

Toad for SAP Solutions 4.1

Release Notes

Wednesday, October 9, 2019

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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 4.1 is a minor release with new features, security enhancements and resolved issues.

New Features

In Toad for SAP Solutions 4.1 the following new features were implemented:

Security and Installation Enhancements

For this release of Toad for SAP Solutions 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 SAP Solutionsthe 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 SAP Solutions.

Learn More

Get the latest product information, find helpful resources, and join a discussion with the Toad for SAP Solutions team and other community members. Join the Toad for SAP Solutions 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 | 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 Space | 800 MB to install Toad 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 | <p>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.</p> <p>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.</p> <p>See "Install Toad on Citrix Systems" (page 1) for more information.</p> |
| Server Virtualization | <p>Toad has been tested with the following:</p> <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 4.1

| Feature | Resolved Issue / Enhancement | Defect ID |
|-----------------|--|--|
| Code Completion | Dragging and dropping column names from Object Explorer to Editor now works correctly. | QAT-15117 |
| 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 |
|----------------|---|-------------------|
| 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 4.1.

| 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 |
| 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 |

| Feature | Known Issue | Defect ID |
|---------------------------------------|---|-----------|
| 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 4.1
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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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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