

Toad for SAP Solutions 4.0.x

Release Notes

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About Toad for SAP Solutions

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 SAP Solutions 4.0.7 is a patch release with new enhancements and resolved issues.

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	4 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	800 MB to install Toad

Requirement	Details
Space	212 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
.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%

Server Requirements

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

Requirement	Details
Database Server	SAP ASE 15.5, 15.7, 16 SP03 SAP IQ 15, 16 SAP SQL Anywhere 10, 11, 12, 16 SAP HANA SPS 08, SPS 09, SPS 10, SPS 11, SPS 12, SAP HANA 2.0, SAP HANA 2.0 SPS 02 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.

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.
Server Virtualization	Toad has been tested with the following: <ul style="list-style-type: none"> • Oracle VM 3.1 running on Red Hat Enterprise Linux 64-bit with Oracle 11gR2 • Oracle VM 2.2 running on Windows 2008 32-bit with Oracle 11gR2

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 SAP Solutions:

Resolved Issues in 4.0.7

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 4.0.6

Feature	Resolved Issue / Enhancement	Defect ID
Automation	An issue when Excel spreadsheet exported during Automation was not displayed is now fixed.	QAT-14819/4498499
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

Feature	Resolved Issue / Enhancement	Defect ID
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 4.0.5

Feature	Resolved Issue / Enhancement	Defect ID
Connection Manager	Displaying of database objects on SAP ASE 16 SP03 now works correctly.	QAT-13928
Installation	Allow Saving Passwords option in installation wizard now works correctly for 32-bit installer too.	QAT-14822

Resolved Issues in 4.0.4

Feature	Resolved Issue / Enhancement	Defect ID
SQL Editor	Users can now select the directory to serialize large results sets. The option is located under Database Script results	QAT-14377

Resolved Issues in 4.0.3

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

Resolved Issues in 4.0.2

Feature	Resolved Issue / Enhancement	Defect ID
Automation	Error when .xism file could not be exported using Automation script has been fixed	QAT-14201
Object Editor (DOE)	An issue in Create like connection feature has been fixed	QAT-12420
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 4.0.1

Feature	Resolved Issue / Enhancement	Defect ID
Data Compare & Sync	Error when data cannot be filtered has been fixed	QAT-14057
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
SQL Editor	Corrected issue where function/procedure could not be executed that had a long parameter name when using SAP ASE connections	QAT-13795

Resolved Issues in 4.0

Feature	Resolved Issue	Defect ID
Automation	Execution of procedures in Select to File Activity now works correctly	12124/4175590
Explain Plan	Query Plan now checks for user privilege and displays error message	10945/4062923
	Display of Query Plan has been optimized	11379/4062923
	On ASE it is necessary to enable resource limits on the server to allow Explain Plan to work correctly	12217/4180645
Extract DDL	An issue related to encryption of ASE password has been fixed	12512/4221396
Object Editor	Toad now handles Login profiles correctly	10838/4059748
	Create like login in HANA 2.0 now works correctly	12420/4204361
	SAP IQ events are now dropped and created again when altered	12433/4208440
Object Explorer	Indexes are now included on table Script Generation	11304/4094561
	Time needed for loading some tables on ASE was decreased	11483/4104342
	Display of row count in Object Explorer has been enhanced	11696/4130487
Script Generation	Set flushmessage on now works correctly on SAP ASE	10364
Schema Compare and Sync	Details Report in Schema Compare now works correctly	11645/4118758
SQL Editor	Issue caused by a specific SQL statement was fixed in HANA 2.0 SPS01 Revision 12.01	9346
	Behavior of query cancelling has been improved	11669/4130482
	SQL Editor tab now displays an icon to indicate an error with SQL script instead of changing focus	11695
	Filtering data columns in Result Set now works correctly	12339/4193695, 4199384

