

# Toad™ for Oracle® 12.8

## Installation Guide



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#### Legend

**CAUTION:** Indicates potential damage to hardware or loss of data if instructions are not followed.

**IMPORTANT, NOTE, TIP, MOBILE or VIDEO:** An information icon indicates supporting information.

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# 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. Over 15 years 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.

# System Requirements

## About these requirements

These are the system requirements for Toad for Oracle. Additional system requirements for the products that are bundled in the Toad Editions and Toad Suites are in the Toad for Oracle Suites Release Notes on <http://documents.software.dell.com/toad-for-oracle/>.

## Hardware requirements

Requirement	Details
Memory	32-bit: 1 GB RAM 64-bit: 2 GB RAM <b>NOTE:</b> The memory required may vary based on the following: <ul style="list-style-type: none"><li>• Applications that are running on your system</li><li>• Size and complexity of the database</li><li>• Amount of database activity</li><li>• Number of concurrent users accessing the database</li></ul>
Hard disk space	120 MB - Toad for Oracle 32 bit 150 MB - Toad for Oracle 64 bit
Operating system	Windows Server 2003 (32-bit and 64-bit) Windows XP <b>NOTE:</b> Windows XP does not support the Oracle 12c client. Use an earlier client version with this platform. 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 2012 (32-bit and 64-bit)

Requirement	Details
	Windows Server 2012 R1 and R2 (64-bit)
	Windows 10

## Database requirements

Requirement	Details
Database client	<p>Oracle Client 9.2.0.8</p> <p>Oracle Client or Instant Client 10.2.0.5</p> <p>Oracle Client or Instant Client 11.2.0.1/11.2.0.3</p> <p>Oracle Client or Instant Client 12c (not supported on Windows XP)</p> <p><b>NOTE:</b> 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>
Database server	<p><b>Oracle versions:</b></p> <p>8.0.6</p> <p>8.1.7</p> <p>9i, 9i R2</p> <p>10g, 10g R2</p> <p>11g, 11g R2</p> <p>12c</p> <p><b>Exadata</b></p> <p>Toad has been tested on Oracle Exadata 2.0 running Oracle database 11g R2.</p> <p><b>IMPORTANT:</b> 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>
Cloud database service	Oracle databases running on Amazon EC2 and Oracle Cloud
IPv6	<p>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.</p>

# Additional requirements

Requirement	Details
Additional Software	<ul style="list-style-type: none"><li>• Microsoft Internet Explorer 6.0 or later (to view video from the <b>Jump</b> list within Toad, and to view the product documentation in HTML format).</li><li>• Adobe Acrobat Reader 7.0 or later (to view the product documentation in PDF format).</li><li>• Microsoft .NET Framework 4.0 to support the Toad for Oracle® 2015 Suites Installer.</li></ul>

## Virtualization support

Type	Details
Application virtualization	Citrix® XenApp 5.0 and 6.5 have been tested.
Desktop virtualization (VDI)	Dell™ 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 for Oracle, make a connection, and do basic operations, you must have the following privileges.

Operating System	Requirements
Windows XP Windows Server	<ul style="list-style-type: none"><li>• Read access to the Oracle client folder</li><li>• Read/write privileges on the Oracle Home directories that you use for your connections</li><li>• Be a Power User or Administrator</li></ul>
Windows Vista Windows 7	<ul style="list-style-type: none"><li>• Read access to the Oracle client folder</li><li>• Read/write privileges on the Oracle Home directories that you use for your connections</li></ul>
Windows 8	<ul style="list-style-type: none"><li>• Read access to the Oracle client folder</li></ul>

Operating System	Requirements
Windows Server 2012	<ul style="list-style-type: none"> <li>• Read/write privileges on the Oracle Home directories that you use for your connections</li> </ul>

**NOTE:** Other functionality in Toad may require additional privileges.



# Install Toad for Oracle

## Toad for Oracle installation options

You can install Toad in the following ways:

### Typical installation

Use the Toad for Oracle 2015 Suites Release 2 Installer to install Toad for Oracle, along with any or all of the other products of a Toad edition or suite. 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 Dell products in the edition or suite 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 for Oracle and any other products of an edition or suite. It detects and shows the products in the edition or suite, 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 for Oracle 2015 Suites Release 2 Installation Guide at <http://documents.software.dell.com/toad-for-oracle/>.

### Silent installation

You can perform a silent installation of Toad by running a standalone MSI installer. See [Install Toad silently from the command line](#) 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 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.
- 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](#).

