

Toad® for Oracle® 2017 Editions

Installation Guide



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Quest Software Inc.

Attn: LEGAL Dept

4 Polaris Way

Aliso Viejo, CA 92656

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Updated - 9/29/2017

Version - 2017 Editions

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About Toad for Oracle

Overview of 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 and 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.

Overview of Toad for Oracle Editions

Each Toad for Oracle Edition is packaged with additional products to expand your Oracle experience. The following editions are available.

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

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

NOTES:

- Knowledge Xpert has been moved to a free online wiki, <http://www.toadworld.com/platforms/oracle/default.aspx>. Toad components which use the desktop version of Knowledge Xpert have been updated to reference the online content.
- The DB Admin Module can be added to any Toad Edition.

System Requirements

About these requirements

These are the minimum system requirements to support the Toad for Oracle edition that you are installing. Also listed are any exceptions to those requirements that are needed to support individual products in your Edition. For example, a product may require more memory than Toad for Oracle, or a product may not support an operating system or may require a later database version than Toad for Oracle.

These are the system requirements for Toad for Oracle. Additional system requirements for the products that are bundled in the Toad Editions are in the Toad for Oracle Editions Release Notes on <http://support.quest.com/technical-documentation>.

Hardware requirements

Requirement	Details
Processor	1 GHz processor (Spotlight requires 1.2 GHz processor)
Memory	<ul style="list-style-type: none"> 1 GB RAM - Toad for Oracle 32 bit 2 GB RAM - Toad for Oracle 64 bit <p>Toad Data Modeler requires 1 GB but recommends 4 GB.</p> <p>NOTE: The memory required may vary based on the following:</p> <ul style="list-style-type: none"> 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	<p>By Toad Edition:</p> <ul style="list-style-type: none"> 800 MB - Toad for Oracle Base Edition

Requirement	Details
	<ul style="list-style-type: none"> • 530 MB - Toad for Oracle Professional Edition • 625 MB - Toad for Oracle Xpert Edition • 1 GB - Toad for Oracle Developer Edition • 2 GB - Toad for Oracle DBA Edition • 2 GB - Toad for Oracle DBA RAC Edition and Toad for Oracle DBA Exadata Edition <p>By product:</p> <ul style="list-style-type: none"> • 120 MB - Toad for Oracle 32 bit • 150 MB - Toad for Oracle 64 bit • 120 MB - Benchmark Factory™ for Databases - Oracle Edition • 100 MB - Code Tester for Oracle® • 1GB - Spotlight™ on Oracle® • 180 MB - SQL Optimizer for Oracle® (32-bit) • 217 MB - SQL Optimizer for Oracle® (64-bit) • 400 MB (1 GB recommended) - Toad™ Data Modeler
Operating system	<ul style="list-style-type: none"> • Windows Vista (32-bit and 64-bit) • Windows Server 2008 (32-bit and 64-bit) - 2 CPU required • 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	<p>An Oracle client must be installed and configured on the system where you are running Toad. The following are supported:</p> <ul style="list-style-type: none"> • 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

Requirement	Details
Database server	<p>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.</p> <p>Oracle versions:</p> <ul style="list-style-type: none"> • 10g, 10g R2 • 11g, 11g R2 • 12c Release 1 and 2 <p>Exadata:</p> <p>Toad has been tested on Oracle Exadata 2.0 running Oracle database 11g R2.</p> <p>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.</p> <p>Exceptions by product:</p> <ul style="list-style-type: none"> • Benchmark Factory requires 9i or later. • Code Tester requires 9.2.0.6 or later. • SQL Optimizer requires 8.1.7 or later. • Toad Data Modeler requires 9i or later.
Cloud database service	<p>Oracle Database as a Service on Amazon EC2 and Oracle Cloud</p> <p>Exceptions by product:</p> <ul style="list-style-type: none"> • Benchmark Factory has not been tested for Oracle Database as a Service on Amazon EC2. • Toad Data Modeler does not support Oracle Database as a Service.

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	<ul style="list-style-type: none">• 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. <p>Microsoft .NET Framework requirements per product</p> <ul style="list-style-type: none">• Spotlight on Oracle: .NET Framework 3.5 (Service Pack 1 or later)• SQL Optimizer: .NET Framework 4.0 Full Profile• Toad Data Modeler: .NET Framework version 3.5 on first application start
Additional requirements	Spotlight requires: <ul style="list-style-type: none">• Monitor capable of supporting a resolution of 1280x1024 or larger. You should also set the display to use the 64K color palette (65536 colors).• Toad for Oracle DBA RAC Edition support up to 16 instances in a cluster, with a theoretical limit of 36 instances.