Known Issues

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

Feature	Known Issue	Defect ID
Query Builder	In SAP Sybase IQ and SAP Sybase SQL Anywhere, queries with a varchar datatype that contain single quotation marks do not function correctly when generating the query plan. Workaround: Replace single quotation marks with double single quotation marks when generating the explain plan. Note: This fix only affects the explain plan code for IQ and SQL Anywhere.	ST92945
Debugger	An ASE exception occurs when stepping into or over a function during procedure debugging.	ST94273
Schema Compare	Schema Compare add-in that generates DLL does not currently work from all objects context menus.	TSY-524
	An error "Object reference not set to an instance of an object" displays when some snapshots are opened directly in Toad.	2305673-1/TSY-236
Monitor	The monitor is enabled by default after Tools Monitor Process Browser is started but the tooltip still reads 'Enable Monitor'.	TSY-523
	SQL Monitor will take several seconds to load in case of large SQL text data.	2289371-1/TSY-160
Object Editor	In some cases Toad generates DROP and CREATE OR REPLACE at the same time for functions.	TSY-1942
	Currently, it is not possible to Grant some of the roles for SAP HANA, incl. sap.hana.admin.roles::Monitoring or sap.hana.admin.roles::Administrator. Workaround: Assign the roles using the procedure from _SYS_REPO: GRANT_ACTIVATED_ROLE.	TSY-1495
Queries	It is not possible to cancel some queries running in the background.	TSY-486
QP5	Items are not aligned properly when "Commas in lists" are configured "Leading with space" in Options Editor Formatter .	TSY-260

Third Party Known Issues

The following is a list of third party issues known to exist at the time of release of Toad for SAP Solutions 4.0.

Feature	Known Issue	Defect ID
Connection Manager	An error "System.ArgumentOutOfRangeException 'count' must be non-negative. Parameter name: count" using SAP IQ client 16 was fixed.	TSY-1589/ 2912320-1

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 .	ST42486
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/downloads/details.aspx?FamilyID=3c9a983a-ac14-4125-8ba0-d36d67e0f4ad&DisplayLang=en 2007 PIAs: http://www.microsoft.com/downloads/details.aspx?familyid=59DAEBAA-BED4-4282-A28C-B864D8BFA513&displaylang=en	N/A
ADO.Net Driver	Debugger does not allow you to step into or out of procedures.	N/A
Debugger	Debugger support has been discontinued since SAP IQ 16. See SAP IQ Documentation for more information.	TSY-1356
SQL Editor	System procedure sa_get_user_status throws error on IQ 16 due to a new column user_dn_cached_at, which has incorrect timestamp values set. This will be fixed in future updates of SAP IQ. The KBA reference is 2174162. Workaround: Write your own procedure or a view and select only the correct columns (exclude user_dn_cached_at column) or change the incorrect column datatype to varchar instead of timestamp.	TSY-1060

Getting Started

Contents of the Release Package

The Toad release package contains the following products:

1. Toad for SAP Solutions 4.0
2. Product Documentation, including:
 - Installation Guide
 - Online Help
 - Release Notes

Installation Instructions

See the *Toad for SAP Solutions Installation Guide* for more information.

Toad for SAP Solutions Editions

Each Toad for SAP Solutions is packaged with additional Quest products to expand your SAP Solutions experience. The following products may be part of your Toad for SAP Solutions Edition:

[Toad for SAP Solutions](#)

[Benchmark Factory](#)

[SQL Optimizer for SAP ASE](#)

[Spotlight on SAP ASE](#)

[Toad Data Modeler](#)

The following Toad for SAP Solutions editions are available:

Edition	Licensed
Toad for SAP Solutions Base Edition	Toad for SAP Solutions Base
Toad for SAP Solutions Xpert Edition	Toad for SAP Solutions Xpert SQL Optimizer for SAP ASE
Toad for SAP Solutions Developer Edition	Toad for SAP Solutions Xpert SQL Optimizer for SAP ASE Benchmark Factory
Toad for SAP Solutions DBA Edition	Toad for SAP Solutions Xpert Benchmark Factory for Databases Spotlight on SAP ASE Toad Data Modeler
Toad for SAP Solutions DB Admin Module	DB Admin Module

i NOTE: The DB Admin Module Add-on can be added to any edition of Toad.

i IMPORTANT: Your license key determines the edition and will enable Toad for SAP Solutions functionality accordingly. In many cases, if functionality is disabled within Toad, you may not have an appropriate license to use it. When Toad is running, you can see which components are licensed by selecting **Help | About**.

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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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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