



## Simplify Oracle Database Administration

As a database administrator (DBA) today, you have to be more versatile than ever before. That's because you are under constant pressure to implement application and database changes and quickly resolve problems, while preventing data loss or corruption. Plus, you must manage a variety of toolsets, while meeting service levels for performance and availability.

Now you can alleviate your challenges with a systematic approach for simplifying database administration from Quest Software. This approach begins with an integrated solution that solves a wide range of challenges related to general database administration, performance diagnostics, and performance tuning.

| Administration   | Diagnostics  | Tuning   |
|--|--|--|
| <ul style="list-style-type: none"> <li>• Create and maintain Oracle database instances, objects and user permissions</li> <li>• Produce detailed reports on database health and objects/schemas</li> <li>• Perform advanced data management, including data comparison and generation</li> <li>• Manage, synchronize and deploy schema changes</li> <li>• Assess security vulnerabilities</li> </ul> | <ul style="list-style-type: none"> <li>• Identify performance problems in real time and historically through a visual representation of the database structure</li> <li>• Play back historical activity to find the source of performance issues</li> <li>• Produce detailed performance metrics and get alerts on potential Oracle bottlenecks</li> <li>• Identify inefficient SQL statements from the Oracle SGA or directly from source code</li> </ul> | <ul style="list-style-type: none"> <li>• Tune SQL for the best possible database performance using expert advice</li> <li>• Optimize SQL and PL/SQL automatically, and in batch</li> <li>• Determine indexing strategy and improve SQL performance through index simulation</li> <li>• Perform database health checks, manage database space and rebuild indexes</li> <li>• Analyze the impact of database changes</li> <li>• Replay database workload to simulate production activity levels prior to deployment</li> </ul> |

Usually with a background in development, design or system administration, you are considered the resident expert on everything Oracle. Other tasks like networking, system administration and data modeling are also sometimes considered within your scope of responsibilities. The application development team often calls on you for advice on issues such as SQL performance and user access rights. This means you have less time to concentrate on traditional DBA tasks, and you frequently find yourself in a reactive mode.

Quest Software's Toad® DBA Suite for Oracle will meet your needs regardless of your skill sets, and whether you work in a development or a production environment. For example, if you are a production DBA in small-to-medium-sized shop, the Toad DBA Suite helps you to anticipate and respond to performance problems before end users are impacted; if you are a development DBA, the solutions helps you to manage and prepare the development and testing environment for production.

- Manage, synchronize and deploy schema changes
- Administer your databases – including users, roles, infrastructure and utilities
- Diagnose and resolve database performance issues in real time
- Identify problematic SQL statements directly from source code or execution in Oracle
- Optimize SQL statements automatically through SQL rewrite and indexing
- Manage database storage
- Perform and schedule checks of database instance, health and security
- Replay database workload to simulate production environment in development/test databases

The Toad DBA Suite for Oracle consists of four integrated products:

#### **Toad® for Oracle Xpert**

- Identify and quickly fix poorly performing code
- Generate or rebuild indexes for single or multiple SQL statements

#### **DB Admin Module**

- Simplify administration and reporting tasks
- Assess session-level information for effective end-user problem resolution
- Assess database health and security vulnerability

#### **Spotlight® on Oracle**

- Find performance bottlenecks through a graphical representation of database components
- Pinpoint the cause of performance problems in real time or historically
- Utilize expert advice on problem resolution

#### **Toad® Data Modeler**

- Synchronize the database with the current data model to build an accurate alter script
- Generate detailed reports to document existing database structures and provide to development team

#### **Benchmark Factory® for Databases**

- Replay database workload to simulate production activity levels prior to deployment

#### **Benefits:**

- Minimizes development and administration costs by automating common tasks
- Reduces the Oracle database total cost of ownership and decreases development cycles by helping to resolve problems before end users are impacted
- Lowers the risk of slow transaction response time and downtime, enabling you to meet service level agreements (SLAs)
- Ensures that new applications meet business requirements and perform well in production

No matter how much experience you have as a DBA, the Toad DBA Suite for Oracle can help you work smarter, not harder, and become more proactive.

#### **About Quest Software, Inc.**

Quest Software, Inc. delivers innovative products that help organizations get more performance and productivity from their applications, databases and Windows infrastructure. Through a deep expertise in IT operations and a continued focus on what works best, Quest helps more than 50,000 customers worldwide meet higher expectations for enterprise IT. Quest Software can be found in offices around the globe and at [www.quest.com](http://www.quest.com).



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