Toad® for Oracle 15.1

Release Notes

Revised 1/25/2022

Contents

About Toad for Oracle

Toad for Oracle provides an intuitive and efficient way for database professionals of all skill and experience levels to perform their jobs with an overall improvement in workflow effectiveness and productivity. With Toad for Oracle you can:

- Understand your database environment through visual representations
- Meet deadlines easily through automation and smooth workflows
- Perform essential development and administration tasks from a single tool
- Deploy high-quality applications that meet user requirements; perform predictably and reliably in production
- Validate database code to ensure the best-possible performance and adherence to best-practice standards
- Manage and share projects, templates, scripts, and more with ease

The Toad for Oracle solutions are built for you, by you. Nearly two decades of development and feedback from various communities like Toad World have made it the most powerful and functional tool available. With an installed-base of over two million, Toad for Oracle continues to be the "de facto" standard tool for database development and administration.

Toad for Oracle resources

Toad World is a unique and valuable resource available to all Toad users. Toad World provides forums, blogs, videos, product information, Beta releases (when available), and Trial downloads for Toad products. Visit Toad World at: https://www.toadworld.com.

Two of the most-often used features of Toad World are the Forums and the Idea Pond.

- On the Idea Pond page, you can submit your ideas to improve Toad and vote for or comment on other ideas. The Toad team takes your suggestions seriously, and you may even hear back from one of our developers on the topic. We encourage all Toad users—from new to experienced—to let us know how we can improve Toad.
- On the Forum page, you can ask a question or start a discussion and view all other forums within the Toad community.

The Toad World blog pages feature a broad range of information, including topics of interest to our industry, as well as instructions from team members on how to use the latest Toad features.

The Toad for Oracle web-based training is a perfect accompaniment to your product license. This free training walks you through major product features and explains how to perform frequent tasks. You'll also see how to utilize time-saving automation functionality. You'll receive a certificate of completion for each course once you pass the accompanying test.

About this release

Toad for Oracle 15.1 includes component and requirement upgrades. These upgrades address security vulnerabilities previously identified in the third party component.

About Toad® for Oracle® Editions

Each Toad for Oracle Edition is packaged with additional Quest products to expand your experience. The following products may be part of your Toad for Oracle Edition:

- Toad for Oracle 15.1
- Benchmark Factory for Databases
- Code Tester for Oracle
- Spotlight on Oracle
- SQL Optimizer for Oracle
- Toad Data Modeler

The following Toad for Oracle Editions are available:

Edition	Licensed
Toad for Oracle Base Edition	Toad® for Oracle®
Toad for Oracle Professional Edition	Toad® for Oracle® Professional
Toad for Oracle Xpert Edition	Toad® for Oracle® Xpert — Includes all features in Base and Professional Editions SQL Optimizer for Oracle®
Toad for Oracle Developer Edition	Toad® for Oracle® Xpert Code Tester for Oracle® Benchmark Factory® for Databases - Oracle Edition
Toad for Oracle DBA Edition	Toad® for Oracle® Xpert DB Admin Module Add-on Spotlight on Oracle® — Includes Spotlight on Unix/Linux, Spotlight on Windows, and Spotlight on Oracle Data Guard Benchmark Factory® for Databases - Oracle Edition Toad® Data Modeler
Toad for Oracle DBA RAC Edition	Toad® for Oracle® Xpert DB Admin Module Add-on Spotlight on Oracle® with RAC Option — Includes Spotlight on Unix/Linux, Spotlight on Windows, and Spotlight on Oracle Data Guard Benchmark Factory® for Databases - Oracle Edition Toad® Data Modeler
Toad for Oracle DBA Exadata Edition	Toad® for Oracle® Xpert

Edition	Licensed
	DB Admin Module Add-on
	Spotlight on Oracle® with RAC and Exadata Options — Includes Spotlight on Unix/Linux, Spotlight on Windows, and Spotlight on Oracle® Data Guard
	Benchmark Factory® for Databases - Oracle Edition
	Toad® Data Modeler

NOTE: The DB Admin Module can be added to any Toad Edition.

For more information about the products in your Toad for Oracle Edition and the minimum system requirements for running these products, see the Toad for Oracle Editions release notes at:

https://support.quest.com/technical-documents

New Features and Enhancements

Toad for Oracle 15.1

"Dark Mode" Theme

"Dark Mode" and several other new color themes are now available via **Options | Color Styles**.

Connections

Toad can now connect to a database without an installed Oracle client using ODAC "Direct mode". To learn about the limitations of this method see ODAC Connection Modes - Client Mode vs Direct Mode" on devart.com.

Native Support for XMLTYPE data type

Toad can now work with XMLTYPE data type using ODAC without limitations, or workarounds when using Oracle client 12.2 or newer.

Improved Oracle 21c Support

Improvements have been made to support the following Oracle 21c features:

- JSON datatype supported throughout Toad.
  Note: Oracle fetches JSON as BLOB. Toad can convert it to CLOB or VARCHAR2 (to make the data readable and editable) if you configure it in Options|Schema Browser|Data Tab. You must add the conversion clause yourself in SQL from the Editor if you want to see the JSON data as text.

- Blockchain and immutable tables supported.

- In-memory clause supported for external partitioned tables.

- Password Rollover Time supported in profiles.

- Mandatory profiles supported.

- Information Lifecycle Management clause supported for indexes.

- Multivalue indexes supported on indexes of JSON columns.

Toad for Oracle 15.0

Subscription Licensing

Note: Applies to Toad for Oracle Subscription with online licensing.

New offerings:

- Toad for Oracle Xpert Plus Edition (Toad for Oracle Professional DB Admin Edition plus SQL Optimizer for Oracle).

Oracle Database 21c Support

Existing Toad features work with 21c on Linux and Oracle Cloud Infrastructure. Support for new features of 21c will be added in a future release of Toad.

Note: Oracle Database 21c has not been released for Windows at time of publication.

Data Grids

Cached updates allows for bulk operations to be performed and reviewed locally before posting all changes to the database.

Accessibility

Improved support for screen readers in toolbars and menus.

Toad for Oracle 14.2

Automation Designer

- A new menu item has been added, "Change connections...," which allows for changing the connection associated with one or more selected actions.
- The Execute Script action has a new option to enable/disable substitution variables. This is useful when executing a script having an ampersand in its path.

Code Snippets

- The Code Snippets datafile is now in JSON format which is less likely to suffer from corruption in the event Toad shuts down abnormally.

Compare Data

- Settings can be saved to file and loaded for future comparisons.

- A new option has been added to compare LOBs by their length which is faster, but not 100% accurate. See the "Compare LOBs by length only" option in the Features section of the Compare Data options tab.

