Toad® for Oracle 14.2

Release Notes

Revised 6/16/2021

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 14.2 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 14.2
- 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 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.

Toad for Oracle 14.1

Subscription Licensing

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

Toad for Oracle Subscription was introduced in version 14.0, but limited to Base product functionality. We are pleased to announce that the following editions are now supported:

- Toad for Oracle Professional
- Toad for Oracle Professional + DB Admin module

Stability and Security Improvements

Much empasis was placed on improving application stability and security. Well over 100 defects identified by customers, internal testing, and by data collected from the Toad Improvement Program were resolved.

The Toad Improvement Program collects anonymous usage data to help the Toad for Oracle team identify usage patterns and prioritize new development including, but not limited to, organizing the UI to make the features you rely on more accessible. The Toad Improvement Program also collects data on unhandled exceptions so that we can identify and resolve defects. We'd like to thank all who participate in Toad's ongoing success by enabling Toad Improvement Program data collection. To enable Toad Improvement Program data collection, select "Yes" to the participation opt-in in Options (**View | Options | Online**).

Import Table Data

Import can now resume after connection loss.

Explain Plan

Treeview mode now supports Adaptive Plans.

Automation Designer

New action added for single column export.

Workspaces

Improvements to loading saved workspaces:

- All connections are restored upfront so that any user interaction, i.e. entering passwords, is handled efficiently.

- If one or more connections fails to restore the workspace will continue restoring other connections and their windows.

Certified Version Engine

As part of ongoing efforts to ensure the continued performance and security of our products, we are certifying our product releases up to specific Oracle database and Windows releases. When there is a new Toad for Oracle release available, we will notify our users to upgrade to the latest release.

Toad for Oracle 14.0

Subscription Licensing

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

Toad for Oracle Subscription maps licenses to your Quest.com account which are managed via a new, self-service licensing portal. Sign in with your Quest.com account to begin using Toad immediately. New users are automatically issued a 30-day trial during which you are free to explore all of Toad's features. Learn more.

Note: Running multiple copies of Toad is supported, but only the first copy will make presistent changes to configuration files. Additional running instances operate in a "virtual" mode where configuration settings are loaded from your last used options, but changes made do not persist when Toad is closed. This is equivalent to the /VIRTUAL command line switch.

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Toolbars and Menus

Database | Create menu

Using data collected from the Toad Improvement Program, the **Database | Create** menu has been reorganized to group related items and make the commonly used items readibly accessible.

Installer

Quest Auto Update

Note: This pertains to Toad for Oracle Subscription, only.

Toad for Oracle Subscription edition is bundled with Quest Auto Update , a service to periodically check for and deliver product updates. Upon successful installation, Quest Auto Update is configured to run automatically using the LocalService account. Product updates are automatically downloaded and a notification window displays alerting you to the pending updates. You can install or dismiss updates from the notification window.

Note: Quest Auto Update does not provide updates for all products produced by Quest.

Additional Object Type Support

Support for Analytic Views, Attribute Dimensions, In-Memory Join Groups, and Hierarchies has been added to the following areas...

- Schema Browser
- Export DDL
- Compare Schemas
- Single Object Compare
- Object Search
- Create/Alter windows

Editor

SQL Error Dialog

An option has been added to suppress the error dialog shown when running SQL or compiling PL/SQL raises an ORA exception. Errors are still displayed in the Editor's error panel. See the "Display SQL errors in popup dialog" option (**View | Options | Editor | Behavior**).

Schema Browser

Treeview Display Mode

An option has been added to automatically expand the node for the logon schema when the Schema Browser is opened.

Column Comments

An option has been added allowing for column comments to display as mouse-over tooltips on the Data Grid tab.

Team Coding

General

Azure DevOps Server 2019 is supported.

VCS Login

The VCS login dialog now selects the repository used for the database, by default.

Team Coding Manager

Optimizations resulting in improved load times, especially on large database.

Sensitive Data Protection

Additional rules are included to detect German, French, and Italian sensitive data patterns.

Database Monitor

Anomalies in data used to populate charts can cause auto-scaling such that the remainder of the data is indecipherable. To combat this, a new option has been added allowing for user-defined min/max chart values and how to handle data outside of this range. Data falling outside of the display range can be skipped, replaced with the previous data point's value, or the max/min display value can be used. See the **Alerts and Display** tab in the Database Monitor Options window.

