Toad for SQL Server Editions 5.7

Installation Guide

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Installation Guide
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Toad Editions

About Toad Editions

By purchasing one of the Toad for SQL Server Editions, you have obtained not only a powerful SQL Server application development tool, but other tools to help you maintain and develop your SQL Server database applications.

This guide is an executive overview of the Toad for SQL Server Editions. It provides basic information about installing the products, including system requirements and the use of the Quest Installer. See the specific Installation Guide for each product for more information about each application, including troubleshooting information. Click here to download Toad for SQL Server 5.7 stand-alone Installation Guide.

Each Toad for SQL Server edition is packaged with additional Quest products to expand your SQL Server experience. The following editions are available:

Toad for SQL Server

- Toad for SQL Server Professional
- Toad for SQL Server Xpert
- Quest SQL Optimizer for SQL Server

Toad Development Suite for SQL Server

- Toad for SQL Server Xpert
- Quest SQL Optimizer for SQL Server
- Benchmark Factory for Databases - SQL Server Edition

Toad DBA Suite for SQL Server

- Toad for SQL Server Xpert
- Quest SQL Optimizer for SQL Server
- Benchmark Factory for Databases - SQL Server Edition
- Spotlight on SQL Server Desktop Edition
- Toad Data Modeler

Notes:

- Your license key determines the edition and will enable the functionality accordingly. In many cases, if functionality is disabled within Toad for SQL Server Editions, you may not have an appropriate license to use it. When Toad is running, you can see

which components are licensed by selecting **Help | About**.

- Toad DBA Suite for SQL Server is currently unavailable in North America.

System Requirements

Client Requirements

Before installing Toad, ensure that your client system meets the following minimum hardware and software requirements:

Platform	600 MHz minimum, 1 GHz recommended
	Requirements:
	    • Spotlight on SQL Server requires 2 GHz.
	    • Benchmark Factory requires 1 GHz.

Memory	512 MB of RAM minimum, 1 GB recommended
	Requirements:
	    • Spotlight on SQL Server requires 2 GB
	Note: The memory required may vary based on the following:
	    • Applications that are running on your system when using Toad
	    • Size and complexity of the database
	    • Amount of database activity
	    • Number of concurrent users accessing the database

Hard Disk Space	**By Toad Edition**
	    • Toad for SQL Server—174 MB
	    • Toad Development Suite for SQL Server—294 MB
	    • Toad DBA Suite for SQL Server—954 MB
	By Product
	    • Toad for SQL Server Professional, Xpert—104 MB
	    • Quest SQL Optimizer for SQL Server—30 MB
	    • Benchmark Factory for Databases – SQL Server Edition—120 MB
	    • Toad Data Modeler—200 MB minimum, 400 MB recommended
	    • Spotlight on SQL Server Desktop Edition—500 MB

Operating System	Windows Server 2003 (32-bit and 64-bit) Windows XP Professional (32-bit or 64-bit) Windows Vista (32-bit or 64-bit)

	Windows Server 2008 (32-bit or 64-bit)
	
	Windows Server 2008 R2 (64-bit)
	
	Windows 7 (32-bit or 64-bit)
	
	Requirements:
	
	    • 64-bit clients libraries require 64-bit Benchmark Factory.
	
	    • Spotlight requires Windows XP with Service Pack 2 or later.
	
	Important: Toad uses the Microsoft Distributed Transaction Coordinator (DTC) when opening a SQL file to get Full-Text Search status, but DTC is disabled by default on Windows Vista, Windows Server 2008 and Windows 7. If you are using either operating system, ensure that Network DTC access is enabled on the Toad client. See http://technet.microsoft.com/en-us/library/cc753510(WS.10).aspx for more information about enabling DTC access.

.NET Framework	Microsoft .NET Framework 3.5 (Service Pack 1)
	
	Note: The following conditions apply:
	
	    • If you have the .NET Framework 4.0 installed, you must still install the .NET Framework 3.5.
	
	    • The .NET Framework Client Profile is not supported.
	
	    • To run Toad, the .NET security policy must be set to unrestricted.
	
	Requirements:
	
	    • Quest SQL Optimizer requires Microsoft's .NET Framework 3.0 for Windows Vista, Windows 2008, and Windows 7

Additional Requirements	**Web Browser** Microsoft Internet Explorer 6.0 or later **Log Reader** The Log Reader requires version 8.0 DLL files in the Microsoft Visual C++ 2005 SP1 Redistributable Package. If these files do not exist on the client, you will need to install them to use some functionality in the Log Reader. http://www.microsoft.com/downloads/details.aspx?FamilyID=200B2FD9-AE1A-4A14-984D-389C36F85647&displaylang=en **Copy/Move Database Wizard** The SQL Server Backward Compatibility package is required to use the Copy/Move Database wizard. **PDF Viewer** Adobe Acrobat Reader 7.0 or later.