Compare Multiple Tables

- Table name filter now supports a comma separated list of table names in addition to traditional filters using wildcard (%).

- Memory consumption improvements when comparing LOBs.

- A new option has been added to compare LOBs by their length which is faster, but not 100% accurate. See the "Compare LOBs by length only" option on the Compare Multiple Table options tab.

Compare Schemas

- Exclusion file now supports excluding items only in Source or Target schemas and excluding items with differences.

Connections

- A new option has been added to automatically attempt a reconnect one time if a session disconnect is detected. If the reconnect was successful then Toad will seamlessly continue the operation in most cases. There are a few instances where Toad will not be able to complete the operation. Those include working with datasets that are already fetched into a grid and debugging. See the "Auto-reconnect if timeout or disconnect occurs" option in View | Toad Options | Oracle | Transactions.

- Improved error message when there are no Oracle clients installed that eliminates unnecessary UI elements and provides a link to download the client.

Make/Strip Code

- The Make/Strip Code datafile is now in JSON format which is less likely to suffer from corruption in the event Toad shuts down abnormally.

Schema Browser

- Shortcuts associated with common Schema Browser actions can be configured. See View | Toad Options | Toolbars/Menus | Shortcuts

Sensitive Data Protection

- Table comments are now included in sensitive data searches.

Subscription Licensing

- Improved error message when an invalid license key is entered.
- Notification is presented when there are new editions available.

Toolbars

- Toolbar layouts are now migrated from prior releases. A status bar notification will appear alerting you to the possibility that your migrated toolbars may be excluding menu item changes and new features. From the notification you can reset your toolbars to get the latest toolbar definition.

Workspaces

- Schema Browser Quick Filters and the active right side detail tab are now saved.
- Editor windows and their contents are now restored even if the connection bound to them could not be restored.

You can find the most up-to-date list of new features for this release in the *Toad for Oracle Release Notes* found at: https://support.quest.com/toad-for-oracle/technical-documents.

Enhancements from Idea Pond

The following is a list of enhancements submitted by Toad for Oracle users through Idea Pond and implemented in this release.

The Toad for Oracle Idea Pond on Toad World is a site where you can submit your ideas to improve Toad and vote or comment on ideas submitted by other users. The Toad development team has always been driven by Toad customers, and Idea Pond makes it easy for you to tell us what changes are most important.

- To visit Idea Pond, **log in** to the Toad Forums at: https://forums.toadworld.com. Select the **Categories** tab. Then click **Idea Pond** in the **Toad for Oracle** category.

Enhancement	Issue ID	Link to Idea Pond
Delete button added to Login window.	TMB-1666	link

Discontinued Features

Knowledge Xpert. Knowledge Xpert is no longer available on Toad World. Beginning with release 13.1, Toad components no longer reference the online Knowledge Xpert.

Ask a Question. The **Go to Toad World** and **Ask a Question** commands on the Toad World toolbar have been replaced. To ask a question, click the **Forums** toolbar button to go directly to the forum. To go to Toad World, click the **Forums** or the **Browse Blogs** toolbar buttons. You can also use the Help menu: **Help | Toad World | Forums**. This change is found in Toad for Oracle 13.1 or later.

Integration with Toad Intelligence Central. Beginning with Toad for Oracle 13.1, Toad no longer provides integration with Toad Intelligence Central. The Toad Intelligence Central window is not available and you cannot publish scripts, files, Code Analysis results, and other resources to a Toad Intelligence Central server using Toad for Oracle. You cannot connect to Toad Intelligence Central through Toad for Oracle.

Resolved issues

The following is a list of issues addressed and enhancements implemented in this release of Toad for Oracle.

Toad for Oracle 15.1

The following list of resolved issues includes issues received from the Toad for Oracle forum, Toad Beta users, and exception data collected from the Toad Improvement Program.

Issue ID	Link to Forum Post	Resolved Issue
TOR-4841		Export Dataset: Exporting a new sheet to an existing Excel File which contains a pivot table causes file corruption
TOR-5129/TMB-3814		Editor: Toad is truncating data when opening a file with an embedded 'NUL' character.
TOR-5135/TMB-1613		Editor: Query Builder removes the 'connect by' in a sql statement when trying to reverse engineer a hierarchy statement.
TOR-5258	link	Toad Options: The Toad Improvement Program cannot be disabled if the internet connection is restricted.
TOR-5316	link	Connections: Oracle client version 12.1.0.1 corrupts data received via output bind variables because Toad for Oracle does not support Oracle client 12.1.0.1.
TOR-5379	link	Editor: The nested table dialog does not display the first character of VARCHAR2 nested tables.
TOR-5449	link	Editor: Executing a query that includes a table with an XMLTYPE column results in ORA-00904.
TOR-5457	link	Automation Designer: Using a system variable name in a query iterator does not work when scheduled.
TOR-5536	link	Export DDL: Toad creating incorrect scripts from PL/SQL objects which exist in different versions in container and pluggable databases.
TOR-5599	link	Connections: In the toolbar, Reconnect and Reconnect All use the same icon and have no tooltip.

Issue ID	Link to Forum Post	Resolved Issue
TOR-5620	link	Rebuild Table: Script includes "ALTER TABLESPACE {Tablespace Name} COALESCE;" command even if user does not have the alter tablespace privilege.
TOR-5623		Connections: The Transactions window auto-refresh fails if a connection is lost and then recovered.
TOR-5645	link	Editor: When an error occurs executing a script Toad highlights the first line of the statement instead of the line where the error actually occurs.
TOR-5649	link	Explain Plan: ORA-00905 is raised when PUBLIC is specified as the plan table schema in Toad options
TOR-5667	link	DBMS Output: Looks enabled after ORA-04068 is raised when it is actually disabled.
TOR-5669	link	Schema Browser: ORA-00904 is raised when trying to browse the "Data" tab for SYS, TABLES, SYSTEM_PRIVILEGE_MAP.
TOR-5670	link	Editor: HTML is incorrectly displayed in the error message when ORA-2000 is raised.
TOR-5671	link	Editor: Variables are incorrectly flagged as unused when utilizing Refactor - Find Unused Variables.
TOR-5673	link	Editor: When using an ANSI JOIN clause Code Assist is not listing the packages that are available.
TOR-5674	link	Editor: Navigating between procedures in the package spec using the keyboard shortcut: Ctrl+Shift+Up/Down fails in some cases.
TOR-5675	link	Editor: Ctrl+Click does not always find variable declarations.
TOR-5680	link	Schema Browser: Tables with identity columns are not found in "Sequences - Used By" tab.
TOR-5682		Data Grids: The keyboard short cut Ctrl+X does not cut.
TOR-5684		Workspaces: When a window is minimized and the Workspace is then saved and re-loaded the window is no longer minimized.
TOR-5685	link	Unit Test: The right click menu for entries in the tree view of UTPLSQL Manager is prevented from displaying by a tooltip.
TOR-5686	link	Schema Browser: Hidden columns still display after they are unchecked via the "Scheduler Jobs - Run Log" tab.
TOR-5700		Compare Data: In specific cases when comparing data, Toad incorrectly identifies rows as "source only" and "target only".
TOR-5701	link	Unit Test: If a database's decimal separator does not match Toad's, then UTPLSQL's execution time incorrectly displays as zero after the test is complete.