## 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 silently from the command line

A silent installation enables you to deploy Toad and other suite products to multiple machines. To install silently, you download an MSI file and then execute command-line parameters to install one product at a time. You can change the parameters to fit your environment or standards, such as installing to a different directory.

These instructions are for performing a silent installation of Toad for Oracle and, optionally, installing licenses on the target computers. To perform a silent installation of other products that are provided with your Toad edition or suite, see the installation guide for that product on <https://documents.software.dell.com>.

## Run the silent installation

1. Go to <https://support.software.dell.com/toad-for-oracle/download-new-releases>.
2. Make certain the correct Toad release is selected in the drop-down box.
3. Under **MSI Installers (Special Installations Only)**, download the **Toad for Oracle 2015 Suites** zip file.
4. Unzip the download file.

5. From the Windows command prompt, run the Toad for Oracle MSI file. The basic command to run a silent installation is the following:

```
msiexec /i "full path to MSI file"
```

#### Example

```
msiexec /i "C:\Users\jdoe\Downloads\ToadForOracle_12.7.0.111_x86_En.msi"
```

See [Command-line options](#) for additional options.

## Install licenses

To install licenses on the target computers, you do the following:

- Create a **Questkey.reg** text file to specify each license key.
- Send the file to the target PC and import it to the Registry there.

#### *To create the Questkey.reg file*

Create the **Questkey.reg** file in a text editor. The following is a template:

```
Windows Registry Editor Version 5.00
```

```
[HKEY_CURRENT_USER\Software\{08439167-4CA5-48E9-A810-A3A7C0B80B06}]
```

```
[HKEY_CURRENT_USER\Software\{08439167-4CA5-48E9-A810-A3A7C0B80B06}\Local]
```

```
[HKEY_CURRENT_USER\Software\{08439167-4CA5-48E9-A810-A3A7C0B80B06}\Local\REPLACE_WITH_KEY]
```

```
"SiteMessage"="REPLACE_WITH_SITEMESSAGE"
```

```
"ProductName"="REPLACE_WITH_PRODUCTNAME"
```

```
"ProductVersion"="REPLACE_WITH_PRODUCTVERSION"
```

Follow these steps to configure the file:

1. Do not change the first two `HKEY_CURRENT_USER` lines. They are the key entries.
2. Replace the "`REPLACE_WITH_(KEY | SITEMESSAGE | PRODUCTNAME | PRODUCTVERSION)`" text with the relevant information supplied with your license.
3. Add any additional licenses as required in the same file by replicating the last four lines and then applying the correct information.
4. Save the file.

#### *To apply the file on the target computer*

1. Transfer the **Questkey.reg** file to the target PC.
2. Import the file to the Registry on the target PC with the following command in the Windows command prompt:

```
C:\> reg import Questkey.reg
```

When the user runs Toad and any product installed with Toad, the software validates the license and removes the entries from the Registry.

Toad (and any other product) is ready for use when the license is validated.

## Command-line options

You can use the following command-line parameters when you silently install Toad for Oracle:

Option	Parameter	Description
/l	Package   ProductCode	Installs or configures the product.
/f	[p o e d c a u m s v] Package   ProductCode	Repairs the product. This option ignores any property values entered in the command-line. The default argument list for this option is 'omus.' The following options are available: <ul style="list-style-type: none"><li>• p—Reinstalls only if a file is missing.</li><li>• o—Reinstalls if a file is missing or an older version is installed.</li><li>• e—Reinstalls if a file is missing or an equal or older version is installed.</li><li>• d—Reinstalls if a file is missing or a different version is installed.</li><li>• c—Reinstalls if a file is missing or the stored checksum does not match the calculated value. This option only repairs files that have msidbFileAttributesChecksum in the Attributes column of the File table.</li><li>• a—Forces all files to be reinstalled.</li><li>• u—Rewrites all required, user-specific registry entries.</li><li>• m—Rewrites all required, computer-specific registry entries.</li><li>• s—Overwrites all existing shortcuts.</li><li>• v—Runs from source and re-caches the local package. Do not use this option for the initial installation of the product or feature.</li></ul>
/a	Package	Installs the product on the network.
/x	Package / ProductCode	Uninstalls the product.
/l	[i w e a r u c m o p v x + ! *] Logfile	Writes logging information to a logfile in the specified path. The path to the logfile location must already exist. The installer does not create the directory structure for the logfile. Flags indicate which information to log. If no flags are set, the default is 'iwearmo.' The following options are available: <ul style="list-style-type: none"><li>• i—Status messages.</li><li>• w—Nonfatal warnings.</li><li>• e—All error messages.</li></ul>

