

Toad® DevOps Toolkit 1.0

Installation Guide



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Toad DevOps Toolkit Installation Guide
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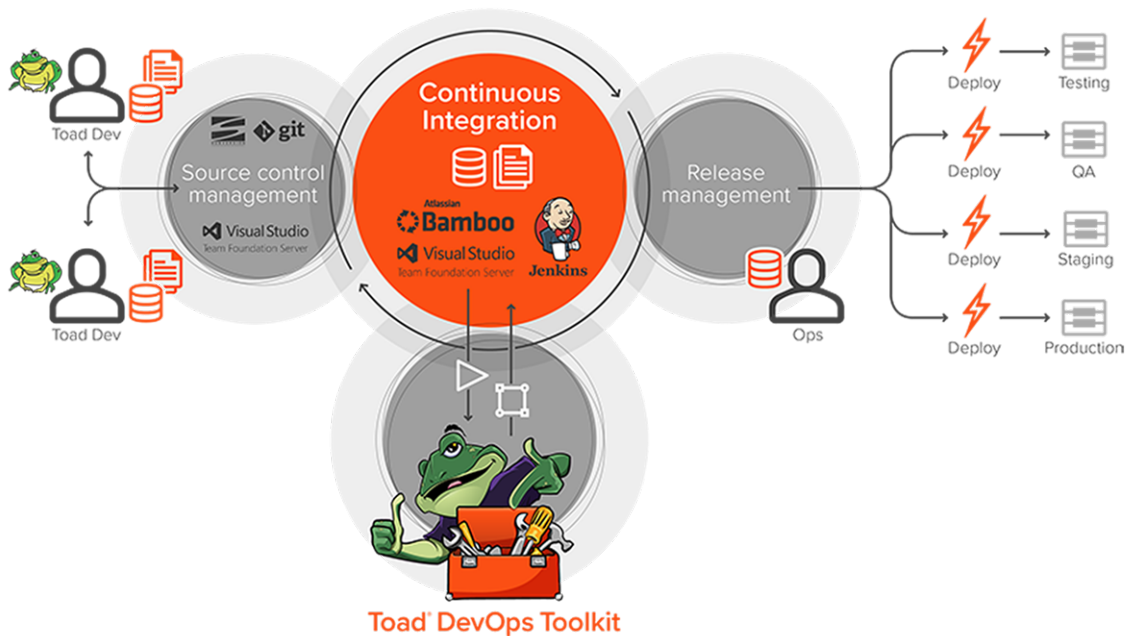
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Welcome to Toad® DevOpsToolkit

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	<ul style="list-style-type: none">• 1 GB RAM• 2 GB RAM <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	<ul style="list-style-type: none">• 120 MB• 150 MB
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 DevOps Toolkit. 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 <p>NOTE: You must use the 32-bit version of Toad DevOps Toolkit with the</p>

Requirement	Details
	32-bit Oracle client, and the 64-bit version of Toad DevOps Toolkit with the 64-bit Oracle client.
Database server	<p>Oracle versions:</p> <ul style="list-style-type: none"> • 10g, 10g R2 • 11g, 11g R2 • 12c Release 1 and 2 <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>
Cloud database service	Oracle Database as a Service on Amazon EC2 and Oracle Cloud

Additional requirements

- Microsoft Internet Explorer 9.0 is required to run the Toad DevOps Toolkit License Manager.
- Microsoft .NET 4.5 Framework is required to run the Quest Installer, which installs Toad DevOps Toolkit.
- 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 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

Install Toad DevOps Toolkit

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 | Toad DevOps Toolkit**.
9. The Toad DevOps Toolkit License Manager is launched by default when you finish installation. 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 add your license and then create an access key by running the License Manager utility. The License Manager utility enables you to add and manage your Toad World licenses and access keys. Both a valid license and an access key are required. Toad DevOps Toolkit licensing is term licensing, and you will be notified at runtime if the license is approaching the expiration

About access keys

IMPORTANT! Read this before you run the License Manager.

Access keys are used by Toad DevOps Toolkit to validate licenses without the need to log in to Toad World every time you want to run the product. They are secret keys created and tied to your specific Toad World account. As a result, they should not be handed out, as that would allow other people to use the licenses that are tied to your account.

You can create as many access keys as you want, and you can revoke them at any time. You cannot reactivate an access key after you revoke it. You must create a new one.

You can create a single access key to be used by multiple devices or you can create a separate access key for each computer that will run Toad DevOps Toolkit. Best practice is to create separate keys for each computer, so that if any computer is ever compromised, you can simply revoke that key while leaving the other keys available for use.

Requirements

- The License Manager requires an active internet connection and at least Internet Explorer 9 installed on your machine. The Toad DevOps Toolkit installer performs a check to verify that this requirement is met.
- The License Manager requires a Toad World account. If you do not have an account, you can create one by clicking the link on the login page. Toad World accounts are free and allow you to get up-to-date help and information by viewing blogs, wikis and forum discussions for all Quest Software products.

Licensing options

- Commercial licenses are supplied by a Quest Software sales representative.
- Free 30-day trial licenses are available from within the License Manager application.

Run the license utility

These instructions run the License Manager utility to apply trial and commercial licenses.

To add a license and access key

1. Run the **License Manager** utility from the Toad DevOps Toolkit program folder in the Start menu. You are prompted to log into Toad World.
2. Log into Toad World using your Toad World account. The Licensing page of the utility is shown.
3. Click **Add**. The Add License dialog is shown.
4. Do one of the following:
 - To add a commercial license, select **Commercial** (the default), then enter the license and site message provided by your Quest representative or the Quest licensing team.
 - Select **30-Day Trial** to get a free, temporary trial license. No license input is required for this option.
5. Click **OK**. The license is now shown under **Your Licenses**.
6. Click **Next**. The Access Keys page is shown.
7. Click **Add**. The Key Name dialog is shown.
8. Enter a unique name for the key, then click **OK**. The License Manager adds the access key to your Toad World account and installs it for use by Toad DevOps Toolkit on the local machine. It will then appear in the Access Keys page of the management window.
9. Click **Next**. The Resources page is shown. This page provides quick access to local and online resources for Toad DevOps Toolkit as well as contact information for both support and sales.
10. Click **Next**. The Feedback page is shown. Select either **Yes** or **No** to indicate your preference on participating in the Toad DevOps Toolkit improvement program. No personal information is collected during this process. For information regarding the Quest Privacy Policy, click the **Privacy Policy** link.
11. Click **Done**.

To revoke an access key

1. Run the License Manager.
2. Log on to Toad World.
3. Select **Access Keys**.
4. Select the license that you want to revoke.
5. Click **Revoke**.

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 (see [Available features](#)), 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 invocation 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**.

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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

Third-party contributions

This product contains the following third-party components. For third-party license information, go to <https://www.quest.com/legal/license-agreements.aspx>. Source code for components marked with an asterisk (*) is available at <https://opensource.quest.com>.

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