Toad® for Oracle 13.3

Release Notes

Revised 3/3/2020

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 13.3 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 13.3
- 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® Data Modeler (free use)
Toad for Oracle Professional Edition	Toad® for Oracle® Professional Toad® Data Modeler (free use)
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

Edition	Licensed
Toad for Oracle DBA Exadata Edition	Toad® for Oracle® Xpert
	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 13.3

Table Data

Copy Table Data

When copying table data to another table you can select a subset of source table columns from which to copy. Only data in the selected columns will be copied to the destination table. Copy Table Data is accessible from the Schema Browser Tables view right-click menu (**Data | Copy to another schema**).

Note: Copy Table Data is also accessible from the Automation Designer (**Utilities | Automation Designer**).

Import Table Data

Improved detection of field breaks when importing table data from fixed width text files (**Database | Import | Import Table Data**).

Note: Import Table Data is also accessible from the Automation Designer (**Utilities | Automation Designer**).

Automation Designer

Export Dataset Action

If the dataset is a SQL file containing multiple SELECT statements, Toad will generate one file per statement. If the destination is Excel File then Toad will generate a new sheet per statement.

Similarly, if the dataset is SQL text then multiple SELECT statements results in multiple files.

File / List Iterator Actions

Support for multiple variable values per line, separated by a delimiter of your choosing. Values are referenced within child actions using the fully qualified variable name which is the action name and the 1-based value index, e.g. %MyFileIterator.1%.

Schema Browser

Tables View, Partitioning Tab

Row Select option added to right-click menu. Row Select is enabled, by default.

Generate Schema Script

Generate Schema Script (**Database | Export | Generate Schema Script**) has added support for ANALYTIC VIEW, ATTRIBUTE DIMENSION, HIERARCHY, and INMEMORY JOIN GROUP object types.

Toad® Script Runner

The SYSASM, SYSKM, SYSDG, and SYSBACKUP administrative privileges are now supported.

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 13.3

The following list of resolved issues includes issues received from the Toad for Oracle forum and Toad Beta users.

Issue ID	Link to Forum Post	Resolved Issue
TMB-2464	link	Painting issues for unpinned (autohide) dock panels upon startup
TMB-2454	link	Resource leaks in script execution status dialog
TMB-2431	link	Incorrect recommendation that object name must be double quoted in select create (or alter) object windows
TMB-2430	link	Database Health Check fails to run via command line for all connections if only one has a wrong password specified
TMB-2413		Changes to a Code Analysis Rule Set are not saved when saving to previously exported Rule Set file
TMB-2408	link	No Explain Plan results in some cases when the Explain Plan table exists in multiple schemas
TMB-2393		"Invalid Oracle Home" message shown for instant clients installed to a folder named "bin"
TMB-2354	link	Sequence last cache value is incorrectly reporting the maximum value
TMB-2340	link	Error encountered when publishing Java class containing forward slash in its name to PL/SQL
TMB-2299	link	Cannot copy individual cell values from the Partitioning tab when viewing a table
TMB-2297		Incorrect DDL generated for table having foreign key referencing a view
TMB-2272	link	Cannot edit saved direct connection so that it uses Service Name or SID
TMB-2271	link	Incorrect font used for some columns when viewing table data in grid
TMB-2260		Export Dataset data masking does not work in some cases
TMB-2256	link	Export Dataset parses SQL file incorrectly in some cases

Issue ID	Link to Forum Post	Resolved Issue
TMB-2250		ORA-00900 when using the Data Masking option with SQL Text dataset in the Export Dataset window and action
TMB-2249		Copy/paste a block selection containing multibyte characters causes exception when pasting
TMB-2245	link	Code navigator when describing a package does not update properly
TMB-2243	link	Export Dataset, Excel File format, exports the date 1-1-1900 as a string instead of a date
TMB-2241	link	Control alignment/position issues when resizing Session Browser
TMB-2238		Contexts, Dimensions, and Policies are not shown in the Schema Browser when connected to a database that does not support Java, e.g. Oracle XE
TMB-2226	link	Data Grid is slow to load for queries having many columns in the result set when Sensitive Data Protection Awareness is enabled
TMB-2225		Editor, Toggle Full Screen Grid (Shift+F2) paints poorly and is non-functional in some cases
TMB-2212	link	Export Dataset, Merge Statements, incorrect SQL generated when table primary key consists of all columns
TMB-2201		Administer Tablespace window problems (duplicate rows, privilege exception) when connected to Oracle 12.1 container database
TMB-2192		Cannot edit data in grids for index-organized tables
TMB-2153		The "OK" button does not enable when altering a tablespace and changing the maximum size value for a datafile
TMB-2146		Auto-connect not working when more than one connection is set to connect automatically upon Toad startup
TMB-2057	link	Compare Schemas incorrectly flags DEFAULT_COLLATION as a difference and produces SQL error on target database in some cases
TMB-2034	link	Window bar buttons do not update connection colors properly
TMB-2030	link	Query results take too long to become available
TMB-2009		Database Probe hangs on Oracle 11g Release 2
TMB-1973	link	Data Grid is read-only when executing SELECT from table having XMLTYPE column despite ROWID being returned
TMB-1970		Code Analysis results in JSON format specifies wrong object owner in some cases
TMB-1948	link	Analyze Objects window opens to the wrong connection in some cases
TMB-1918	link	Export Dataset incorrectly excludes XMLTYPE columns when the option to exclude virtual columns is enabled
TMB-1872		Creating an Oracle 18c or 19c pluggable database fails if the container database is non-Exadata
TMB-1849	link	Access Violation generating Explain Plan
TMB-1818	link	Duplicate Row in the data grid will hang Toad if followed a Find (Ctrl+F)

Issue ID	Link to Forum Post	Resolved Issue
TMB-1808	link	Rebuild Table changes INTEGER to NUMBER
TMB-1799	link	SELECT * FROM TABLE(dbms_xplan.display_cursor) showing unexpected result
TMB-1745	link	Compare Files vertical scrolling is too aggressive when the scrollbar is clicked
TMB-1704		"Data type not supported" error when viewing cursor output containing TIMESTAMP or INTERVAL fields
TMB-1624	link	Compare Schemas uses DBMS_REDEFINITION to sync tables at times when it shouldn't
TMB-1609		Sending PL/SQL from the Set Parameters window to Toad Script Runner for execution passes SQL that is incomplete resulting in error
TMB-1604	link	Explain Plan results in "ORA-01775: looping chain of synonyms" error
TMB-1587	link	Windows high contrast option is not obeyed in some windows
TMB-1552		"No mapping for the Unicode character exists in the target multi-byte code page" exception upon Toad startup/shutdown

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

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	N/A

Known Issue	Issue ID
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.

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	N/A

Known Issue	Issue ID
commands may fail.	
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
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

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 Server 2008 R2 (64-bit) - 2 CPU required - Windows 7 (32-bit and 64-bit) - Windows 8 and 8.1 (32-bit and 64-bit) - Windows Server 2012 (32-bit and 64-bit) - 2 CPU required - Windows Server 2012 R1 and R2 (64-bit) - 2 CPU required - Windows Server 2016 - Windows 10

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: • 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.

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 7	• Read access to the Oracle client folder • Read/write privileges on the Oracle Home directories that you use for your connections
Windows 8 and later Windows Server 2012 and 2016	• Read access to the Oracle client folder • Read/write privileges on the Oracle Home directories that you use for your connections

NOTE: Other functionality in Toad may require additional privileges.

Product licensing

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 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.

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 native 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

Toad for Oracle Release Notes
Updated - 3/3/2020
Version - 13.3