Option	Parameter	Description
		<ul style="list-style-type: none"> <li>• a—Start up of actions.</li> <li>• r—Action-specific records.</li> <li>• u—User requests.</li> <li>• c—Initial UI parameters.</li> <li>• m—Out-of-memory or fatal exit information.</li> <li>• o—Out-of-disk-space messages.</li> <li>• p—Terminal properties.</li> <li>• v—Verbose output.</li> <li>• x—Extra debugging information. Only available on Windows Server 2003.</li> <li>• +—Append to existing file.</li> <li>• !—Flush each line to the log.</li> <li>• "*"—Log all information except for the v and x options. To include the v and x options, enter "/l*vx".</li> </ul>
/q	n b r f	<p>Sets the user interface level. Review the following options:</p> <ul style="list-style-type: none"> <li>• q, qn—No UI</li> <li>• qb—Basic UI. Use qb! to hide the Cancel button.</li> <li>• qr—Reduced UI with no modal dialog box displayed at the end of the installation.</li> <li>• qf—Full UI and any authored FatalError, UserExit, or Exit modal dialog boxes at the end.</li> <li>• qn+—No UI except for a modal dialog box displayed at the end.</li> <li>• qb+—Basic UI with a modal dialog box displayed at the end. The modal box does not display if you cancel the installation. Use qb+! or qb!+ to hide the Cancel button.</li> <li>• qb- —Basic UI with no modal dialog boxes. Note that /qb+- is not a supported UI level. Use qb-! or qb!- to hide the Cancel button.</li> </ul> <p><b>Note:</b> The ! option is available with Windows Installer 2.0 and works only with basic UI. It is not valid with the full UI.</p>
RESTRICTIONS	p	Prevents users from saving their connection password by disabling the <b>Save password</b> field in the Database Login window. For example: RESTRICTIONS=p

Option	Parameter	Description
	i	Prevents users from accessing the Internet via Toad by disabling all Internet access in Toad. This can be combined with the 'p' parameter; for example: RESTRICTIONS=p,i

## Install Toad as read-only

A Read-only version of Toad for Oracle prevents the user from making any changes to the database, regardless of his or her Oracle privileges. Dell provides a read-only installer in 32-bit and 64-bit versions. You must have the appropriate license for a read-only version of Toad.

### *To install Toad for Oracle Read-Only*

1. Obtain the license key and site message text for your installation.
2. Go to <https://support.software.dell.com/toad-for-oracle/download-new-releases>.
3. Make certain the correct Toad release is selected in the drop-down box.
4. Under **Read Only**, download the appropriate **Toad for Oracle Suite** installer.
5. To install other products that are bundled with your Toad Edition or Suite:
  - a. Under **Web**, download the appropriate **Toad for Oracle Suite** installer.
  - b. Run the Suite installer to install all of the desired products *except* Toad for Oracle. For help, see the Toad for Oracle 2015 Suites Release 2 Installation Guide at <http://documents.software.dell.com/toad-for-oracle/>.
6. Run the Toad for Oracle Read-only installer.
7. Select **Toad for Oracle processor-type Read Only**. (This is the only option in that installer.)
8. Click **Install**.

## Post-installation tasks

### Apply license keys to bundled products

All products within a Toad edition or suite 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 or suite, your old license keys will continue to work. If you are upgrading to a different edition or suite 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**.



# Uninstall Toad for Oracle

## Uninstall through Windows

1. Open the **Programs and Features** control panel in Windows.
2. Select the Toad for Oracle entry, then select **Uninstall**.
3. Click **OK**.

## Uninstall Toad silently

The following is the basic command to uninstall Toad silently:

```
msiexec /x "path_to_msi_file\ToadForOracle_version_x86_En.msi" /q
```

See [Command-line options](#) for additional command options.

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**Technical Support:**

[Online Support](#)

**Product Questions and Sales:**

(800) 306-9329

**Other contact requests:**

<http://software.dell.com/company/contact-us.aspx>

## Technical support resources

Technical support is available to customers who have purchased Dell software with a valid maintenance contract and to customers who have trial versions. To access the Support Portal, go to <http://software.dell.com/support/>.

The Support Portal provides self-help tools you can use to solve problems quickly and independently, 24 hours a day, 365 days a year. In addition, the portal provides direct access to product support engineers through an online Service Request system.

The site enables you to:

- Create, update, and manage Service Requests (cases)
- View Knowledge Base articles
- Obtain product notifications
- Download software. For trial software, go to [Trial Downloads](#).
- View how-to videos
- Engage in community discussions
- Chat with a support engineer