

# Toad™ for SAP Solutions

Simplified SAP database development and management

Dramatically simplify SAP database development and administration, and make it easier to proactively solve performance issues across your SAP ASE, IQ, SQL Anywhere and SAP HANA databases. It's not only possible, but easy with Toad™ for SAP Solutions, an intelligent and systematic solution for managing your SAP database environments.

Trusted by millions of users worldwide, Toad's unique community-built approach increases the productivity of developers, database administrators (DBAs) and analysts. With this comprehensive toolset, you can eliminate the challenges associated with managing database maintenance, performance and change.

**Automate maintenance tasks** — Spend less time on routine and redundant maintenance tasks, so you can focus on mission-critical projects.

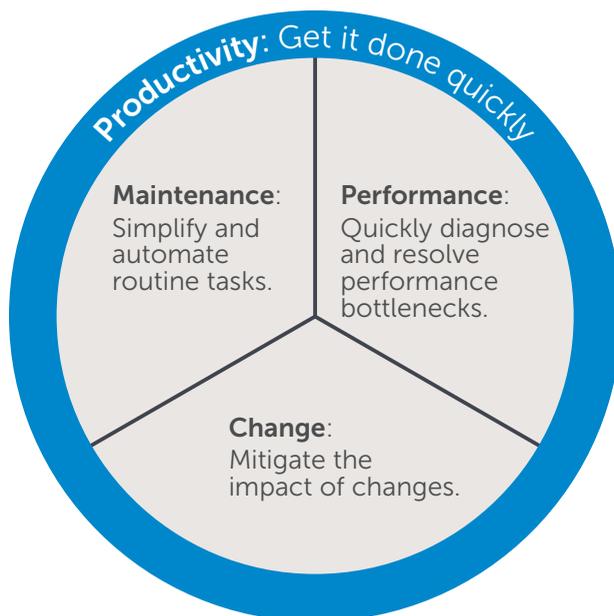
**Improve performance** — Quickly pinpoint, diagnose and resolve performance bottlenecks to minimize downtime.

**Predict the impact of change** — Understand the potential impact associated with making database changes to prevent negative outcomes.

**Increase productivity** — Reduce your workload with automation and improved workflow that increases consistency and accuracy. Become more proactive and focus on higher-value tasks.

Benefits:

- Spend less time on routine administrative tasks.
- Reduce time to resolution when performance bottlenecks occur.
- Increase productivity while maximizing SAP database performance and availability.
- Minimize the risk associated with making database changes.
- Have confidence your database can handle user demand and workloads.
- Ensure maximum SQL performance through a fully automated process.
- Create high-quality data models and easily deploy accurate changes to data structures.
- Get deep functional support for SAP database platforms, including ASE, IQ, SQL Anywhere and SAP HANA — in a single solution.



## System requirements

### Supported databases:

SAP ASE 12.5.4, 15.0.2, 15.0.3, 15.5, 15.7, 16

SAP IQ 15, 16

SAP SQL Anywhere 10, 11, 12

SAP HANA SPS08, SPS09

### Minimum hardware requirements:

1GHz minimum

162MB of disk space for installation

512MB of RAM minimum, 1GB recommended

### Minimum software requirements:

Windows Server 2008, Windows Server 2012 (32-bit or 64 bit), Windows Vista (32-bit or 64-bit), Service Pack 2, Windows 7 and Windows 8 (32-bit or 64-bit), Windows 8.1 (32-bit and 64-bit)

Microsoft .NET Framework version 4.5

Microsoft Internet Explorer version 8.0 or later

Adobe Acrobat Reader version 5.0 or later base edition (for viewing the Getting Started Guide)

Toad for SAP Solutions is available in various editions to suit the needs of developers and DBAs.

### Toad for SAP Solutions Base Edition

With its intuitive interface and layout, the Base Edition is the ideal solution to increase your productivity while maximizing SAP database performance and availability. With the Base Edition, you can:

- Automate routine tasks and increase accuracy.
- Create and execute queries, manage database objects, compare and synchronize data, and identify performance problems in record time.
- Debug stored procedures in ASE, IQ or SQL Anywhere code.

### Toad for SAP Solutions Xpert Edition

This edition includes all the features in the Toad for SAP Solutions Base Edition, plus SQL Optimizer for SAP ASE. The Toad for SAP Solutions Xpert Edition enables you to:

- Implement a fully automated approach to maximizing SQL performance.
- Identify potential performance issues directly from running SQL statements, T-SQL or other source code.
- Ensure the best possible SQL performance through automated validation and alternative code suggestions and indexing.
- Optimize SQL code with no code changes.
- Analyze, predict, preempt, diagnose, optimize and manage performance changes so your organization's critical applications run faster.

### Toad for SAP Solutions DB Admin Module

This advanced administration module is specifically designed for DBA's in mind. With this DB Admin module you can:

- Simplify complex administration and reporting tasks.
- Review session-level information to easily resolve problems for end users.
- Compare and synchronize data.
- Reverse-engineer complex object DDL.
- Manage roles and users.

### Toad DBA Suite for SAP Solutions

This suite of database administration tools includes the Toad for SAP Solutions Base Edition, the DB Admin Module, SQL Optimizer for SAP ASE, Benchmark Factory for Databases, Spotlight™ on SAP ASE and Toad Data Modeler. This suite empowers you to:

- Observe database and operating system activity in real time through an intuitive graphical interface.
- Find problem users based on either CPU utilization, I/O utilization or blocking processes.
- Record and replay performance diagnostics.
- Eliminate the need to manually calibrate alert levels for each adaptive server.
- Speed time to resolution with proactive alerts for detailed diagnostics and swift resolution.
- Create high-quality data models and easily deploy accurate changes to data structures.
- Compare and synchronize models.
- Generate complex SQL/DDDL.
- Create and modify scripts.
- Reverse and forward engineer databases and data warehouse systems.

### About Dell Software

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