Single Object Compare

Improved performance in displaying this window.

Database Browser

Pluggable Databases on Oracle RAC

When connected to a container database (CDB) on Oracle RAC you can now specify the pluggable database (PDB) instances to open or close.

Generate Schema Script

Constraints

Constraints are now listed individually in the run report and a new option has been added allowing for constraints to be exported to their own .sql file.

Session Browser

Container Databases

Ability to group and filter by "Container ID" has been added for easily identifying which pluggable database each session pertains to.

Export DDL

Users

Added support for extracting encrypted passwords for the "identified by values" clause using DBMS_ METADATA. DBMS_METADATA is accessible to all users having the SELECT ANY ROLE system privilege.

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 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
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

Issue ID	Link to Forum Post	Resolved Issue
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 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

Issue ID	Link to Forum Post	Resolved Issue
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
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

Issue ID	Link to Forum Post	Resolved Issue
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
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

Issue ID	Link to Forum Post	Resolved Issue
		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
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

Toad for Oracle 14.1

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
TMB-2737		Code Insight: Toad hangs in some cases
TOR-1205		Formatter: "List Arrangements" option of Wrapped is non-functional
TOR-1644		Automation Designer: Can't add action to app if the app node has lost focus in the left side treeview
TOR-1820	link	Toolbars: Connection bar does not update to identify the active session in some cases
TOR-1938		Object Search: Table partitions and subpartitions are not found
TOR-2199		Code Analysis: Slow to analyze some code when rule 2128 is included
TOR-2346		Code Insight: List is blank when typing the first character of a valid column name
TOR-2669		Application: Ctrl+Tab and Ctrl+Shift+Tab does not activate some windows when Toad is in SDI window mode
TOR-2770		Workspaces: Connection and window order is not retained when saving workspaces
TOR-3071		Editor: Execute as Script throws an Access Violation when the connection has closed due to timeout
TOR-3314		SQLNET Editor: ESC key does not close the window
TOR-3390		Workspaces: Cannot close Toad after loading a saved workspace that opens a Describe Objects window
TOR-3598	link	Data Grids: Various dataset navigation issues with the nested table popup editor
TOR-4593		Team Coding: Team Coding Manager dock panel is blank if in an unpinned/hidden state when connecting to database
TOR-4651		Editor: Execute as Script grids do not use sequential numbering in the tab captions when SELECT statements producing no rows are in the script
TOR-4653	link	Editor: Connection shown in the title bar and status bar can get out of sync in some cases when changing the session associated with the window
TOR-4654		Editor: Executing SELECT against a table with a user-defined type column crashes if the type contains an integer value greater than 2147483647

Issue ID	Link to Forum Post	Resolved Issue
TOR-4655	link	Editor: Execute as Script does not cancel promptly when the script executes long running PL/SQL
TOR-4656		Data Grids: Access Violation occurs when editing a field via the popup editor if the connection has terminated
TOR-4657		Data Grids: Access Violation occurs when posting edits directly in the grid if the connection has terminated
TOR-4658		Editor: Executing SELECT against a table with a user-defined type column throws an error if the type contains a SMALLINT datatype
TOR-4659		Data Grids: Access Violation occurs when the next block of results is fetched if the connection has terminated
TOR-4660		Schema Browser: Access Violation or Invalid Pointer Operation occurs when viewing the data in a Queue Table
TOR-4662	link	Team Coding: Materialized Views don't get versioned in the VCS when recreated
TOR-4675		Editor: Editing large text is slow if Sensitive Data Awareness is enabled
TOR-4677		Compare Schemas: Access Violation occurs when closing the compare text dialog while it is still loading
TOR-4678		Toolbars: Connection bar images do not update to indicate lost connection
TOR-4679	link	Rebuild Table: VALIDATE/NOVALIDATE constraint states are excluded when the table has a Foreign Key constraint
TOR-4680		Login: Custom fields are removed from the recently used connections grid when the connections are grouped by custom field(s) and the view style is changed
TOR-4690		Quest Script Runner: Favorite Folders aren't being retained after restart
TOR-4692		Code Analysis: Results exported to comma delimited text do not use the same precision for Halstead Volume and Maintainability Index as shown within Toad
TOR-4693		Team Coding: Error converting VCS timestamps on machines with custom time formats when viewing the debug log
TOR-4694		Database Browser: Access Violation occurs when selecting the node for a database having no connection
TOR-4702	link	Explain Plan: Viewer (tree style) does not support Adaptive Plans
TOR-4705	link	Compare Schemas: Byte/Char differences are not identified/synced when the "Include Byte/Char when creating DDL scripts" option is unchecked on the Datatypes page in View|Options

