

# Toad for SQL Server 7.0.x

## Release Notes

Thursday, July 25, 2019

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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 7.0.7 is a patch release with new enhancements and resolved issues.

## New Features

In Toad for SQL Server 7.0 the following new features were implemented:

### *New Features in 7.0*

- Support for Active Directory authentication when connecting to an Azure SQL database. Client configuration is required, see [https:// docs.microsoft.com/en-us/azure/sql-database/sql-database-aad-authentication-configure#configure-your-client-computers](https://docs.microsoft.com/en-us/azure/sql-database/sql-database-aad-authentication-configure#configure-your-client-computers)
- Support for extended properties of Azure SQL databases
- Support for Azure SQL data warehouse
- Support for comparing multiple servers in the Automation feature

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
<b>Platform</b>	2 GHz processor (recommended minimum)
<b>Memory</b>	4 GB of RAM minimum, 16 GB recommended <b>Note:</b> The memory required may vary based on the following: <ul style="list-style-type: none"><li>• Applications that are running on your system when using Toad</li><li>• Size and complexity of the database</li><li>• Amount of database activity</li><li>• Number of concurrent users accessing the database</li></ul>
<b>Hard Disk Space</b>	800 MB to install Toad 104 MB to run Toad <b>Note:</b> The disk space required may vary based on the edition of Toad selected for installation.
<b>Operating System</b>	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 <b>Important:</b> 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 <a href="http://technet.microsoft.com/en-us/library/cc753510(ws.10).aspx">http://technet.microsoft.com/en-us/library/cc753510(ws.10).aspx</a> for more information about enabling DTC access.
<b>.NET Framework</b>	Microsoft® .NET Framework 4.7.1
<b>Additional Requirements</b>	<b>Web Browser</b> Microsoft® Internet Explorer® 11 or later <b>Screen</b> Toad supports screen resolutions up to 3200 x 1800 and display DPI settings up to 150% <b>Copy/Move Database Wizard</b> The SQL Server Backward Compatibility package is required to use the Copy/Move Database wizard. <b>Log Reader</b> 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. <a href="http://www.microsoft.com/downloads/details.aspx?FamilyID=200B2FD9-AE1A-4A14-984D-389C36F85647&amp;displaylang=en">http://www.microsoft.com/downloads/details.aspx?FamilyID=200B2FD9-AE1A-4A14-984D-389C36F85647&amp;displaylang=en</a>

## Server Requirements

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

Requirement	Details
<b>Database Server</b>	SQL Server 2012 and SQL Server 2012 Express SQL Server 2014 Enterprise and SQL Server 2014 Express SQL Server 2016 SQL Server 2017 <b>Notes:</b> <ul style="list-style-type: none"><li>• SQL Server Compact Edition is not supported.</li><li>• Storage Management is not available on SQL Server Express.</li></ul> <b>Note:</b> 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.
<b>Cloud Database Service</b>	SQL Azure and Azure SQL Data Warehouse <b>Note:</b> 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
<b>Application Virtualization</b>	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 <a href="#">Remote Desktop Services programming guidelines</a> ) 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.
<b>Server Virtualization</b>	Toad has been tested with the following: <ul style="list-style-type: none"><li>• Oracle VM 3.1 running on Red Hat Enterprise Linux 64-bit with Oracle 11gR2</li><li>• Oracle VM 2.2 running on Windows 2008 32-bit with Oracle 11gR2</li></ul>

## 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 7.0.7

Feature	Resolved Issue / Enhancement	Defect ID
General	Support bundle now generates correctly.	QAT-14988
Script Generation	Generating INSERT statements now works instantly even for tables with large numbers of rows.	TSS-1663/4512804
Pivot Grid	Pivot Grid column subtotals can now be formatted.	QAT-14608
	Default subtotal summary type was changed to SUM for string values in Pivot Grid.	QAT-14837
	There is a new option to show aggregate total values for row categories that only have one value. The default is to not display totals when there is only one value.	QAT-14998
	It is now possible to display subtotals for single values. Click Set pivot grid properties on Pivot Grid toolbar to enable.	QAT-14998

### Resolved Issues in 7.0.6

Feature	Resolved Issue / Enhancement	Defect ID
Automation	An issue when Excel spreadsheet exported during Automation was not displayed is now fixed.	QAT-14819/4498499
Compare Object	Generating a Schema Snapshot does not save a file in network path. It appears to do so but does not. This has been fixed.	TSS-1650
Installation	Users should be able to deploy license keys during installation. This was broken in Toad Data Point 5.0 and is now fixed.	QAT-14834/ 4510329, 4516827, 4516600
Pivot Grid	A scroll bar has been added to the row area in Pivot Grid.	QAT-14705
Query Builder	Vertical scroll bar is now displayed in Cross-Connection Query Mode of Query Builder.	QAT-14749
Query Builder	A Group By button for aggregated functions has been added to Query Builder.	QAT-14609

### Resolved Issues in 7.0.5

There were no resolved issues in this version of Toad for SQL Server.

