

Toad® for Oracle 11.5
Functional Matrix



<i>Essential Functionality</i>	Toad for Oracle Base Edition	Toad for Oracle Professional Edition	Toad for Oracle Xpert Edition	Toad Development Suite for Oracle	Toad DBA Suite for Oracle	Toad DBA Suite for Oracle - RAC Edition	Toad DB Admin Module (add-on)
Browse and navigate through objects	✓	✓	✓	✓	✓	✓	
Create and manipulate database objects through graphical interfaces	✓	✓	✓	✓	✓	✓	
Edit: snippets, predictive typing, syntax highlighting, code folding, spell check	✓	✓	✓	✓	✓	✓	
Customize code templates and code formatter	✓	✓	✓	✓	✓	✓	
Unicode support	✓	✓	✓	✓	✓	✓	
Development Functionality							
Query Builder	✓	✓	✓	✓	✓	✓	
Integrated Debugger	✓	✓	✓	✓	✓	✓	
Automate traditional DBMS_OUTPUT debugging for maximum productivity	✓	✓	✓	✓	✓	✓	
Advanced ER Diagram with HTML reporting and e-mail	✓	✓	✓	✓	✓	✓	
Build database code dependencies diagram (Code Road Map)	✓	✓	✓	✓	✓	✓	
Compare code difference in database objects and files	✓	✓	✓	✓	✓	✓	
External/remote debugging (used when the DB code is called from apps. like Java, C++, VB, etc.)	✓	✓	✓	✓	✓	✓	
Convert embedded SQL to other programming languages (Delphi, C, C++, Java, Perl and VB etc.)	✓	✓	✓	✓	✓	✓	
Load and unload multiple Java source files	✓	✓	✓	✓	✓	✓	
Store PL/SQL execution parameters for re-use	✓	✓	✓	✓	✓	✓	
Browse Oracle Export file content and selectively extract objects and data	✓	✓	✓	✓	✓	✓	
Export Oracle Applications Express (APEX) objects	✓	✓	✓	✓	✓	✓	
Automate functional code test creation and unit test execution				✓			
Team Collaboration							
Share common standards and templates	✓	✓	✓	✓	✓	✓	
Integrates with 6 version control system providers	✓	✓	✓	✓	✓	✓	
Manage project assets	✓	✓	✓	✓	✓	✓	
Code Analysis and SQL Tuning							
PL/SQL profiling to detect code performance bottlenecks	✓	✓	✓	✓	✓	✓	
Visual SQL explain plan	✓	✓	✓	✓	✓	✓	
Trace user sessions and visually display Oracle Trace file output					✓	✓	✓
Display session information and performance metrics	✓	✓	✓	✓	✓	✓	
Automate code analysis and validation against SQL and PL/SQL coding best practices		✓	✓	✓	✓	✓	
Automated, configurable, objective code review and analysis with reports, maximizing code quality		✓	✓	✓	✓	✓	
Enforce code quality validation prior to version control checkin		✓	✓	✓	✓	✓	
Identify coding best practice violations dynamically during editing.			✓	✓	✓	✓	
Identify problematic SQL directly from database objects, files and source code			✓	✓	✓	✓	
Automate SQL rewrites to locate the most-efficient SQL alternative (internal to Editor and full external optimizer)			✓	✓	✓	✓	