Issue ID	Link to Forum Post	Resolved Issue
TOR-5710	link	Connections: TNSNames entries with leading spaces do not appear in the login window
TOR-5714		Editor: The [F3] Shortcut for find is not highlighting the correct text if Greek letters are present.
TOR-5716		General: When copying and pasting the clipboard fails in some cases.
TOR-5718		Schema Browser: When logged into a database using Team Coding the refresh option is not visible in Materialized View.
TOR-5719	link	Connections: The login window does not always remember the last connection.
TOR-5722	link	Schema Browser: Execute Procedure returns "Invalid field size" error when "Scientific Notation" is unchecked.
TOR-5723	link	SGA Trace/Optimization: SGA/Trace is missing some fields in newer Oracle versions.
TOR-5725	link	Trace File Browser: The new trace file browser transfer mode (compress, transfer, decompress) sometimes fails.
TOR-5728	link	Compare Schemas: Views are showing differences in column size when they should be identical.
TOR-5730	link	Export Dataset: "Excel Instance" is not exporting strings as strings, which affects the exported data in some cases.
TOR-5731	link	Rebuild Multiple Objects: ORA-00900 is raised when rebuilding LOB Segments via "Load LOB Segments of Checked Tables".
TOR-5737		Administer Tablespaces: Files tab incorrectly shows 0 free space for some datafiles.
TOR-5743		Editor: Auto-replace only replaces whole words.
TOR-5752		Editor: Large NUMBER bind variables are incorrectly converted to scientific notion.
TOR-5755	link	Datagrids: BLOB editor dialog has no "Clear" button.
TOR-5758		Session Browser: Nothing happens when filtering parallel slaves.
TOR-5759		Copy data to another schema: Number precision is lost if Scientific Notation is checked.
TOR-5760		Session Browser: ORA-00029 is raised when clicking "Cancel SQL for selected session" for parallel processes.
TOR-5761	link	Editor: Ctrl+PgUp/Down does not navigate correctly to package bodies.
TOR-5765	link	QSR: Q-quotes do not work in QSR.

Issue ID	Link to Forum Post	Resolved Issue
TOR-5770	link	Import Table Data: Using expressions when importing table data fails in some cases.
TOR-5771		Editor: The "replace" functionality in the "Find/Replace" dialog is case sensitive even if the case sensitive box is not checked.
TOR-5774		Automation Designer: Multiple connections cannot be selected after using the "Change Connections" option.
TOR-5777		Automation Designer: The Query Iterator forces its connection on child actions.
TOR-5782	link	Editor: Ctrl+D always launches Quick Describe from Editor even when Ctrl+D is configured for other shortcuts.
TOR-5800		Schema Browser: Using a Foreign Key look up on large tables sometimes causes out of memory errors.
TOR-5804	link	Connections: Sometimes when an Oracle DB is connected the Connection Bar Icon shows it as disconnected.
TOR-5817	link	Schema Browser: Alter Table displays incorrect values for PCTFREE and PCTUSED in some cases.
TOR-5863	link	Editor: Toad Script Runner (TSR) throws an error when substitution variables are used.
TOR-5864	link	SQL Recall: The [F8] keyboard shortcut briefly displays the Right Hand Side Dock panels when opening the SQL Recall dialog.
TOR-5868		Schema Browser: ORA-00904 is raised when accessing the Schema Browser Favorites "Data" tab after altering a view.
TOR-5871		Export DDL: Toad produces an incorrect script when creating a table on 11gR2 in some cases.
TOR-5879	link	Connections: The Transaction window is not displayed correctly after being resized, closed and then re-opened.

Toad for Oracle 15.0

The following list of resolved issues includes issues received from the Toad for Oracle forum, Toad Beta users, and exception data collected from the Toad Improvement Program.

Issue ID	Link to Forum Post	Resolved Issue
TOR-1344	link	Editor: Caret position is not retained after formatting in some cases
TOR-5321		Schema Browser: Identify columns cannot be modified in the data grid

Issue ID	Link to Forum Post	Resolved Issue
TOR-5370		Desktop: A floating dock panel returns to a docked state when it is closed and re-opened
TOR-5371		Team Coding: PL/SQL objects that are already in VCS are re-added when compiled
TOR-5372		Data Grids: Duplicating a row inserts the new row before the selected row which makes it appear as though nothing happened if the selected row is the last visible row in the grid
TOR-5373		Team Coding: VCS client configuration options cannot be modified without the TC_ADMIN_ROLE
TOR-5377	link	Editor: Toad hangs when canceling a compile with debug operation if the object is in use and locked by another process
TOR-5384		Schema Browser: Unable to toggle Object/Collection Type visibility when the browser style is set to "Treeview"
TOR-5385		Editor: Clicking "Next" on the Replace dialog performs a replace instead of advancing to the next occurrence of the search term
TOR-5391		Schema Browser: Statistics tab is blank for Queues having an object ID greater than 2147483648
TOR-5394		Workspaces: Transactions window is not restored when loading a workspace
TOR-5409		Debugger: When connected to a pluggable database in Oracle RAC using TNSNAMES connection the debug session incorrectly connects to the container database in some cases
TOR-5410		Debugger: When connected to a pluggable database in Oracle RAC using direct connection the debug session fails to establish a connection
TOR-5411		Connections: Selecting a closed connection from the Change Session button does not prompt for password if it has been changed since the connection was last used; also affects restoring workspaces having connections with new passwords
TOR-5414		Data Grids: Posting a null value for a column with a NOT NULL constraint throws an error even if the column is populated by a BEFORE INSERT trigger
TOR-5416		Database Health Check: Misleading Feature Usage results when run against a pluggable database
TOR-5417		Create Table: Incorrect script may be generated after renaming a column
TOR-5418		Data Grids: Modifying date values results in a date conversion error if the data grid "Date format" option is set to YDM
TOR-5420		Import Table Data: File preview record numbering does not reflect the file line numbers when the "First Row" option is configured to something other than 1

