



"Toad improves productivity for both our developers and DBAs. Thanks to automated tools like Toad, developers and DBAs can operate more efficiently and independent of one another to quickly analyze problems and tune the databases."

— Brian Christensen
Director IT Business Systems
Cisco

- CodeXpert analyzes stored procedures against a set of rules and provides detailed corrective recommendations
- Procedure Editor increases productivity with hot keys, auto correct, type-ahead, syntax highlighting and version control for PL/SQL, Java and HTML
- SQL Editor enables you to quickly test queries, view and edit data, and process DDL commands, all from an easy-to-use interface
- Fast, multi-tabbed Schema Browser displays and manages all database objects graphically, with single-click access to object details, data and underlying DDL
- PL/SQL Debugger module minimizes coding errors by allowing you to debug line by line, set breakpoints, watch/edit variables and more
- DBA module allows you to manage space, administer security, compare and synchronize database schemas and more
- Intelligent SQL Optimization improves SQL statements with Quest Software's proven expert advice
- Advanced team coding features integrate with the leading version control systems, improving team coordination on large and complex projects



Proven Database Development Tool Increases User Productivity and Application Code Quality

Toad™ for Oracle is a powerful, low-overhead tool that makes database and application development faster and easier while simplifying day-to-day administration tasks. Whether you are a PL/SQL developer, application developer, DBA or business analyst, Toad for Oracle offers specific features to make you more productive than ever before.

Toad improves productivity with all the functionality you need to build and execute queries, create and modify database objects, and develop and debug SQL and PL/SQL code. Even day-to-day tasks — such as importing/exporting data, comparing schemas and updating statistics — are made faster and easier with Toad. Plus, Toad offers integration with Knowledge Xpert™ for built-in Oracle database expertise from recognized database experts.

Toad also helps you and your team increase the quality of your database applications. Integrated SQL Tuning and automated PL/SQL code review features provide users of all levels with the expertise needed to turn out quality code. Plus, Quest offers interactive community support from both peers and industry experts through online discussion groups, the Quest Pipelines Web site and newsletters, and events designed especially for the Toad community of users.

Effortless Database Browsing and Administration

With Toad for Oracle, you don't have to be an expert to manage database objects. Toad's Schema Browser allows you to quickly view and manage the entire data dictionary through a simple, multi-tabbed browser. When you click on an individual object, Toad for Oracle will immediately display associated details, eliminating lengthy drill-down lists. For ease of use, all objects can also be managed within the browser window.

Advanced Editors for Quick and Accurate Coding

Toad for Oracle's powerful editors improve your productivity, eliminate errors and dramatically decrease development time. The editors allow you to work on multiple files simultaneously — even different file types such as SQL, PL/SQL, HTML, Java and text. By replacing the traditional command line query and script execution facility with a graphical interface, Toad for Oracle provides a fast and easy-to-use development environment — configurable to your preferences. Key features include:

- SQL Editor – Provides hot keys, auto-correct and type-ahead features for faster coding
- Convenient bookmarks – Enable developers to easily jump between several areas of code
- Multi-tabbed Procedure Editor and full-featured toolbar – Provide effortless editing and testing
- Pop-up selectors – Available for table names, column names and Oracle functions/keywords
- Multiple objects – Can be compiled at once, and dependent objects are also compiled

In addition, Toad's editors are tightly integrated with the PL/SQL debugger modules, enabling you to test only specific areas of your procedure. Now you have the option of running only the current statement, running only statements following the cursor or running to the cursor. Toad also offers several different modeling functions. ER Diagram allows the viewing and printing of the objects in the database. The Code Road Map allows the viewing and printing of the objects in PL/SQL code. Toad also offers a SQL Modeler to provide quick and easy query building. Simply drag and drop tables into SQL Modeler, and it will automatically build the SQL statement.

The easy-to-use, integrated environment enables you to specify query criteria, test the auto-generated SQL statements, view the explain plans, see the query results, save the statements or copy them back into the editor. Even if you are a novice user, with Toad's SQL Modeler, you can quickly create complex queries like an Oracle expert.

Enhanced Version Control Management

Development team coordination is provided by Toad for Oracle's Team Coding facilities. Team coding allows multiple developers to check out source code or database objects, effectively locking the code and preventing overwrites. In addition, third-party version control systems such as Merant PVCS, Microsoft SourceSafe, Rational ClearCase and StarBase – Star Team, as well as many others, are all supported. For database schemas or objects under a version control system (VCS), Toad silently retrieves source code from the VCS repository, does a quick compare to make sure the VCS code is current, and warns you if a newer version exists on the database. You can be confident that Toad enforces proper change management procedures.