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Code Analysis and SQL Tuning	Toad for Oracle Base Edition	Toad for Oracle Professional Edition	Toad for Oracle Xpert Edition	Toad Development Suite for Oracle	Toad DBA Suite for Oracle	Toad DBA Suite for Oracle - RAC Edition	Toad DB Admin Module (add-on)
Optimize multiple SQL statements in batch in context with the source code and provide optimized code			✓	✓	✓	✓	
Recommend indexing changes based on continuous database workload assessment.			✓	✓	✓	✓	
Analyze impact of changes to database environment through index simulation.			✓	✓	✓	✓	
Test SQL and PL/SQL for scalability under simulated user loads to validate performance under production conditions				✓	✓	✓	
Track real-time SQL executions from client applications to help locate issues or perform QA	✓	✓	✓	✓	✓	✓	
Track real-time SQL executions on test or development servers to help locate issues or perform QA on client applications			✓	✓	✓	✓	
Schema, Data and Change Management							
Advanced, highly productive data grids offering simple column selectivity and grouping	✓	✓	✓	✓	✓	✓	
Import/export data from data grid into/from Excel files and other formats	✓	✓	✓	✓	✓	✓	
Data compare and synch	✓	✓	✓	✓	✓	✓	
Display table data representing Parent-Child dependencies (Master Detail Browser)	✓	✓	✓	✓	✓	✓	
Reverse engineer objects DDL including roles, permissions to recreate objects in a different db/schema	✓	✓	✓	✓	✓	✓	
Compare schemas using live connections or pre-saved offline snapshots	✓	✓	✓	✓	✓	✓	
Generate test data (randomized or real-world)		✓	✓	✓	✓	✓	
Oracle Import/Export utilities	✓	✓	✓	✓	✓	✓	
Analyze the impact of new indexes and index changes on the database			✓	✓	✓	✓	
Analyze SQL execution plan changes between different db environments (i.e. dev. vs. prod. or Oracle 9i vs. 10g)			✓	✓	✓	✓	
Replay scalable database workload to simulate production load levels in a test environment prior to deployment or implementation of database or platform changes				✓	✓	✓	
Reverse engineer database schema into a physical data model, compare with another version and generate alter script	✓	✓	✓	✓	✓	✓	
Reverse engineer physical data model into a platform agnostic conceptual data model	✓	✓	✓	✓	✓	✓	
Round-trip engineer from database or DDL between different database platforms such as Oracle, SQL Server, Sybase, DB2, etc	✓	✓	✓	✓	✓	✓	
Compare and generate schema change scripts between two or more schema versions					✓	✓	✓
Compare and generate schema change scripts between two or more versions of offline schema snapshot files					✓	✓	✓
Compare and generate database server change scripts between two or more databases					✓	✓	✓
Compare and generate database server change scripts between two or more versions of offline database snapshot files					✓	✓	✓

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Reporting	Toad for Oracle Base Edition	Toad for Oracle Professional Edition	Toad for Oracle Xpert Edition	Toad Development Suite for Oracle	Toad DBA Suite for Oracle	Toad DBA Suite for Oracle - RAC Edition	Toad DB Admin Module (add-on)
Generate customizable schema and database reports in HTML format	✓	✓	✓	✓	✓	✓	
Automate report generation and distribution	✓	✓	✓	✓	✓	✓	
Generate code review reports covering all aspects of code quality assessment		✓	✓	✓	✓	✓	
Generate reports on 211 aspects of database performance, configuration (inc virtualized databases), schema, RAC and security vulnerabilities					✓	✓	✓
Generate reports on potentially problematic SQL and optimization results			✓	✓	✓	✓	
Database Administration							
Control access to protected databases.	✓	✓	✓	✓	✓	✓	✓
Browse multiple servers and databases, perform tasks and drill down to object level					✓	✓	✓
Browse and navigate database-specific objects like tablespaces and roles	✓	✓	✓	✓	✓	✓	✓
Direct access to Oracle Alert log and Oracle Trace files to quickly diagnose issues					✓	✓	✓
Manage database objects, such as tablespaces and rollback segments	✓	✓	✓	✓	✓	✓	✓
Display performance metrics from VS, GV\$ and SGA					✓	✓	✓
Check database for security vulnerabilities and usage of Oracle OEM Options and Packs					✓	✓	✓
Multi-database reporting and analysis dashboard for Oracle RMAN backups					✓	✓	
Execute one or more scripts against one or more databases	✓	✓	✓	✓	✓	✓	
Performance Diagnostics and Tuning (Oracle instances)							
Integrate with OEM's performance pack with Oracle tuning advisor *	✓	✓	✓	✓	✓	✓	
Identify top sessions and resource-intensive SQL	✓	✓	✓	✓	✓	✓	
Playback historical activity on Oracle instances to find the source of performance issues					✓	✓	
Preempt performance changes due to db environment changes such as indexing, migration and configuration changes			✓	✓	✓	✓	
Simple, highly visual alert-based point-and-click problem resolution for Oracle databases including contextual launching from Toad					✓	✓	
Simple, highly visual alert-based point-and-click problem resolution for Unix, Linux or Windows-based servers					✓	✓	
Performance diagnostics for Oracle Data Guard					✓	✓	
Simple, highly visual alert-based point-and-click problem resolution for MySQL databases					✓	✓	
Monitoring of Oracle OEM					✓	✓	
Perform database predictive diagnostics to pre-empt and mitigate potential future performance bottlenecks					✓	✓	
Perform 211 database health checks including Performance Configuration and storage					✓	✓	✓
Perform 34 database health checks on Exadata servers					✓	✓	✓
Collect data from Oracle StatsPack or AWR * and display advisories to correct potential performance issues					✓	✓	✓
Manage space, repair chained rows and estimate space usage					✓	✓	✓