### Resolved Issues in 7.0.4

Feature	Resolved Issue / Enhancement	Defect ID
SQL Editor	Users can now select the directory to serialize	QAT-14377

Feature	Resolved Issue / Enhancement	Defect ID
	large results sets. The option is located under Database   Script results	

### Resolved Issues in 7.0.3

Feature	Resolved Issue / Enhancement	Defect ID
Automation	Usage connection from parent activity has been reworked. A new option From parent has been added which indicates whether the currently used connection should recursively search for parents	QAT-13279
Data Compare & Sync	'Conversion Overflows' error when doing a data compare on a Microsoft Dynamics table has been fixed	TSS-1628
Data Compare & Sync	SQL Server Schema compare now supports FULLTEXT INDEX when table object includes FULLTEXT INDEX type of index	TSS-1423

### Resolved Issues in 7.0.2

Feature	Resolved Issue / Enhancement	Defect ID
Automation	In an Automation script, if a Data Compare activity included a detail report in an email that used a suffix, the report would not be attached and throw an error. This has been resolved	TSS-1633
Automation	Error when .xlsm file could not be exported using Automation script has been fixed	QAT-14201
Connection Manager	SQL Server Connection error now displayed to the user is now formatted correctly	TSS-1491
Data Compare & Sync	SQL Server Schema compare now supports FULLTEXT INDEX when table objects include FULLTEXT INDEX type of index	TSS-1423
Pivot Grid	Pivot Grid now allows you to use Aggregated data values in a calculated field	QAT-14074
SQL Editor	New option in Tools   Options   Editor   Tools   Auto highlight selected word enables auto highlighting of selected words	TSS-1606

### Resolved Issues in 7.0.1

Feature	Resolved Issue / Enhancement	Defect ID
Connection Manager	Import Connections now supports import/browse connections from SSMS 18.0	TSS-1607
Connection Manager	Contained user could not connect and display objects to SQL Azure database. This has been fixed	TSS-1483
Data Compare & Sync	Error when data cannot be filtered has been fixed	QAT-14057
Data Generator	Data Generator script was failing due to non	TSS-1475

US regional settings in Toad for SQL Server

Import Wizard	Toad now handles hidden columns within the Import Wizard	TDB-3648
Pivot Grid	Pivot Grid now supports Top N rows so one can sort and filter for top N values of pivoted data	QAT-12434
Query Builder	Corrected issue in Query Builder to reverse engineer SQL that contained a UNION and where condition	QAT-13812
Query Builder	Prior to executing mixed case aliases, the Query Builder would change to upper case causing the execution to fail	QAT-13581

**Resolved Issues in 7.0**

<b>Resolved Issue</b>	<b>Defect ID</b>
Quick Export now supports Office 365 Excel.	TSS-1309
Corrected a problem where an open transaction was left in the database with the Script tab.	TSS-1325
Corrected slow performance issue with Object Explorer.	TSS-1469
Corrected a slow performance issue on first query of a database.	TSS-1470
Enhanced report that was too long / contained unnecessary information.	TSS-1484
Corrected a problem where running multiple statements took too long in Toad for SQL Server 6.8.	TSS-1450
Punctuation is an unexpected token in Toad for SQL Server 6.8.1.	TSS-1493
Corrected a problem with Data Generator.	TSS-1494
Corrected a problem completing a "Security Migration" task.	TSS-1507
Corrected a problem with Schema Compare - Named versus a System-Named Constraint.	TSS-1525
Corrected a problem with Data Compare - wrong key mapping.	TSS-1521
Corrected a problem with Schema Compare - "use statement is not supported to switch between databases".	TSS-1534
Corrected a problem with Schema Compare - error with stack trace.	TSS-1524
Corrected a problem where Toad for SQL Server crashed when adding a new user from Active Directory.	TSS-1526
Corrected a problem where Toad for SQL Server left open transactions on a busy server.	TSS-1547
Corrected a problem where selection of backup file	TSS-1581

Resolved Issue	Defect ID
in Native or LiteSpeed Backup File failed	
Corrected a problem with the shortcut for shared snippets.	TSS-1062
Corrected a problem where the code completion sum function was not working so well on the SQL server platform.	TSS-1575
Corrected a problem where the catalog view 'federations' is not supported in this version" - SQL Azure DataWarehouse	TSS-1548
Corrected a problem where the Snippet Token was not working.	TSS-1453
Corrected a problem with the Refresh button on the Perspective page.	TSS-935
Corrected a problem where an internally generated query caused an idle blocking situation.	TSS-1401
Corrected an error with Insert statement when generating SQL.	TSS-1508
Corrected a problem where the contained user could not connect to the SQL Azure database.	TSS-1483

## 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. <b>Workaround:</b> Select <b>This program installed correctly</b> to continue installation. For more information, see <a href="http://windows.microsoft.com/en-PH/windows7/Program-Compatibility-Assistant-frequently-asked-questions">http://windows.microsoft.com/en-PH/windows7/Program-Compatibility-Assistant-frequently-asked-questions</a>	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. <b>Workaround:</b> Clear "Poll service status in connection list" checkbox on the <b>Tools   Options   Database   General</b> 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 <b>Row Count</b> 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. <b>Workaround:</b> 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"> <li>When exporting to an Access Database File, exports do not support fractional seconds, so the additional data is not exported.</li> <li>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.</li> </ul>	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"> <li>Currently, you cannot create or manage a partition on a table or index that includes a FileStream column.</li> <li>Currently, estimating index compression savings runs a full table compression savings query, so the estimation may be slow on large tables.</li> </ul>	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. <b>Workaround:</b> Start the SQL Agent on the server side.	ST91618



## 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 7.0.

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: <a href="http://support.microsoft.com/kb/304662">http://support.microsoft.com/kb/304662</a> .	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: <b>2003 PIAs:</b> <a href="http://www.microsoft.com/en-us/download/details.aspx?id=20923">http://www.microsoft.com/en-us/download/details.aspx?id=20923</a> <b>2007 PIAs:</b> <a href="http://www.microsoft.com/en-us/download/details.aspx?id=18346">http://www.microsoft.com/en-us/download/details.aspx?id=18346</a>	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. <b>Workaround:</b> 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 7.0
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

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- 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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Toad for SQL Server 7.0

Release Notes

Thursday, July 25, 2019