PL/SQL Debugger

The PL/SQL Debugger for Toad lets you code and debug the way you work — line by line and statement by statement — without having to change normal application execution or use cumbersome workarounds. With Toad's PL/SQL Debugger, you can step through code one line at a time as it executes on the server, as well as set conditional breakpoints, watch and modify variables and view the execution stack. You can also attach to external application sessions to debug stored procedures as they are called from any client-server application. With Toad for Oracle you can avoid tedious PL/SQL debugging tasks, while saving valuable time and improving the overall quality of applications.

Quest DBA Module

You can increase Toad for Oracle's power and flexibility and automate day-to-day database administration with the Quest DBA module. The integrated DBA module provides a powerful browser-based view of performance information across multiple instances or databases and a well-rounded environment to handle common tasks. These include comparing and synchronizing database schemas; managing space, control files and redo logs; administering security; scheduling batch jobs; and modifying NLS (National Language Support) parameters — all within Toad's intuitive interface. The DBA module also includes Oracle import and export wizards and the database creation wizard. It provides a convenient interface to Oracle's SQL*Loader utility, making both data loading and unloading easy and efficient. This module also provides full create, alter, drop, etc., support for all DBA-managed objects via the easy-to-use Schema Browser interface.

SQL Optimization

Available in Toad™ for Oracle Xpert, the fully integrated SQL Optimization supplements Oracle tuning skills for developers, stepping up their application tuning capabilities. SQL Optimization makes observations about a selected SQL statement and the underlying database environment, then recommends several options to improve performance. The AutoTune feature further automates the tuning process by generating the SQL rewrites that offer the highest likelihood of improving your SQL statement.

Oracle E-Business Module

The Oracle E-Business Module improves the development efficiency throughout the lifecycle of Oracle E-Business implementation, development and troubleshooting. The integrated Oracle E-Business Module provides such capabilities as E-Business-specific object browser capabilities, configurable reports, an activity monitor and a unique lookup finder — all within Toad's intuitive interface. These views into Oracle E-Business objects and activity reduce the required research time when developing new concurrent programs, adjusting menus and examining flexfields.

Integration with Knowledge Xperts

Toad for Oracle features complete integration with both Knowledge Xpert™ for PL/SQL and Knowledge Xpert™ for Oracle Administration. The Knowledge Xperts are designed to fully anticipate the daily responsibilities of both developers and DBAs. The new Database Analysis feature studies your database and delivers technical content that is customized for your database environment. Over 4,500 topics are instantly accessible and include insights, diagrams and examples written by a host of respected industry authors and experts. Using these resources, you can now instantly answer 70 percent to 80 percent of your daily Oracle technical questions.

Toad for Oracle Configurations

Toad is available in the following configurations:

- **Toad™ for Oracle** — Provides the foundation and basic tools for Oracle professionals to create and execute queries, as well as build and manage database objects. You'll benefit from the formatting feature and enhanced user interface, and have support for SQL Plus. This edition enables you to plug into Toad for Oracle's added utilities.
- **Toad™ for Oracle Professional** — (includes all features of Toad for Oracle with integrated debugging, PL/SQL knowledge base and code profiling) Developing PL/SQL code is a lengthy process, requiring a great deal of accuracy. Toad for Oracle Professional features an expert code review that effortlessly integrates into Toad for Oracle's Procedure Editor – analyzing stored procedures against a set of rules, which means you'll receive detailed, corrective recommendations.
- **Toad™ for Oracle Xpert** — (includes all features of Toad for Oracle Professional with integrated SQL and PL/SQL Optimization scanning via CodeXpert) Are you looking for a way to make the chore of tuning SQL code easier and less time consuming? Toad for Oracle Xpert can simplify this task by identifying potential performance-limiting factors. We've also equipped you with the power of an enhanced SQL Optimization component that is sure to shorten tuning time for developers, DBAs and analysts.

System Requirements

Client:

- Pentium PC or higher
- Windows 2000/NT/XP/2003
- 256 MB RAM
- 44 MB disk space/100 MB for Xpert Edition
- Oracle SQL Net, Net 8 (32-bit only) or Net 9
- VGA monitor with display capabilities of at least 1024 x 768 resolution

Server:

- Oracle versions 7.3.4; 8.0.6; 8.1.7; 9i; 9r2; and 10g
- Any hardware platform

• **Toad™ for Oracle Suite** — The Toad for Oracle Suite equips you with all the features and functionality found in Toad for Oracle Xpert, plus a built-in array of tools to radically improve the way Oracle professionals develop code and build and maintain database objects.

- DBA Module
- Knowledge Xpert for Oracle Administration
- Knowledge Xpert for PL/SQL
- DataFactory® Developer Edition
- Benchmark Factory® for Databases
- Toad™ Data Modeler

This complete development suite provides all the tools necessary to design, develop, test and manage your database.

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 18,000 customers worldwide meet higher expectations for enterprise IT. Quest Software can be found in offices around the globe and at

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