Toad® DevOps Toolkit 2025 R3

Installation Guide

© 2025 Quest Software Inc. ALL RIGHTS RESERVED.

This guide contains proprietary information protected by copyright. The software described in this guide is furnished under a software license or nondisclosure agreement. This software may be used or copied only in accordance with the terms of the applicable agreement. No part of this guide may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying and recording for any purpose other than the purchaser's personal use without the written permission of Quest Software Inc.

The information in this document is provided in connection with Quest Software products. No license, express or implied, by estoppel or otherwise, to any intellectual property right is granted by this document or in connection with the sale of Quest Software products. EXCEPT AS SET FORTH IN THE TERMS AND CONDITIONS AS SPECIFIED IN THE LICENSE AGREEMENT FOR THIS PRODUCT, QUEST SOFTWARE ASSUMES NO LIABILITY WHATSOEVER AND DISCLAIMS ANY EXPRESS, IMPLIED OR STATUTORY WARRANTY RELATING TO ITS PRODUCTS INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT. IN NO EVENT SHALL QUEST SOFTWARE BE LIABLE FOR ANY DIRECT, INDIRECT, CONSEQUENTIAL, PUNITIVE, SPECIAL OR INCIDENTAL DAMAGES (INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF PROFITS, BUSINESS INTERRUPTION OR LOSS OF INFORMATION) ARISING OUT OF THE USE OR INABILITY TO USE THIS DOCUMENT, EVEN IF QUEST SOFTWARE HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. Quest Software makes no representations or warranties with respect to the accuracy or completeness of the contents of this document and reserves the right to make changes to specifications and product descriptions at any time without notice. Quest Software does not make any commitment to update the information contained in this document.

If you have any questions regarding your potential use of this material, contact:

Quest Software Inc.

Attn: LEGAL Dept

4 Polaris Way

Aliso Viejo, CA 92656

Refer to our Web site (https://www.quest.com) for regional and international office information.

Patents

Quest Software is proud of our advanced technology. Patents and pending patents may apply to this product. For the most current information about applicable patents for this product, please visit our website at https://www.quest.com/legal.

Trademarks

Quest, the Quest logo, and Join the Innovation are trademarks and registered trademarks of Quest Software Inc. For a complete list of Quest marks, visit https://www.quest.com/legal/trademark-information.aspx. All other trademarks and registered trademarks are property of their respective owners.

Toad DevOps Toolkit Installation Guide
Updated - 11/4/2025
Version - 2025 R3

Contents

Welcome to Toad® DevOpsToolkit **4**

System Requirements **5**
- Hardware requirements 5
- Database requirements 5
- Additional requirements 6
- Windows Privileges 6

Install Toad DevOps Toolkit **7**

License Toad DevOps Toolkit **8**

Get Started with Toad DevOps Toolkit **10**
- Learn about Toad DevOps Toolkit 10
- Start and stop the toolkit 10
  - Start a Toad DevOps Toolkit instance 10
  - Stop the Toad DevOps Toolkit instance 11