Virtualization support

Type	Details
Application virtualization	Citrix® XenApp
Desktop virtualization (VDI)	Dell™ vWorkspace™ 7.0 has been tested. <p>Exceptions by product:</p> <ul style="list-style-type: none">• Spotlight: tested on desktop VMware® workstations.• Toad Data Modeler: To avoid printing problems, the virtual printer must be installed directly on vWorkspace.
Server virtualization	Oracle VM 3.1 has been tested. <p>Exceptions by product:</p> <ul style="list-style-type: none">• Benchmark Factory for Databases - Oracle Edition has not been tested.

Type	Details
	<ul style="list-style-type: none"> Spotlight has been tested on VMware ESX server™. <p>Spotlight supports Oracle Virtualization (OVM). Limited testing has been done using Oracle VM 3.0.</p> <p>VMware ESX Server 3.5, 4.0, and 5.5 have been tested.</p> <p>Exceptions by product:</p> <ul style="list-style-type: none"> Benchmark Factory has not been tested. Code Tester has not been tested. Toad Data Modeler has been tested using VMware Server 3.0.

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 Vista Windows 7	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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.

Install Toad

Toad for Oracle installation options

You can install Toad in the following ways:

Typical installation

Use the Toad 2017 Editions Installer to install Toad, along with any or all of the other products of a Toad Edition. This installer is available in the following formats:

- **Web-based installer:** This installer is a web-based thin client that automatically detects and downloads the correct Toad installation files, based on your license key. At the same time, the installer detects any other available Quest products in the Edition and allows you to select the ones to download and install.
- **Full installer:** This installer contains all of the installation files required to install Toad and any other products of an Edition. It detects and shows the products in the Edition, based on your license key. This installer supports administrators who need to provide installation programs from a central server to multiple users.

To install Toad from this installer, see the Toad 2017 Editions Installation Guide at <http://support.quest.com/technical-documentation>.

To install Toad and other products from this installer, see [Install Toad from the Editions Installer](#) in this guide.

Special installation

You can download an MSI zip file that contains all of the installer files for the following individual products in the Toad Edition. You can run these MSI files to perform a silent installation or to satisfy other special requirements. See the individual product release notes for instructions at <http://support.quest.com/technical-documentation>.

- Toad for Oracle
- SQL Optimizer for Oracle
- Code Tester for Oracle
- Benchmark Factory for Database

- Spotlight on Oracle
- Toad Data Modeler

Silent installation

You can perform a silent installation of Toad by running a standalone MSI installer. See [Perform a silent installation of Toad](#) in this guide.

Read-only installation

You can install a read-only version of Toad by running the special read-only installer. See [Install Toad as Read-only](#) in this guide.

Installation and operation guidelines

- Install the 32-bit version of Toad if you are using a 32-bit Oracle client. Install the 64-bit version of Toad if you are using a 64-bit Oracle client.
- The Toad Editions installer contains both 32-bit and 64-bit software.
- If you also have the freeware version of Toad, do not install the commercial version over the freeware version. This will adversely affect some functions. Install the commercial version in a different directory from the freeware version.
- Toad automatically imports your settings files if the new version is within two releases of the previous version. If your versions are more than two releases apart, install an intermediate version to successfully import the files, and then upgrade to this version.
- If you need to import your Toad settings from another computer, you can manually import the settings. See [Import user settings](#).

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

Operating System	Requirements
Windows Server	<ul style="list-style-type: none"> • Read access to the Oracle client folder • Read/write privileges on the Oracle Homes directories that you use for your connections • Be a Power User or Administrator
Windows Vista Windows 7	<ul style="list-style-type: none"> • Read access to the Oracle client folder • Read/write privileges on the Oracle Homes directories that you use for your connections • If UAC (user account control) is enabled, you must have administrator privileges
Windows 8 Windows 10 Windows Server 2012	<ul style="list-style-type: none"> • Read access to the Oracle client folder • Read/write privileges on the Oracle Homes directories that you use for your connections

Note: Other functionality in Toad may require additional privileges.

- If you experience startup failures, do the following:
 - a. Right-click on the Toad shortcut, then select **Properties**.
 - b. Select the **Compatibility** tab.
 - c. Select Change Settings for All User.
 - d. Make certain **Run this program as an administrator** is selected for the user who is running Toad (or you can set it for all users).

Preinstallation instructions for Citrix or Remote Desktop Services

All Toad user files are stored in a *user_name* directory. When a user opens Toad for the first time, Toad copies the contents of this folder to the user's associated Application Data folder in the Toad installation folder.