Issue ID	Link to Forum Post	Resolved Issue
TOR-5450	link	Schema Browser: Data filter name is cleared when adding new criteria to a saved filter
TOR-5451	link	Editor: Auto Replace does not take the "Additional Word Chars" option into account when looking for word boundaries
TOR-5453		Editor: Find dialog does not move out of the way to reveal search matches
TOR-5454	link	Code Insight: Tables related through referential integrity are not shown when the SQL qualifies the table reference with the schema name
TOR-5456	link	Workspaces: Editor tabs are restored incorrectly when the "One/Connection" option is used for the Editor window
TOR-5459	link	Editor: ORA-00942 is encountered when executing SQL having leading tabs in some cases
TOR-5461	link	Master Detail Browser: Access Violation occurs when sorting a detail dataset
TOR-5463		Editor: Auto Replace does not work when Tab key is pressed if the "Tab Mode" option is set to "Spaces" or "Smart"
TOR-5466		Workspaces: DBMS Output polling options are not restored
TOR-5470		Trace File Browser: Errors occur when loading trace files 2 GB or larger
TOR-5484	link	General: Slow load times in environments without internet access
TOR-5486		Editor: Access Violation in module SciLexer.dll in some 64-bit installations
TOR-5489		Schema Browser: Double clicking an object does not open the Alter window when the right side detail area is hidden and browser style is set to "Treeview"
TOR-5490		Schema Browser: Unable to expand package spec/body to view package members when the right side detail area is hidden
TOR-5491		Schema Browser: Double clicking a package to load it in the Editor does not obey the "Load spec/body as a pair" option
TOR-5493		Editor: Clicking the Save button will prompt to export the Data Grid contents if the Data Grid has focus
TOR-5495		Data Grids: Records do not scroll at the same rate as mouse wheel rotation when scrolling quickly
TOR-5496		Team Coding: Double clicking a Package or Type spec/body does not load both the spec and body in the Editor
TOR-5497		Rebuild Table: ORA-32795 is raised when rebuilding a table having an IDENTITY column
TOR-5498		Schema Browser: When Browser Style is set to "Treeview" the tree does not scroll at the same rate as mouse wheel rotation when scrolling quickly

Issue ID	Link to Forum Post	Resolved Issue
TOR-5499		Compare Data: Differences report incorrectly identifies the source and target tables when the two tables have a primary key column of the same name
TOR-5502		Document Recovery: Some Editor shortcuts are mapped incorrectly after recovering a document
TOR-5503		Workspaces: Access Violation occurs when restoring a workspace that has the Schema Browser opened and navigated to the Favorites tab
TOR-5504		Alter Tablespace: Numeric conversion error occurs when using a decimal value for Size and/or Next Extent fields Alter Tablespace: Max Size field does not accept decimal values and instead removes the decimal separator, e.g. 1.5 becomes 15
TOR-5507		Login: Add/Edit Login Record dialog is missing Protocol and Instance Name fields when configuring a direct connection
TOR-5508	link	Code Insight: The query that searches for referential integrity relationships is not optimal and takes a long time to execute in some environments
TOR-5511		Schema Browser: Package navigation does not work properly when the "Default EOL Mode" option for files is set to "Unix (LF)" line endings
TOR-5516		Workspaces: Restoring workspaces saved in older versions of Toad may create more connections than it should
TOR-5518	link	Editor: Bookmark positions are lost or moved after formatting code
TOR-5520		Editor: Auto Replace options exclude the pipe character as an activation char, but since it's part of the concatenation operator it should be present by default
TOR-5526		AWR Browser: Date conversion error occurs in some locales
TOR-5527		Connections: A race condition when closing a connection results in an Access Violation
TOR-5529		Team Coding: DDL operations against an uncontrolled object are blocked and an error message is shown if the object was previously controlled
TOR-5539		Workspaces: File modifications that are not saved to disk are not retained as part of the workspace Workspaces: Files that have been deleted from disk since saving a workspace are not restored; the contents of the file as it was when the workspace was saved should be restored and the tab caption updated to indicate that the file has been deleted
TOR-5541	link	Automation Designer: The Connection Iterator action loops over each connection, one nested action at a time; it should be running each nested action against the current connection before advancing to the next connection like a traditional loop construct

Issue ID	Link to Forum Post	Resolved Issue
TOR-5588		Schema Browser: A race condition when invoking a drop, canceling the query, and closing the window may result in an Access Violation
TOR-5592	link	Schema Browser: Switching between saved filters on the Data tab does not reflect the active filter properly in the status bar
TOR-5595	link	Tablespaces: Viewing datafiles results in an ORA-00904 error when connected to a multitenant container database if the "Include Pluggable Databases" option is checked
TOR-5596		Session Browser: Activating an inactive, unmaximized Session Browser window by clicking on its title bar does not change the active connection to be that of the window in some cases
TOR-5597		Schema Browser: ORA-01460 occurs if the "Enable value lookup for foreign key constraints" option is checked when browsing data on databases using a non-Unicode character set
TOR-5609		Trace File Browser: Some large trace files suffer from an unnecessary performance hit
TOR-5614		Editor: Unable to retrieve trace file after execution
TOR-5635		AWR Reports: ORA-01406 occurs in some cases

Toad for Oracle 14.2

The following list of resolved issues includes issues received from the Toad for Oracle forum, Toad Beta users, and exception data collected from the Toad Improvement Program.

Issue ID	Link to Forum Post	Resolved Issue
TOR-2353	link	Schema Browser: Usage data shown for the selected Tablespace on the left side is cleared after refresh
TOR-3566		Debugger: Access Violation occurs during mouse-over inspection of ":new" and ":old" variables in triggers
TOR-3656		Create Unit Test: "not contain" matcher is missing from the list of available matchers
TOR-3663		Create Unit Test: Incorrect suite DDL generated when accepting the default values for the "All Tests Setup/Teardown" and "Test Setup/Teardown" options
TOR-3664		Code Snippets: Several utPLSQL matchers do not have code snippets
TOR-3665		Code Snippets: Several annotations do not have code snippets
TOR-4050	link	Editor: Bookmark gutter indicators disappear when deleting text in some cases