Issue ID	Link to Forum Post	Resolved Issue
TOR-4709		Roles/Editions: On Fail behavior (View | Options | Oracle | Roles and Editions) does not work when the schema lacks privileges on the Role or Edition
TOR-4710	link	HTML Database Doc Generator: Objects privileges granted to Roles are not shown
TOR-4713		Schema Browser: Comparing CDB Resource Plans does not check "CDB Resource Plans" in the Compare Databases window
TOR-4714	link	Application: Various modal windows are pushed to the background when they should remain as the top-most window
TOR-4715		Import Table Data: Error occurs when importing from MS Access file having erroneous data
TOR-4717	link	Data Grids: Popup editor closes immediately upon opening when invoked from the last row in the dataset
TOR-4718		Data Grids: Duplicate Row does not work if the table has an IDENTITY column
TOR-4722		Editor: Team Coding prompt to check-in occurs twice when closing the tab in some cases
TOR-4730		Editor: Overwriting selected text causes Toad to hang
TOR-4731	link	Compare Objects: Object privileges granted to Roles are excluded
TOR-4733		Alter Table: Locations and Default Directory are not editable when altering an External Table
TOR-4734	link	Schema Browser: Can't rename Datafile in non-Enterprise editions of Oracle
TOR-4739		Connections: Oracle 10g RAC connections are not detected
TOR-4740		Tablespaces: Access Violation occurs when clicking in the Tablespaces window quickly as it is opening
TOR-4741		Automation Designer: Access Violation occurs when running actions against multiple connections if the option to highlight table names is checked (View | Options | Editor | Display)
TOR-4742		Copy Table Data: Access Violation occurs in some cases
TOR-4743	link	Editor: Saving a file that was split (View | Options | Editor | Open/Save) saves the file using ANSI encoding
TOR-4745		ADDM Report: "" is not a valid floating point value" error occurs
TOR-4746	link	Alter Tablespace: Floating point values are not accepted when altering the size of a datafile

Issue ID	Link to Forum Post	Resolved Issue
TOR-4747		Login: Access Violation occurs when testing a saved connection if no Oracle clients are configured
TOR-4748		Data Grids: Error occurs when pasting into a read-only grid in some cases
TOR-4749	link	Data Grids: Export Dataset	"Create insert statements for selected rows" is slow to load
TOR-4750		Connections: Various errors within Toad for schemas that are limited by a Profile having sessions_per_user set to 1
TOR-4751		Quest Script Runner: Unable to login with a schema configured for External Authentication
TOR-4752		Sensitive Data Protection Search: Previously used settings aren't being remembered
TOR-4754	link	Application: Some message dialogs are shown on the wrong monitor
TOR-4759		Schema Browser: Compiling invalid objects does not refresh the window to show the new state
TOR-4760		Editor: Prompt to reconnect a connection that has terminated does not occur when compiling PL/SQL
TOR-4762		Data Grids: Single Column Export is disabled in some cases when it should not be
TOR-4763		Editor: Backup file recovery does not work for tabs that were loaded from a previous backup recovery
TOR-4770	link	Connections: Ending a connection that has been terminated results in a prompt to reconnect in some cases when the "Execute queries in threads" option is checked (View | Options | Oracle | Transactions)
TOR-4772	link	Data Grids: Changes made to a newly inserted row are cancelled when entering invalid data into a TIMESTAMP field
TOR-4774		Export Dataset: NULL values are excluded in some cases when the "Display large numbers in Scientific Notation" option is unchecked (View | Options | Data Grids | Data)
TOR-4777		PL/SQL Templates: Access Violation occurs when creating a new object from template if the path to the template is invalid (View | Options | PL/SQL Templates)
TOR-4779		Rebuild Multiple Objects: Access Violation occurs when closing the window while it is loading Lob Segments
TOR-4780		Query Builder: Wrong error dialog is used when assigning null to a field having NOT NULL constraint in the data grid
TOR-4781		Advanced SQL Optimization: "'value' is not a valid floating point value" error