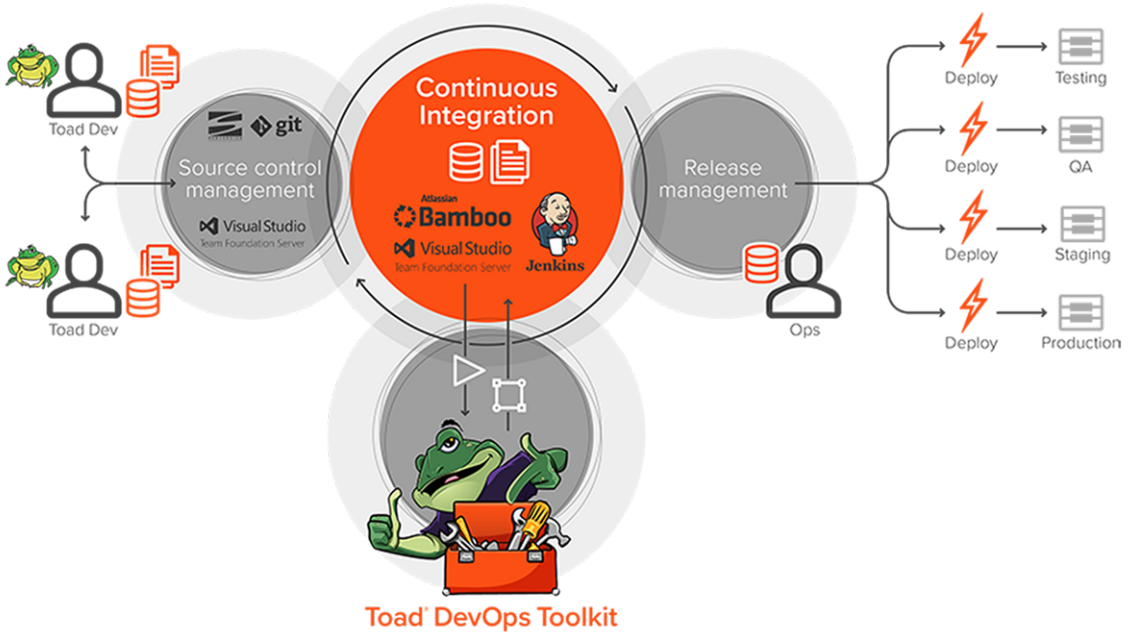
Uninstall Toad DevOps Toolkit **12**

About us **13**
- Contacting Quest 13
- Technical support resources 13

Welcome to Toad® DevOpsToolkit

Toad DevOps Toolkit exposes key Toad for Oracle functionality (such as Code Analysis and Unit Testing) as programmable objects that can be called from DevOps scripts such as PowerShell or Visual Basic. This enables you to include database-development steps into your Continuous Integration model through tools such as Jenkins or Bamboo.

What this all really means is that the deployment of Oracle application and database upgrades is now made much easier, keeping your team more productive and your end users satisfied with their business tools. Developers can now handle shorter release cycles without compromising quality for speed. Database administrators can now be more proactive with database improvements, even in the face of ever-increasing responsibilities and the growing complexity and variety of modern database systems.



System Requirements

Hardware requirements

Requirement	Details
Memory	2 GB RAM 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	300 MB
Operating system	• Windows 10 • Windows 11 • Windows Server 2016 • Windows Server 2019 • Windows Server 2022 • Windows Server 2025

Database requirements

Requirement	Details
Database client	An Oracle client must be installed and configured on the system where you are running Toad DevOps Toolkit. The following are supported: • Oracle Client or Instant Client 10.2.0.5 • Oracle Client or Instant Client 11.2.0.1/11.2.0.3 • Oracle Client or Instant Client 12c Release 1 and 2 • Oracle Client or Instant Client 18c • Oracle Client or Instant Client 19c • Oracle Client or Instant Client 21c • Oracle Client or Instant Client 23c/23ai NOTE: You must use the 32-bit version of Toad DevOps Toolkit with the 32-bit Oracle client, and the 64-bit version of Toad DevOps Toolkit with the 64-

Requirement	Details
	bit Oracle client.
Database server	• 10g Release 2 • 11g Release 1 and 2 • 12c Release 1 and 2 • 18c • 19c • 21c • 23c/23ai • 25ai (Exadata System Software) **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

Additional requirements

- Microsoft .NET Framework 4.5 is required to run the Quest Installer, which installs Toad DevOps Toolkit.
- Microsoft ASP.NET Core 8.0 and .NET Core 8.0 are required to run the REST API.
- If you want to run unit testing for database objects, a Code Tester repository (3.2 or greater) must exist on the system where Toad DevOps Toolkit is being used.

Windows Privileges

In order to run Toad DevOps Toolkit against the database, the following privileges are required:

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

Install Toad DevOps Toolkit

NOTE: You can install multiple versions of Toad DevOps Toolkit side-by-side, but only one Com object is registered at a time.

1. Log in to support.quest.com.
2. Enter **Toad DevOps Toolkit** in the Search bar.
3. On the left, select the **Software Downloads** link.
4. Download the appropriate **ToadDevOpsToolkit**_*version*_*processor*_**Installer** .
5. Run the installer.
6. Accept the license agreement.
7. Select the installation location or accept the default.
8. Click **Install**. The product is installed by default in the Programs list under **Quest Software**.
9. If the REST module was selected for installation, it will be configured to run under the **Local Service** account.
    - Most REST endpoints generate output files and write them to disk.
    - The **Local Service** account has limited privileges and may not have permission to write to your output directories.
    - We recommend updating the service's **Log On** properties to use an account with the necessary permissions, or granting the required access to the **Local Service** account.
    - Symptoms of insufficient permissions may include failure to generate output files, tasks that do not complete, 404 errors when retrieving task results, or other unexpected behavior.
10. You must license your installation before you can run Toad DevOps Toolkit. For more information, see License Toad DevOps Toolkit in this documentation.

License Toad DevOps Toolkit

Before you can use Toad DevOps Toolkit, you must apply your license key. A **.dlv** license file containing a valid license key is used to license Toad DevOps Toolkit.

License Files

Quest provides you with a license file (.dlv) containing a valid license.

