at: http://support.microsoft.com/kb/304662 .	42486
Export Wizard/ One Click Export	To export to an Office 2003 or 2007 Excel instance, the Office Primary Interop Assemblies (PIAs) must be installed. You can install the PIAs from one of the following locations: 2003 PIAs: http://www.microsoft.com/en-us/download/details.aspx?id=20923 2007 PIAs: http://www.microsoft.com/en-us/download/details.aspx?id=18346	N/A
Import Wizard	Importing large data sets from Excel (approximately 650,000 rows) is not recommended because of the amount of time it may take. This issue occurs because the Excel import component maintains the output in memory until the import completes. This can cause performance issues depending on the available system resources.	219754
Screen Resolution	Some users may experience an exception when the screen is set to certain resolutions. Workaround: Adjust screen resolution.	N/A

Getting Started

Contents of the Release Package

The Toad release package contains the following products:

1. Toad for SQL Server 7.1
2. Product Documentation, including:
 - Installation Guide
 - Online Help
 - Release Notes

Installation Instructions

See the *Toad for SQL Server Installation Guide* for more information.

Toad for SQL Server Editions

[Toad for SQL Server](#)

[Quest SQL Optimizer for SQL Server](#)

[Benchmark Factory](#)

[Toad Data Modeler](#)

Product Licensing

To activate a purchased commercial license

1. In the Licensing dialog, enter your license (Authorization) key.
2. Enter the site message included with the license key.

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. It supports simultaneous operation with multilingual data. 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.

This release has the following known capabilities or limitations: If the user overrides the default installation path during installation, the new path specification cannot contain Unicode characters.

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.

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

Technical Support Resources

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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