Issue ID	Link to Forum Post	Resolved Issue
		when sending View to Quest SQL Optimizer if Toad and Windows have differing decimal and thousand separator values
TOR-4782		Application: When setting a temporary folder to a path that is inaccessible to the current Windows account the following errors occur: Access Denied exceptions and Toad will not start after being closed (View | Options | General)
TOR-4783		Login: Wrong error dialog is used when trying to save changes made in either the TNSNames Editor, SQLNET Editor, or LDAP Editor if the current Windows account does not have write access to the respective Net Configuration File for those windows
TOR-4786		Login: Exporting saved connections excludes all passwords if the global "Save passwords" option is unchecked on the login window
TOR-4787	link	Schema Browser: Adding a constraint to an existing View uses ALTER TABLE instead of ALTER VIEW in the generated SQL
TOR-4790		Login: Importing connections into a new install of Toad does not allow for including passwords associated with the connections
TOR-4791		Application: Proxy Automatic Configuration (PAC) scripts are not handled (see Known Issues)
TOR-4793		Automation Designer: Access Violation occurs when executing an Import Table Data action after opening its properties dialog and closing the dialog
TOR-4796		Alter Tablespace: Backspace key does not work when editing the size of a datafile
TOR-4798	link	Schema Brower: Materialized View script options dialog does not retain the "Add to refresh group after create, subtract before delete" option
TOR-4801		Object Palette: GUI control alignment is broken in some cases
TOR-4815		Session Browser: Not tolerant of missing fields in V$SESSION after an unfinished Oracle database upgrade
TOR-4818		Data Grids: Popup editor for BFILE data will work once and subsequent attempts to show the dialog do not work
TOR-4819	link	Connections: Closing Toad with connections that have been terminated results in a prompt to reconnect in some cases when the "Execute queries in threads" option is checked (View | Options | Oracle | Transactions)
TOR-4821		Editor: NCHAR string literal corruption when executing SQL against non-Unicode databases (see Known Issues)
TOR-4825	link	Data Grids: Cannot edit data for tables having a period in the schema name, e.g. "QUOTED.USER"
TOR-4826	link	Data Grids: Erroneous data appended after string literals in some cases

Issue ID	Link to Forum Post	Resolved Issue
TOR-4833	link	Describe Objects: Current connection's schema name is prepended to the object name when describing objects through a database link
TOR-4837	link	Editor: Duplicate prompts to reload files that have been deleted externally when the "Prompt for reload on activation..." option is checked (View | Options | Editor | Open/Save)
TOR-4840		Schema Browser: The selected table loses focus after a "Refresh all" when the Browser Style is set to Treeview
TOR-4841		Export Dataset: Exporting a new sheet to an existing Excel File which contains a pivot table causes file corruption
TOR-4843		Editor: Opening the data grid popup editor repeatedly for grids in multiple Editor tabs can lead to Toad hanging in some cases
TOR-4847		Connections: Slow connect times on some databases due to checking for Team Coding's installation state
TOR-4848	link	Editor/Quest Script Runner: Execute as Script does not support bind variables that are declared and set using a single statement, e.g. var bind_var VARCHAR(10) = 'foo';
TOR-4895		Data Grids: Access Violation occurs when using Ctrl+Insert to copy records if there is no active connection
TOR-4896		Project Manager: Access Violation occurs when Ctrl+RightClick if there are no focused nodes
TOR-4897		Master-Detail Browser: List Index Out of Bounds occurs when cancelling the Select Detail Table dialog in some cases
TOR-4898		Application: Unexpected error dialogs are shown in various places when invalid or inaccessible directories are set as output destinations
TOR-4901		Schema Browser: Argument out of range error occurs upon Ctrl+C or typing in the Tables | Referential tab when no node is selected Trace File Browser: Argument out of range error occurs upon Ctrl+C when no node is selected
TOR-4904		Schema Browser: Access Violation occurs upon Ctrl+Click on an object name in the Script tab when Favorites is active on the left hand side
TOR-4905		Schema Browser: List Index Out of Bounds occurs when refreshing the left side if a package having a body and no spec is selected and the Browser Style is set to Treeview
TOR-4906		Import Table Data: List Index Out of Bounds occurs when the import source is "MS Windows clipboard" with some clipboard content
TOR-4908		Explain Plan: Errors occur if any of the configuration files are corrupt