NOTE: Write access is required to the Oracle directory if any of the users want to edit the **tnsnames.ora** file by using the TNSNames Editor within Toad.

To install Toad on a Citrix/Remote Desktop Services system

1. Connect to the system as an administrator.
2. Copy the Toad installer to the Citrix/Remote Desktop Services server, if required.
3. Install Toad according to the instructions provided in this guide.

4. Right-click the **Toad.exe** file in the root installation folder, and then select **Properties**. Make sure the **Allow non-administrators to run this program** option is selected under **Compatibility | User Account Privileges**.
5. Repeat these steps for each server in the Citrix/Remote Desktop Services farm.
Note: Although you must install Toad on every server in the farm, you only need to publish Toad once.

Install Toad from the Editions Installer

Use the Toad 2017 Editions Installer to install Toad, along with any or all of the other products of a Toad Edition. This installer is available in the following formats:

- **Web-based installer:** This installer is a web-based thin client that automatically detects and downloads the correct Toad installation files, based on your license key. At the same time, the installer detects any other available Quest products in the Edition and allows you to select the ones to download and install.
- **Full installer:** This installer contains all of the installation files required to install Toad and any other products of an Edition. It detects and shows the products in the Edition, based on your license key. This installer supports administrators who need to provide installation programs from a central server to multiple users.

NOTE: To perform a silent or other special installation, see the individual product release notes at <https://support.quest.com/technical-documentation>.

To install from the Editions installer

1. Obtain your license key and site message text if you have not done so already. **IMPORTANT!** If you have a legacy license key, the installer will direct you to the license key Web page, where you can update your key.
2. Go to <https://support.quest.com/download-product-select>.
3. Search for Toad for Oracle.
4. Select the appropriate installer for your processor type from either **Web Installer** or **Full Installer (Administration)**.
 - Individuals who want to install on their own computer should select the **Web Installer**. This installer downloads quickly and does not place a large file on your system.
 - Administrators who must install for multiple users should select the **Full Installer**.
5. Run the installer.
6. Review the license terms, select **I accept these terms**, then click **Next**.
7. If your license key is not shown, click **Add** to enter your license key and site message, then click **Next**.
8. Select the products that you want to install.
9. Click **Install**.

NOTE: When you install Toad and other products as an Edition through this installer, the installer creates the following directory structure in Windows Explorer and the Programs menu (this example assumes three products were installed):

Quest Software

Toad 2017 R2 Edition

Toad *version*
Benchmark Factory *version*
Code Tester for Oracle *version*
...

Uninstall products in an Edition

If you installed your Edition products from the Toad 2017 Editions installer, you can uninstall any or all of them at the same time as follows:

1. Open the **Programs and Features** control panel.
2. Select the Toad 2017 Editions entry, then select **Uninstall**. The installer opens and presents you with options for removing selected products.
3. Select Toad and any other bundled program that you want to remove from the system.
4. Click **OK**.

If you installed your Edition products individually by using the special MSI installers, see the individual product release notes at the following location for help with uninstalling them.

<http://support.quest.com/technical-documentation>

Post-installation tasks

Apply license keys to bundled products

All products within a Toad Edition share a licensing key. For best results, when you have completed installation of your products, run Toad for Oracle first and enter the license key when prompted. This ensures that all installed products reflect the appropriate license key.

If you have previously licensed versions of Toad for Oracle or the other products in this Edition, your old license keys will continue to work. If you are upgrading to a different Edition and have been issued a new key, use the following procedure to apply it.

To upgrade an existing license

1. Launch Toad for Oracle.
2. Select **Help | Licensing**, then enter your new license key. Any new features are enabled automatically, and any additional Toad products are licensed using this key.


Import user settings

If you are installing a new version of Toad on the same computer where a previous Toad version is installed, Toad automatically imports your settings 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, and then upgrade to this version.

If your old settings are *not* located on the same computer as the one where you are installing this version of Toad, use the following procedure to import them.

To import settings from another computer

You need your license key to complete these steps.

1. On your old computer, open Windows Explorer and locate the Toad settings folder.
NOTE: To find the settings folder, select **View | Toad Options | General**. The folder location is listed in the **Application data directory** field.
2. Copy the folder to the new computer, a network it can connect to, or a storage device.
3. Install and open Toad on the new computer.
4. Select **Utilities | Copy User Settings** in the main Toad toolbar.
5. Click  then navigate to the copied folder.
NOTE: You can also select **Utilities | Copy User Settings**, then select **Create a clean set of user files from the base installation**.

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