Issue ID	Link to Forum Post	Resolved Issue
TOR-4755		Editor: Access Violations occur when answering Yes to reload files that have been modified externally in some cases
TOR-4957	link	Editor: Executing a valid SELECT against a table with XMLTYPE columns incorrectly results in ORA-00904 or ORA-00936
TOR-4985	link	Data Grids: When CLOB data is cleared the data is updated to be zero length instead of NULL
TOR-4993		Editor: The progress dialog counts steps incorrectly when executing as script
TOR-5021		Automation Designer: Unable to use scripts with ampersand in their path
TOR-5026	link	Schema Browser: Max size incorrectly shown as 32T instead of unlimited for a bigfile tablespace with max size set to unlimited and ORA-00740 is raised when altering such tablespaces in some cases
TOR-5027	link	Team Coding: Double clicking on a package or type in the Team Coding Manager incorrectly prompts to reload the object when the "Check out object on opening" option is set
TOR-5033		Automation Designer: Access Violation occurs when deleting apps
TOR-5035	link	Export Dataset: Exporting data containing CLOB as Insert Statements can generate lines exceeding the maximum length allowed by SQL*Plus
TOR-5036		Toolbars/Menus Shortcuts: Several features of the Editor do not respect their shortcut assignment when configured to be anything other than the default value
TOR-5040	link	Editor: Executing a SELECT that utilizes a common table expression results in ORA-00942 when one or more of the tables has an XMLTYPE column
TOR-5042	link	Editor: Running a SELECT that produces multiline character having LF line endings truncates each line of data when the "Newline format for character data" option is set to "Fetch as Windows format, post as Unix format"
TOR-5044	link	Copy Data: Excessive error prompting when the option to enable/disable constraints is set and there are errors disabling constraints
TOR-5045	link	Schema Browser: The left side tree for PL/SQL objects is missing a column header and thus cannot be easily sorted
TOR-5051		Editor: Data Grid column width is very narrow after running a SELECT statement if the Data Grid is set to unpinned
TOR-5062		Compare Multiple Tables: ORA-00972 is raised when generating a differences summary report in some cases
TOR-5064		Session Browser: The splitter is oriented incorrectly after flipping the form layout
TOR-5072		Team Coding: The "Check-in All" toolbutton and menu item are disabled even

Issue ID	Link to Forum Post	Resolved Issue
		when objects are checked out
TOR-5092	link	Editor: The Windows taskbar does not flash to notify of query completion when Toad does not have focus
TOR-5093	link	Schema Browser: Altering the size of a tablespace datafile produces an extra, harmless ALTER statement
TOR-5098		Create Table: Invalid floating point exception when clicking Show SQL if the Next Extent storage option has no value
TOR-5101	link	Workspaces: Loading saved Workspace does not restore the Editor desktop layout properly
TOR-5102	link	Connections: Making a connection using the recently used connections toolbutton does not allow updating the password when it has been changed from what was last used in Toad
TOR-5118	link	Editor: Executing a SELECT that fetches ROWID produces a read-only dataset when the '@' character appears anywhere in the SQL text
TOR-5122		Compare Multiple Tables: Excessive server memory usage when comparing tables with columns of a LOB type
TOR-5124		Export Dataset: Unnecessary prompt to choose a table in some cases
TOR-5131/TMB-3517		Editor: Korean fonts are not applied
TOR-5133/TMB-2668		Toolbars: Custom toolbars are lost after upgrading
TOR-5134/TMB-2233		Editor: The Navigator is slow to load when the Code Analysis "Check rules as you type" option is set
TOR-5136/TMB-2000		Script Execution: Alphanumeric variable values unnecessarily require double quoting to work properly
TOR-5147	link	Editor: When the word wrap option is enabled and text wraps Toad becomes unresponsive in some cases
TOR-5151	link	Code Snippets: The Code Snippets datafile may become corrupt causing loss of all saved snippets
TOR-5161	link	Make/Strip Code: The Make/Strip Code datafile may become corrupt causing loss of all saved templates
TOR-5162	link	Toolbars/Menus Shortcuts: Several features of the Editor do not respect their shortcut assignment when configured to be anything other than the default value

Issue ID	Link to Forum Post	Resolved Issue
TOR-5167		Explain Plan: Invalid floating point exception is raised when viewing Single Record View of an item tree view style and locale settings are configured for thousands separator of '.' and decimal separator of ','
TOR-5171		Administer Tablespaces: Datafile free space is incorrectly reported to be 0 in some cases
TOR-5181		Code Analysis: Access Violation occurs when sending objects to be scanned from elsewhere in Toad, i.e. Schema Browser, when column filters are set such that the object is hidden
TOR-5185		Schema Browser: The focused object type node loses focus after refresh when the Browser Style is set to Treeview
TOR-5220/TMB-2262		Code Insight: ORA-02391 is raised when the connected schema has a profile assigned that limits the number of sessions to 1
TOR-5228	link	Schema Browser: Custom tab order is not always applied when using the "Tabbed (multi line tabs)" view style
TOR-5229	link	Data: Large CLOB values on non-Unicode databases experience corruption when fetched
TOR-5243	link	Automation: Running Toad and passing in an action and a parameter file value results in an "Unable to create directory" error when the parameter file can not be located
TOR-5244	link	Schema Browser: Incorrect scripts are generated for partitioned tables with referential integrity constraints
TOR-5246	link	Create Synonym: Long object names are unsupported
TOR-5247	link	Data Grids: ORA-01400 is raised when trying to set a value for a CLOB column having NOT NULL constraint in a newly inserted row
TOR-5248	link	Team Coding: VCS logon does not occur when attempting to compile a controlled object
TOR-5250		Describe Objects: Access Violation occurs when loading a saved list of objects where one or more objects in the list has been dropped
TOR-5252	link	Schema Browser: Access Violation occurs when closing the window while it is refreshing
TOR-5259		Import Table Data: Import does not complete after reconnect in some cases
TOR-5261		Connections: Error upon making a new connection if the connections datafile is locked by another process
TOR-5263		Alter Materialized View: Access Violation occurs when changing the partitioning strategy