Issue ID	Link to Forum Post	Resolved Issue
TOR-4909		Team Coding: Cannot focus disabled or invisible window error occurs when editing SVN WebDAV configuration
TOR-4917		Data Grids: Wrong error dialog is used when filtering on a date column and entering an invalid date value
TOR-4923		Schema Browser: Error occurs when recovering a Tablespace
TOR-4924		SQLNET Editor: Error occurs upon opening if sqlnet.ora has comments following some parameters and on the same line
TOR-4926	link	Session Browser: INST_ID invalid identifier error occurs when viewing the Current Statement	Explain Plan if connected to RAC and the "Use RAC views" checkbox is checked
TOR-4927		Editor: Access Violation occurs when shutting down Toad after using Add Breakpoint on the Breakpoints tab if the caret is on an empty line and the Script Debugger is the set as the active debugger
TOR-4929	link	Team Coding: Closing an inactive Editor tab results in a prompt to check-in the current object of the active tab
TOR-4930		Copy Table Data: Access Violation occurs when shutting down Toad in some cases following multiple Copy Table Data operations
TOR-4931		Alter Table: Access Violation occurs when clicking Cancel immediately after clicking OK
TOR-4938		AWR Browser: Access Violation occurs and incorrect legend items are shown then the "Overall Phys Reads and Writes" chart is active
TOR-4939	link	Schema Browser: LOGGING_FAILED_RUNS is not supported when viewing scripts for a Scheduler Job Classes Create/Alter Job Class: LOGGING_FAILED_RUNS is not supported
TOR-4942		Database Browser: Various issues with drag/drop behavior
TOR-4945		Analyze Objects: Access Violation occurs when closing the window before it has finished loading objects
TOR-4946		Schema Browser: Access Violation occurs when closing the window quickly after a refresh if the objects have not finished loading
TOR-4947		Schema Browser: Access Violation occurs when selecting a table that has UNDEFINED datatype if the Data tab is active
TOR-4948	link	Editor: Toad hangs when using the mousewheel to scroll if a text selection occurs within a collapsed folding region
TOR-4952		Schema Browser: Access Violation occurs when using the right or left arrow key when the left side packages tree has focus, but there is no selected

Issue ID	Link to Forum Post	Resolved Issue
		node
TOR-4953		Schema Browser: DataController not in GridMode error occurs when using Export Dataset | "Create insert statements for selected rows" and the Memory Sorting grid option is checked
TOR-4954		Connections: Access Violation occurs when clicking the End Connection button if more than one connection exists and a filter in the Select Session grid excludes the active connection
TOR-4955	link	Generate Schema Script: Triggers are not included in the script when Extract | Object Types specifies Triggers and Views and Filters | By Name specifies specific triggers and views
TOR-4956	link	Schema Browser: "Team Coding Status" and "Collection Name" columns are not shown when viewing the all tables detail grid and connected to a Team Coding enabled database

Schema Browser: The "View" column header caption changes to "Table" after refresh when viewing all views detail grid and connected to a Team Coding enabled database |
| TOR-4958 | | Schema Browser: Viewing all sequences detail grid incorrectly lists "Cache Size" value in the "Increment By" column |
| TOR-4959 | link | Document Recovery: Poor performance when selecting a large backup in the Recover Documents window |
| TOR-4960 | link | HTML Schema Doc Generator: "Create Table List File" excludes newlines when a View has a name exceeding 30 characters

HTML Schema Doc Generator: Views having names exceeding 30 characters are not included in the report