When Toad DevOps Toolkit is installed, a license configuration file (License.cfg) is installed in C:\ProgramData\Quest Software\Toad Devops Toolkit. This configuration file specifies a default path to the .dlv file.

You can place the .dlv file in the default location specified in the configuration file, or you can place the .dlv file in a new location and then change the specified path in the License.cfg file.

Upon initial launch, Toad DevOps Toolkit reads the .dlv file and caches the license locally (in the ProductLicenses.xml file). When the locally-cached license expires, Toad DevOps Toolkit again searches the .dlv file (location specified by the License.cfg file) for a valid license.

To manually apply a license for Toad DevOps Toolkit

1. Obtain a **.dlv** license file containing a valid license from Quest. In most cases, Quest provides this file to you by email.
2. Then do one of the following:
    - Place this file in the location specified in the **License.cfg** file.
    - Place the file in a location of your choosing and then follow the steps in “To add a license using a script.”
3. Start Toad DevOps Toolkit.

To add a license using a script

- You can add a license from a **.dlv** file by running the following command using PowerShell:

    ```
    $TDT = New-Object -ComObject 'Toad.ToadAutoObject'
    $TDT.Licensing.AddLicense('full_path')
    $TDT.Quit()
    ```

    where *full_path* is the full path and file name of the **.dlv** file containing the license to add

    Example: `$TDT.Licensing.AddLicense('C:\mynewlicense.dlv')`

To refresh cached license

- If you need to load a new license from the .dlv file before your current license expires, run the following command using PowerShell:

    Caution: This command clears the locally-cached license before reading the **.dlv** file specified by **License.cfg**.

    ```
    $TDT = New-Object -ComObject 'Toad.ToadAutoObject'
    $TDT.Licensing.Refresh()
    $TDT.Quit()
    ```

To show license information

- To show the locally-cached license information, run the following command using PowerShell:

```
$TDT = New-Object -ComObject 'Toad.ToadAutoObject'
$TDT.Licensing
$TDT.Quit()
```

Get Started with Toad DevOps Toolkit

Toad DevOps Toolkit is not an interactive program like Toad for Oracle. Instead, it is built as a Windows Automation Server (COM) which provides a rich set of APIs that can be programmed and customized to suit your needs. It can also be integrated into any programming environment capable of creating and accessing COM objects.

Learn about Toad DevOps Toolkit

- Check out videos, blogs, news, and more on Toad World at www.toadworld.com/products/toad-devops-toolkit.
- The Toad DevOps Toolkit installation folder includes the following resources to help you get started:
    - **Toad DevOps Toolkit help file**: Review this file to understand the Toad features that are available. Included in the help file is the complete API reference documentation.
    - **Code Analysis rules and rulesets documentation**: Use this reference to help you set up Code Analysis to test your code against standard best practices.
    - **Basic demonstrations**: These demonstrations show you how Toad DevOps Toolkit can be used with PowerShell, VBA, and PL/SQL languages.

Start and stop the toolkit

Since everything about using Toad DevOps Toolkit is up to you – which features you will use, how you want to integrate them into your processes, and so forth – what we *can* do is show you how to start and stop the toolkit itself. After you review the available features, have a look at the API documentation, and then start programming your database automation tasks to meet your needs.

Start a Toad DevOps Toolkit instance

Like all COM objects, you need to create an instance of Toad DevOps Toolkit for it to be usable. Each invokation of **Toad.ToadAutoObject** creates its own instance of Toad DevOps Toolkit (**tdt.exe**).

PowerShell:

```
$TDT = New-Object -ComObject Toad.ToadAutoObject
```

VBA:

```
Dim TDT as ToadAutoObject
```

PL/SQL:

```
l_tdt_object   varchar2(100) := 'Toad.ToadAutoObject';
begin
l_result :=
   m.ordcom.createobject(l_tdt_object, 0, '', l_object_token);
```

Stop the Toad DevOps Toolkit instance

You will need to stop Toad DevOps Toolkit once it is finished running its tasks.

PowerShell:

```
$TDT.Quit()
```

VBA:

```
TDT.Quit
```

PL/SQL:

```
l_result := com.ordcom.destroyobject(l_object_token);
l_result := com.ordcom.destroyobject(l_com_token);
```

Uninstall Toad DevOps Toolkit

1. Go to **Programs and Features** in the Windows Control Panel.
2. Select **Toad DevOps Toolkit Installer**.
3. Select **Uninstall/Change**.
4. Select the product in the Installer dialog.**IMPORTANT:** The product will be removed without a prompt to confirm your intention.
5. Click **Next** to start the uninstallation.
6. Click **Finish**.

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