Issue ID	Link to Forum Post	Resolved Issue
TOR-5265	link	Reports Manager: Changes made to the Master Dataset are lost when activating the Comments tab
TOR-5271	link	Toolbars: Menu animation reverts to Fade upon Toad startup when the Windows "Fade or slide menus into view" option is set
TOR-5276	link	Import Table Data: When the Output option is "Create file with SQL statements" the files are always UTF-8 encoded without the ability to set it to a different encoding
TOR-5279		Team Coding: "Cannot focus a disabled or invisible window" error occurs when editing the TFS server name in some cases
TOR-5280		Schema Browser: Access Violation occurs when quickly navigating PL/SQL object dependencies on the right side "Deps (uses)" tab
TOR-5281		Data Grids: Unhandled error when exporting to Excel when the Excel file is already open and locked by another application
TOR-5282	link	Explain Plan: Some valid statement type cannot be explained, e.g. CREATE TABLE, CREATE INDEX, etc.
TOR-5289		Make/Strip Code: Access Violation occurs when deleting all Make/Strip Code templates
TOR-5291		Schema Browser: Changes made to object type visibility in the Configure Browser Tabs dialog are not saved in some cases
TOR-5292		Compare Data: Access Violation occurs when comparing tables across different sessions if one of the sessions is terminated
TOR-5300	link	Editor: Ctrl+Click on a reference to a package that has no body will open the package in the Describe window instead of opening the spec within the Editor if the "Jump to package and type body" option is set
TOR-5311	link	Schema Browser: Rebuild Table excludes triggers from the generated script
TOR-5314		Space Manager: The Setup process incorrectly checks for required privileges
TOR-5315		Trace File Browser: Access Violation occurs when loading a trace file containing Remote Procedure Calls in some cases
TOR-5317		Formatter: The option to ensure a trailing newline is non-functional
TOR-5318	link	Team Coding: The values of Status By and Status Type are switched for Team Projects in some cases
TOR-5358		Connections: Access Violation occurs if a reconnect fails in some cases
TOR-5359		Data Grids: Pasting string data into a cell does not work in some cases
TOR-5366		Execute Procedure dialog: "Cannot focus disabled or invisible window" error after hitting ESC key in the arguments grid

Issue ID	Link to Forum Post	Resolved Issue
TOR-5369	link	Data Grids: Popup Editor for string data incorrectly applies newline format based on the default value set in Options for working with files instead of obeying the newlines as set in the data or the default newline option for working with data

You can find the most up-to-date list of resolved issues for this release in the *Toad for Oracle Release Notes* found at: https://support.quest.com/toad-for-oracle/technical-documents.

Known issues

The following is a list of issues, including those attributed to third-party products, known to exist in this release line at the time of the current release.

General known issues

Known Issue	Issue ID
Toad's help cannot be opened from an installation path that contains Unicode characters.	72966
If you check "Indexes" on the Scripts tab for snapshots, then the primary key for the snapshot will be included in the script, even though the CREATE MATERIALIZED VIEW statement implicitly creates this primary key. Toad currently does not differentiate between indexes created explicitly on the snapshot and indexes created automatically when the snapshot is created. *Workaround:* If you are running the generated script to recreate the snapshot, then you can simply ignore the error that occurs when the script tries to recreate the primary key index for the snapshot. If you do not normally create indexes on snapshots, then you can uncheck "Indexes" when generating the snapshot script.	N/A
If you use 11g Oracle ODP.NET client or any other client that does not have the oci.dll in the BIN directory, Toad has the following problems: 1. Client shows as invalid 2. Client version is not detected 3. As a result of #2, columns of the following datatypes are not shown in the Schema Browser table data: CLOB, BLOB, NCLOB, XMLTYPE, TIMESTAMP, INTERVAL, BINARY_DOUBLE, and BINARY_FLOAT	N/A
Debugger If there is an exception during debugging on a 10Gr2 or greater database, REFCURSOR output and DBMS output will not be available when debugging is completed. This is due to the target session not being available. *Workaround*: To see REFCURSOR output and DBMS output, execute the procedure without the debugger.	N/A
Connections While Toad supports LDAP connectivity, some features of Toad depend on tnsnames.ora file to operate correctly, such as Toad Script Runner (TSR).	N/A

Known Issue	Issue ID
Schema Browser Sometimes after pressing "Compile invalid objects", you may get ORA-20000, ORA-06512, or ORA-06512 errors. This could mean that you do not have the privileges to compile the object, but it also happens when the schema contains a package body that does not have an associated spec. *Workaround:* Look in the schema that you are trying to compile to see whether there are any orphan package bodies. If it is your own schema, then do:select * from user_objects o1 where object_type = "PACKAGE BODY" and not exists (select "x" from user_objects o2 where o2.object_name = o1.object_name and o2.object_type = "PACKAGE") Then drop any orphan package bodies that are found.	N/A
Virtualization An access violation error may display when you close Toad in a Citrix XenApp environment.	76354
Import/Export Constraint scripts from Export DDL do not contain the "using index" or "tablespace" clause.	59228
Data Modeler: • Generation of HTML reports of large diagrams may fail during generation of an image of the ER Diagram. • Comparison of large models may consume too much memory.	N/A

Oracle client known issues

Known Issue	Issue ID
In some cases, connecting to an 11g database using a 19c or 21c client may result in a hang when cancelling a query or when using Code Insight. *Workaround:* Use an 18c or older client when connecting to an affected database.	N/A
All versions of Oracle client 19c leak memory when working with LOB types. This includes simple SELECT statements against a table containing LOB types.	N/A

Proxy server known issues

Known Issue	Issue ID
Toad does not support Proxy Automatic Configuration (PAC) scripts; however, Toad does allow you to specify Quest-specific proxy settings to work around this limitation. By default Toad will use non-PAC proxy settings configured within Windows automatically. **Apply settings system-wide:**	72966

HKEY_LOCAL_MACHINE\Software\Quest Software\Internet Settings:

- ProxyEnable (DWORD): 1 = enable proxy override at this level, 0 = don't enable proxy override at this level
- ProxyServer (string): semicolon-delimited "<protocol>=<server>:<port>" entries
    - For a shared proxy server across multiple protocols:
        - a single "<server>:<port>" entry is all that's needed (ex: "127.0.0.1:8888")
    - For individual proxy servers by protocol, specify multiple entries:
        - ex: "https=127.0.0.1:8888;http=127.0.0.1:8080;ftp=127.0.0.1:6300"

For 32-bit applications on a 64-bit machine:

- Key: HKEY_LOCAL_MACHINE\Software\WOW6432Node\Quest Software\Internet Settings:

Apply settings to your own account:

HKEY_CURRENT_USER\Software\Quest Software\Internet Settings:

- Same keys as above

Notes for use:

1. Override proxy settings will only be included if the corresponding ProxyEnable value is set to "1". Otherwise, it's ignored.
2. HKLM (system-wide) server settings will override Windows settings.
3. HKCU (local) server settings will override HKLM and Windows settings.
4. Users can also edit both the system proxy settings (existing in Toad 14.0) and now their user-specific proxy settings (from HKCU) within Toad's Proxy Settings dialog (View | Options | Online); however, system-wide settings (from HKLM) will not be editable inside of Toad since they're more for administrators in silent installs or system-wide configs.