HTML Schema Doc Generator: Report shows "is referenced by" instead of "references" |
TOR-4962	link	Editor: Unable to end connection or close Editor when debugging and the debug session has terminated
TOR-4978		Schema Browser: Unable to retrieve details for packages having an OBJECT_ID greater than 2147483648
TOR-4979		Code Analysis: "Test selected rule" does not flag all occurrences in the Code Analysis Rules window (View | Options | Code Analysis | General | Edit Rules)
TOR-4981	link	Toolbars/Menus: Ctrl+P continues to print even when the shortcut has been cleared (View | Options | Toolbars/Menus | Shortcuts)
TOR-4984		Schema Browser: Access Violation occurs when dropping a package if a

Issue ID	Link to Forum Post	Resolved Issue
		node beneath "Local Subprograms" is selected
TOR-4987		TNS Error Assistant: Connection failures due to Oracle client incompatibility are not caught, e.g. Oracle client 19.10 does not work on Windows 7
TOR-4997		Describe Objects: Blank window remains open when describing a table the connected schema has no privileges on

Toad for Oracle 14.0

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
TMB-1562		Export Dataset to Excel file results in spreadsheet corruption with certain data.
TMB-2229		Viewing a package in the Schema Browser hangs Toad if the code contains mixed usage of space and tab characters for indentation.
TMB-2284		Exporting table DDL will raise an ORA-00904 exception if the "Audit statements" option is included and the database's COMPATIBLE initialization parameter is set to a version less than the database version.
TMB-2355	link	Database Monitor graphs display large negative spikes when values in V$SYSSTAT reach their maximum and roll back to 0.
TMB-2511	link	Code Insight can be positioned or scaled incorrectly in a multiple monitor setup where the monitors have differing pixels per inch.
TMB-2545	link	The Set Variable action in the Automation Designer does not allow for assignment to the value of another variable.
TMB-2584	link	Editor, Auto Replace does not make replacement upon Tab key press when the tab mode is set to spaces.
TMB-2587		Analyze Objects, Global Preferences do not update when the connection is changed.
TMB-2594		Closing a session does not remove the associated Connection Bar button in some cases.
TMB-2600		Code Analysis, SQL Scan does not display results.
TMB-2621	link	Creating a MATERIALIZED VIEW from the Schema Browser does not add the view to Team Coding for controlled schemas.
TMB-2654		Importing a Code Analysis rule set containing custom rules omits the custom rules if they are new to that installation of Toad.
TMB-2658	link	Reordering Connection Bar buttons does not always save the layout.
TMB-2662	link	The Unit Test Manager throws an Access Violation exception when a

Issue ID	Link to Forum Post	Resolved Issue
		package decorated with utPLSQL annotations is compiled in the Editor.
TMB-2687		Search as you type is non-functional in the Object Palette's schema chooser.
TMB-2696	link	Database Health Check does not run against all connections when multiple connections are configured and the health check is executed from command line or from the Automation Designer.
TMB-2697		Team Coding allows multiple people to check out the same object in a specific circumstance.
TMB-2718	link	Database Health Check raises exception when the "list segments with < n%..." check is included and its rules are satisfied.
TMB-2726		Export Dataset does not include "null" text for null fields when the "Include null text" option is used with the Fixed Field Spacing output format.
TMB-2728		An exception is raised when creating the Space History tables in the TOAD schema from the Administer Tablespaces window on Oracle Database 19c.
TMB-2731	link	The list of objects goes blank when viewing Favorites in the Schema Browser after popping the window out.
TMB-2748	link	The Backspace key does not delete TIMESTAMP data from the data grid.
TMB-2762	link	Rebuild Multiple Objects does not restore the NOCACHE cache mode.
TMB-2776		Executing SQL from the Editor with the Auto Trace option enabled may show 0's for all statistics when logged in as SYS.
TMB-2801	link	Script execution using the "SHOW ERRORS" command does not show errors for PL/SQL that is fully qualified to include the schema.
TMB-2822		Failure to execute a SELECT statement joining two or more tables having ambiguous columns when an XMLTYPE column is also included in the result set.
TMB-2829	link	Schema Browser, Clone/Copy schema does not automatically enclose password in double quotes when required.
TMB-2841		When viewing Tablespaces in the Schema Browser treeview display mode, refreshing the detail view (right side of browser) first loads summary data for all tablespaces before returning to the detail panel you had activated.
TMB-2842		When using the "Top to Bottom" layout in the Session Browser the height distribution between the top and bottom areas of the window is not remembered.
TMB-2844		Changing the active session does not always return to the last activated window for that session.
TMB-2908		Import Table Data may cause Toad to stop responding when importing from Access file (.mdb) when LOB columns are involved.
TMB-2935	link	Refreshing the Schema Browser will refresh the window twice when more than one Schema Browser window is open.
TMB-2989		When exporting Table DDL with the "All LOB Parameters" option enabled, the RETENTION parameter is omitted from the DDL if it is set to the default value.