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Performance Diagnostics and Tuning and Change Management (Oracle RAC)	Toad for Oracle Base Edition	Toad for Oracle Professional Edition	Toad for Oracle Xpert Edition	Toad Development Suite for Oracle	Toad DBA Suite for Oracle	Toad DBA Suite for Oracle - RAC Edition	Toad DB Admin Module (add-on)
Perform 211 database health checks including Oracle RAC configuration					✓	✓	✓
Simple, highly visual alert-based point-and-click problem resolution for Oracle RAC						✓	
Visualize instance, cluster and interconnect levels for Oracle RAC performance diagnostics						✓	
Enables DBAs to launch Spotlight on Oracle directly in context with an instance exhibiting performance issues						✓	
Playback historical activity to find the source of performance issues						✓	
Perform industry standard benchmark testing on Oracle RAC to determine optimum CPU/node configuration					✓	✓	
Replay database workload to simulate production load levels in a test Oracle RAC environment prior to deployment or implementation of RAC configuration, database or platform changes					✓	✓	
General							
Read-only mode	✓	✓	✓	✓	✓	✓	
Restrict access to Toad features	✓	✓	✓	✓	✓	✓	
Direct access to feature-based videos	✓	✓	✓	✓	✓	✓	
Direct access to knowledge and educational content on Toad World and other resources using a search bar	✓	✓	✓	✓	✓	✓	
Context-sensitive PL/SQL knowledge base, including best practices, worked examples, error messages and much more	✓	✓	✓	✓	✓	✓	
Distribute and optionally enforce configurations and settings to group of users	✓	✓	✓	✓	✓	✓	
Share, schedule and automate tasks across one or more databases with macro/action record and playback	✓	✓	✓	✓	✓	✓	
Multi-database functionality							
Query and report on multiple database platforms: Oracle, SQL Server, DB2, MySQL, Access, Teradata, Netezza, PostgreSQL, Sybase IQ, Sybase SQL Anywhere, Vertica and more from a single interface**	✓	✓	✓	✓	✓	✓	
Integrated tools for query development including Query Builder and Editor**	✓	✓	✓	✓	✓	✓	
Import & Export utility**	✓	✓	✓	✓	✓	✓	
ER Diagram & database browser**	✓	✓	✓	✓	✓	✓	
Graphical automation of workflow tasks for re-use and scheduling**	✓	✓	✓	✓	✓	✓	
Pivot Tables, charting and comprehensive reporting**	✓	✓	✓	✓	✓	✓	
Reverse engineer database schema into a physical data model, compare with another version and generate alter script***	✓	✓	✓	✓	✓	✓	
Reverse engineer physical data model into a platform agnostic conceptual data model***	✓	✓	✓	✓	✓	✓	
Round-trip engineer from database or DDL between different database platforms such as Oracle, SQL Server, Sybase, DB2, Ingres, etc***	✓	✓	✓	✓	✓	✓	

* Optional functionality. May access OEM packs. Disabled by default.

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