Data Grids known issues

Known Issue	Issue ID
You may receive an "ORA-00902 invalid datatype" error when editing an object, nested table, or varray data if you have redefined the data type for that data during the current session. *Workaround:* If you redefine an object type, nested table, or varray and then need to edit data in a table based on that type, end your current connection and begin a new one.	N/A
Full table data is not displaying in the live data grid (results from F9) if the data contains "zero" characers (ACII 0). In this case, all data after the zero character will not show in the grid. *Workaround*: Double click on the data cell in the data grid to view full contents of data in a popup editor.	

Code Analysis known issues

Known Issue	Issue ID
Saving results to a database: When dealing with nested procedures, Code Analysis can only insert run data from procs one level deep.	N/A
Saving PL/SQL results to a database may fail or save invalid data to the database for invalid PL/SQL objects. *Workaround:* To ensure PL/SQL results are saved to the database correctly, verify the validity of all objects before running Code Analysis.	N/A

Editor known issues

Known Issue	Issue ID
Toad errors when you query on a field of Oracle collection types. *Workaround:* Execute using SQL*Plus.	64373
When spooling to an unpinned output window, the window becomes unresponsive and errors are given when Toad is closed ("Canvas does not allow drawing"). *Workaround:* Keep the output window pinned.	68523
If you use a non fixed-width font, the results are misaligned in the of Script Output tab in Editor after executing a SQL script. *Workaround:* Go to Options | Scripts and select a fixed-width font for script output.	62234

Session Browser known issues

Known Issue	Issue ID
The Program name in the Session Browser may be blank or may be the full path to the executable instead of just the executable name. This depends on the Oracle client, not on Toad.	N/A
In RAC databases, version 10.1.0.3 (and possibly other 10.1 versions), the query used to populate the "Current Statement" in the Session Browser fails with the following error: Runtime error occurred: 12801 (ORA-12801: error signaled in parallel query server PZ99, instance <instance name> ORA-01008: not all variables bound) This problem does not occur in Non-RAC environments. *Workaround:* Clear the "Use RAC Views" checkbox, and log into the appropriate instance of the database, if necessary.	N/A

Team Coding known issues

Known Issue	Issue ID
Creating a new revision or attempting to force a check-in to Visual Studio Team Services may result in a "404: Not Found" error. The current version of Team Foundation Server used by Visual Studio Team Services compares the source being uploaded with the source already in the repository. If the source has not changed, it may incorrectly return an error rather than allowing the forced revision. This appears to be a Microsoft issue. As a result, these two commands may fail.	N/A
When using the Team Foundation Server internal client and Team Foundation Server 2012 or 2013 alternate Team Project Collections, workspaces created outside of Toad are not visible from within Toad. A workspace may be created from Toad by clicking the 'New' button during the Team Foundation Server log in. This is not an issue when using the Team Foundation Server external client.	**114334**
Team Coding is disabled for mixed-case object names.	N/A
With CVS, Toad may fail to retrieve the list of projects for you to select from in the CVS browser or in the Code Control Groups configuration. *Workaround:* See "Missing CVS\Entries File Error" in the online help.	N/A
Team Coding and Clearcase: Dynamic Views are not supported via SCC interface. Snapshot Views must be used instead. (Rational case ID v0830629, Rational Defect # CMBU00053934)	N/A

Unicode known issues

Known Issue	Issue ID
The following features in Toad do not support Unicode: • ASM Manager • Export File Browser • Hex Editor In addition, Java itself does not allow Unicode class names or file names. This is relevant to the Java Manager, Editor, and Schema Browser.	N/A
Editor options to highlight object names may not work for object names that contain Unicode characters.	N/A
Script Execution in Editor: Error offset can be incorrect when running scripts with multi-byte object names.	N/A
XML (Plain) format creates bad XML if Unicode string values and Unicode column names are exported through Export Dataset.	N/A
Import mapping for Unicode characters is incorrect if the characters are not a fixed width (such as Korean).	63221

Known Issue	Issue ID
In Team Coding, objects with Unicode *contents* are supported, objects with Unicode *names* are not. Supported Version Control Providers do not support Unicode names.	N/A
The OCI option ORA_NCHAR_LITERAL_REPLACE affects the NCHAR String Literal Replacement behavior when connected to non-Unicode databases. The option can be enabled or disabled. See the "Enable ORA_NCHAR_LITERAL_REPLACE" option (View | Options | Oracle | General). The option has adverse behavior regardless of its value. • **Enabled** - ORA-01756 error when executing SQL using the Q-quote operator where the end delimiter appears within the string literal and is followed by a single quote that is also part of the string literal. The single quote does not have to immediately follow the delimiter. • **Disabled** - NCHAR string literal corruption when connected to non-Unicode database.	N/A

High DPI known issues

Known Issue	Issue ID
Toolbars (Affects Windows Server 2019 only) Toolbar button images may disappear when you mouse over them if the "High DPI scaling override" option is set to "System (Enhanced)" in the Windows file properties dialog for Toad.exe	N/A

Third-party known issues

Known Issue	Issue ID
Help (Affects the 64-bit version of Toad only) If IE9 is installed, clicking a link in the Help file may crash Toad 64-bit, even if IE9 is not the default browser. *Workaround*: Users who have IE9 installed can open Help from outside of Toad.	N/A

System requirements

This section contains the hardware, software, and privileges required to run Toad for Oracle, as well as the database and virtual environments that Toad for Oracle supports.

Hardware requirements

Requirement	Details
Processor	1 GHz processor
Memory	• 1 GB RAM - Toad for Oracle 32 bit • 2 GB RAM - Toad for Oracle 64 bit NOTE: The memory required may vary based on the following: • Applications that are running on your system • Size and complexity of the database • Amount of database activity • Number of concurrent users accessing the database
Hard disk space	• 120 MB - Toad for Oracle 32 bit • 150 MB - Toad for Oracle 64 bit
Operating system	• Windows 8.1 • Windows 10 • Windows 11 • Windows Server 2012 R2 - 2 CPU required • Windows Server 2016 • Windows Server 2019

Database requirements

Requirement	Details
Database client	An Oracle client must be installed and configured on the system where you

Requirement	Details
	are running Toad. The following are supported:
	- Oracle Client or Instant Client 10.2.0.5 - Oracle Client or Instant Client 11.2.0.1/11.2.0.3 - Oracle Client or Instant Client 12c Release 1 and 2 - Oracle Client or Instant Client 18c - Oracle Client or Instant Client 19c - Oracle Client or Instant Client 21c
	NOTE: You must use the 32-bit version of Toad with the 32-bit Oracle client, and the 64-bit version of Toad with the 64-bit Oracle client.
Database server	**Oracle versions:** 10g Release 2 11g Release 1 and 2 12c Release 1 and 2 18c 19c 21c (Linux and Oracle Cloud Infrastructure) **IMPORTANT:** It is recommended that your client version be of the same release (or later) as your database server. This is an Oracle recommendation to prevent performance issues.
Cloud database service	Oracle Database as a Service on Amazon EC2 and Oracle Cloud

Network

- Internet Protocol Version 6 (IPv6) is being adopted by the US Federal Government and industries around the world. In its most basic format, the new protocol uses 128-bit addresses instead of 32-bit addresses, which are used by the current IPv4 to route packets over the Internet. Toad for Oracle features, such as FTP, access the Internet through third-party vendors that are IPv6 compliant, such as /nSoftware's IP*Works. For access to Web sites by way of the Toad Online window, Toad simply invokes the user-defined or default Web browser.