Issue ID	Link to Forum Post	Resolved Issue
TMB-2996	link	Automation Designer, Actionable Query action, converts PL/SQL to uppercase.
TMB-2997		Generate Schema Script places INDEX DDL before corresponding TABLE DDL when the "File will be used for HTML schema doc generation" option is enabled (Output | Snapshot Files).
TMB-3012	link	Alter Credential does not allow for the scheduler credential password to be changed.
TMB-3013	link	Export DDL generates an incorrect script for users having IDENTIFIED BY VALUES clause with a password containing a space.
TMB-3015		The Data Grid Popup Editor throws an Access Violation exception when it's open and data is deleted from the grid.
TMB-3020		In the Editor, executing an anonymous block utilizing DBMS_SQL.RETURN_RESULT() does not return a result. "Execute/compile statement at caret (F9)" and "Execute as script (F5)" are both affected.
TMB-3067		When viewing a tablespace in the Schema Browser the status is not reported properly in some cases. Also, setting an offline tablespace to online in the Alter Tablespace window does not set the tablespace to online.
TMB-3088	link	Maximizing Toad from a minimized state does not restore the active window in some cases.
TMB-3089	link	Team Coding does not reflect an object's locked status when it has been locked by an external application.
TMB-3091		Team Coding does not obey the Editor's "Substitution Variable Prompting" option when differences are found between the VCS and database versions of the source code.
TMB-3105		Compare Data throws ORA-01446 when comparing complex views.
TMB-3107	link	Session Browser shows duplicate parallel slaves in some cases.
TMB-3132		Auto Optimize SQL window throws an ORA-01005 exception when connected as a globally authenticated user.
TMB-3143	link	Export Dataset quotes null values when the "Double quote strings" and "Single quote numbers" options are used with the Delimited Text output format.
TMB-3144	link	Toad does not remember the window usage order, i.e. closing a window does not activate the next, most recently used window.
TMB-3194	link	Poor performance opening large XML files in the Editor.
TMB-3195	link	Highlighting of matching braces in the Editor can perform poorly in some cases, especially with large XML that is compacted so that it exists on a single line.
TMB-3213		Toad will throw an exception or crash when trying to select a workspace from the workspace chooser when two or more have the same name.
TMB-3214	link	Data Grid Popup Editor does not restore when it is minimized and a grid cell is double-clicked.

Issue ID	Link to Forum Post	Resolved Issue
TMB-3235	link	Export Dataset using the Excel File output format does not respect variables in the "Sheet name," e.g. %ActiveEditorTabCaption%.
TMB-3247		Compare Data performs poorly when comparing LOBs across multiple sessions.
TMB-3266		After loading a saved workspace, the Editor prompts to reload files unnecessarily when the "Prompt for reload on activation if timestamp has changed" option is enabled.
TMB-3286	link	Rebuild Multiple Objects window generates invalid SQL when rebuilding LOB Segments for columns of type SDO_GEOMETRY.
TMB-3288	link	Generate Data chooses the incorrect column when referencing foreign columns for values in some cases.
TMB-3289	link	In Analyze Objects, the final page showing all objects to be analyzed does not adjust the column widths optimally.
TMB-3301	link	Compare Data uses the wrong session for one of its queries when comparing data between two different sessions.
TMB-3308	link	Team Coding Team Projects does not allow for escaping wildcard characters (_, %, ?, *) when specifying include/exclude object type filters.
TMB-3310	link	Session Browser throws List Index Out of Bounds exception when activating the Explain Plan tab when the "Fetch details" checkbox is in the unchecked state.
TMB-3315		Switching the active workspace causes the Editor to throw an Access Violation exception in some cases.
TMB-3364	link	Team Coding adds collation options to all string column and table DDL.
TMB-3375		Connections to Team Coding controlled databases are slow with a large number of controlled objects.
TMB-3377		The "SQL area" data series shown in the Database Monitor, Miss Ratios graph is ambiguous.
TMB-3379	link	Workspaces do not support Describe windows.
TMB-3381	link	Drag/drop tabs in the Editor to reorder them causes the Navigator panel to go blank.
TMB-3384	link	In the Data Grid, double clicking a cell containing nested table data shows the nested data on the first invocation of the dialog, but not on subsequent invocations.
TMB-3393	link	Test Connection (Reconnect) does not allow for entering an updated password when it has been changed externally, setting a new password when it has expired, or unlocking an account that has been locked externally.
TMB-3402		Alter Job produces invalid SQL when changing the "Subsequent Executions" value in some cases.
TMB-3430	link	Generate Schema Script lacks option to create filenames in lowercase.
TMB-3435	link	There is no way to see a view's invisible columns when browsing the columns or the data of a view from the Schema Browser.

Issue ID	Link to Forum Post	Resolved Issue
TMB-3447	link	Data Grids resulting from "Execute Script (F5)" in the Editor are obscured by a large tooltip/hint showing the SQL that produced the data.
TMB-3448		Code Analysis produces incorrect CRUD matrix for MERGE statements.
TMB-3450		Toad cannot be shared as an application/window during a Microsoft Teams call.
TMB-3464	link	Session Browser shows duplicate parallel slaves in some cases.
TMB-3468	link	DB Health Check produces script containing duplicate indexes having the same name when the "List foreign keys with no matching index on child table" check is enabled in some cases.
TMB-3471	link	DB Health Check produces blank output when using the check(s) involving the FILESYSTEMIO_OPTIONS parameter in some cases.
TMB-3472	link	HTML Database Doc Generator is missing some fields from the V$DATABASE table in the report output.
TMB-3477		Support Bundle lists a defunct module, QP5CA.dll.
TMB-3493		Shortcut keystrokes are not handled properly when Citrix Workspace App is installed with the "App Protection" option enabled during its installation.
TMB-3537		Toad 64-bit on Windows 10 and Windows Server 2016 cannot make database connections when Dynatrace application monitoring software is installed.
TMB-3545	link	Export Dataset does not detect schema or table name properly when the "Cast XMLTYPE to CLOB" option is set to XMLSerialize on the "Data Grids | Data" page in Options.
TMB-3549	link	Generate Schema Script includes compression options for tables in the output script when the "Compression" option is set to "Never" (Options | Storage | Compression) and when any tablespaces are included (Extract | Object Types).
TMB-3557	link	Redo Log Manager gives incorrect group membership recommendation when the members reside on high redundancy disk groups.
TMB-3559	link	Describe window can throw an Access Violation exception in some race conditions.
TMB-3560	link	In the Data Grid, double clicking a cell containing cursor data shows the data on the first invocation of the dialog, but not on subsequent invocations.
TMB-3576	link	Export Dataset erroneously includes identity columns when the Insert Statements output format is used.
TMB-3594	link	When the Editor has focus with an unmodified tab active and SQL Recall is also visible, Save (Ctrl+S) will invoke the SQL Recall's export functionality.
TMB-3596	link	Export DDL and the Tables Script tab in the Schema Browser includes the schema name in sequence references even when the option to include schema name is set to not include.
TMB-3611	link	Schema Browser shows incorrect tablespace percentage used on RAC container databases in some cases.
TMB-3617	link	When Toad cannot locate sqlplus.exe there is no indication of a problem

Issue ID	Link to Forum Post	Resolved Issue
		when attempting to send a script from Toad to SQL*Plus.
TMB-3623		Named SQL recall popup in Editor adds unnecessary scroll bars causing text to not be shown completely.

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
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
Oracle client version 12.1.0.1 corrupts data received via output bind variables. As a result, numerous errors result immediately upon connection and afterwards. *Note:* Toad for Oracle does not support Oracle client 12.1.0.1.	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.	72966

Apply settings system-wide:

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 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 are running Toad. The following are supported:

Requirement	Details
	• 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
	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 **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 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).

Requirement	Details
	• 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

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