- Toad for Oracle Subscription editions require the user to sign in when using the product. This enables the product to verify the user's identity and to check that they are entitled to use the subscription. To complete this entitlement check internet access is required to connect to Quest Software's Licensing Servers.

- Toad for Oracle Subscription edition is bundled with Quest Auto Update, a service to periodically check for and deliver product updates. Quest Auto Update requires internet access and must be able to reach the cloud service at https://autoupdate.toadworld.com.

Additional requirements

Requirement	Details
Additional Software	• Microsoft Internet Explorer 6.0 or later (to view video from the **Jump** list within Toad, and to view the product documentation in HTML format). • Microsoft Office 2016 and recent earlier releases are supported for Word and Excel output. • Adobe Acrobat Reader 7.0 or later (to view the product documentation in PDF format). • Microsoft .NET Framework 4.0 to support the Toad for Oracle Editions Installer.

Virtualization support

Type	Details
Application virtualization	Citrix® XenApp
Desktop virtualization (VDI)	vWorkspace™ 7.0 has been tested.
Server virtualization	Oracle VM 3.1 has been tested. VMware ESX Server 3.5, 4.0, and 5.5 have been tested.

NOTE: Toad may work in virtualization environments other than the ones listed.

Windows Privileges

In order to install and run Toad, make a connection, and do basic operations, you must have the following privileges.

Operating System	Requirements
Windows 8.1 and 10 Windows Server 2012 R2, 2016, and 2019	• Read access to the Oracle client folder • Read/write privileges on the Oracle Home directories that you use for your connections

NOTE: Toad for Oracle Subscription edition is bundled with Quest Auto Update, a service to periodically check for and deliver product updates. Installation requires administrator privileges on all supported operating systems.

NOTE: Other functionality in Toad may require additional privileges.

Product licensing

Legacy Toad for Oracle with offline license keys

To activate a trial

1. Go to the trial download web page: https://www.quest.com/products/toad-for-oracle/software-downloads.aspx, accessed through the product page.

2. Select the Toad for Oracle Edition that you want to try.

3. Log in to your account or register.

4. Accept the license terms.

5. Download the trial file.

To activate a purchased commercial license

1. Go to the Quest Support website: https://support.quest.com/

2. Type the name of the product that you want to activate in the **Enter your product to find support** field.

3. Select **Download New Releases**.

4. Download the installer file.

NOTES:

- License keys compatible with Toad for Oracle 9.7 and earlier versions are no longer supported.

- Only the newer 48-character license keys are supported.

- If you have an older license type, the Editions installer points you to the license web page where you can update it.

- Toad supports cumulative licensing. You can add multiple licenses, including those for add-ons like Sensitive Data Protection, to Toad. Toad will use the licenses providing the highest degree of features.

Toad for Oracle Subscription with online licensing (including Editions)

Toad for Oracle Subscription requires you to sign in with your Quest.com account. Licenses are tied to your account giving you the flexibility to use Toad from multiple computers without having to move your license.

Sign in with existing Quest.com account

1. Enter your account email address and password when prompted

2. If you already have a Toad for Oracle Subscription license, no further action is needed

3. If you do not have a Toad for Oracle Subscription license, see **Activating a new license** below

Create a new Quest.com account

1. Select **Sign up for a new account**

2. Enter your account details and select **Sign Up**

3. A confirmation email is sent containing a verification code

4. Enter the code from the email and select **Verify**

   NOTES:

   - It may take a few minutes for the verification email to arrive

   - Check your spam/junk folders for the email sent from supportadmin@quest.com if you do not receive it

   - For additional assistance, please contact Quest support

Activating a new license

1. Toad for Oracle Subscription automatically provides a fully functioning, 30-day Trial license

2. To purchase a new license, click **Buy Now** from Toad's title bar

3. After completing your transaction, restart Toad and your license is automatically detected

4. To manage licenses, select **Account Settings** beneath your account shown at the top-right of Toad

   NOTE: You can view your licenses from within Toad by selecting **Help | Licensing**

Getting started with Toad for Oracle

Toad for Oracle is distributed in the Toad for Oracle Editions at https://support.quest.com/download-product-select.

Upgrade and installation instructions

Please refer to the Toad for Oracle *Installation Guide* at https://support.quest.com/technical-documents for installation and upgrade instructions.

Upgrades for Toad for Oracle can install side-by-side with any previous versions you have installed. You can run the new and previous versions concurrently.

The first time you run the new version of Toad, the settings files from the previous version are automatically imported. To start with a clean set of user files, go to **Utilities | Copy User Settings**, then select **Create a clean set of user files from the base installation**.

> **NOTE:** Toad supports importing settings only if the new version is within two releases of the previous version. If your versions are more than two releases apart, you need to install an intermediate version to successfully import the files.

User instructions

To get started with using Toad for Oracle, see the *Guide to Using Toad* at https://support.quest.com/technical-documents. For detailed information about any Toad window or feature, see the online help, which can be accessed from the **Help** menu.

Additional resources

Additional information is available from the Toad for Oracle Community on Toad World:

https://www.toadworld.com/products/toad-for-oracle

Globalization

Global Operation Statement

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 was not enabled and tested for international operation. Only U.S. English configurations of this product and U.S. English datasets are fully supported. Support for non-ASCII characters or non-English configurations may work appropriately, but these configurations have not been tested and this release should be used with caution in these environments.

This release has the following known capabilities or limitations: Toad 13.1 is a Unicode application. As such, it has support for any Oracle Unicode character set, such as UTF8 or AL32UTF8. There are some features in Toad which use or invoke Oracle Utilities or applications which are not themselves Unicode applications. Their functionality is therefore limited to the character set of the client on which Toad is running, and NLS_LANG must be carefully set to match the Windows character set

We have also observed issues with US7ASCII when used with non Latin 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.

Contacting Quest

For sales or other inquiries, visit www.quest.com/contact.

Technical support resources

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