Server Requirements

Before installing Toad, ensure your system meets the following minimum hardware and software requirements:

Operating System	Windows Server 2000 Service Pack 4 or later Windows 2000 Professional Edition Service Pack 4 or later Windows XP Service Pack 2 or later (32-bit and 64-bit) Windows Server 2003 Service Pack 1 or later (32-bit or 64-bit) Windows Vista (32-bit or 64-bit) Windows Server 2008 (32-bit or 64-bit) Windows Server 2008 R2 (64-bit) Windows 7 (32-bit or 64-bit) **Exceptions:**. - Spotlight on SQL Server does not support: - Windows Server 2000 - Windows 2000 Professional
Database Server	SQL Server 2000 Service Pack 3 or later SQL Server 2005 (Service Pack 2 or later) and SQL Server 2005 Express SQL Server 2008 and SQL Server 2008 Express SQL Server 2008 R2 and SQL Server 2008 R2 Express SQL Server 2012 and SQL Server 2012 Express **Requirements and exceptions:** - SQL Server Compact Edition is not supported. - Spotlight does not support host playback on Express Editions.
Cloud Database Service	SQL Azure **Note:** To connect to SQL Azure, you must have read access to the *master* database and VIEW DEFINITION grant on the databases you want to work with. **Limitations:** Benchmark Factory provides limited support of SQL Azure.
.NET Framework	Microsoft .NET Framework 3.5 (Service Pack 1)

Virtualization Support

Application Virtualization	Toad for SQL Server: Limited testing has been performed for Citrix XenApp 5.0 support on Windows Server 2003.
	Quest SQL Optimizer was tested for Citrix support on Windows Server 2003 Enterprise Server (Service Pack 2) using the MetaFrame Presentation Server 4.0 and Citrix Presentation Server Clients 10.2.
	Toad Data Modeler has been tested for Citrix support on Windows XP using the XenApps 5.0 Server.
Desktop (VDI)	Toad for SQL Server has been tested with the following: Quest vWorkspace 7.0 running on Windows 7 Enterprise (32-bit).
	Toad Data Modeler has been tested with the following: Quest vWorkspace 7.0 running on Windows XP (32-bit).
Server	Toad Data Modeler has been tested with VMware Server 2 running on Windows 7.

Note: Toad may work in virtualization environments other than the ones in which it was tested.

User Requirements

User Requirements to Install Toad

Only Windows Administrators and Power Users can install Toad.

If an Administrator installs Toad, the Administrator can share the Toad shortcut icon on the desktop and menu items with any user—a Power User, Restricted User, Vista standard user—on the computer.

If a Power User installs Toad, a Restricted User cannot do the following:

- Associate file extensions.
- View the Toad shortcut icon on the desktop or the Toad menu options in the Windows Start menu. As a workaround, Restricted Users can create a shortcut to Toad from the install directory and place the shortcut on their desktop.

User Requirements and Restrictions for Running Toad

The following describes the requirements and restrictions for users who launch and run Toad:

- To run Toad, the .NET security policy must be set to *Unrestricted*. To modify the security policy:

1. Select **Control Panel** from the Windows **Start** menu.

2. Double-click **Administrative Tools**.

3. Double-click **Microsoft .NET Framework *version* Configuration**.

4. Select **My Computer**, and then select the **Runtime Security Policy** node.

5. Select **Evaluate Assembly** from the list of tasks in the right panel, and locate and select Toad.exe in the **File** field.

6. Click **Next** and set the permission to *Unrestricted*.

- To create or modify the QuestSoftware.ToadSecurity table to enable Toad Security, the user who maintains this table must have privileges to create, insert, update, and delete it. All other users need only the ability to read the QuestSoftware.ToadSecurity table to use Toad Security features.

Installation

Install Toad Editions

Note: Your license key determines the edition and will enable the functionality accordingly. In many cases, if functionality is disabled within Toad for SQL Server Editions, you may not have an appropriate license to use it. When Toad is running, you can see which components are licensed by selecting **Help | About**.

You can install any or all of the products that are included in your Toad edition using the Quest Installer.

Note: See the Quest Installer Release Notes for detailed information about the current version of the Quest Installer.

To install a Toad edition

1. Run the Toad edition installation program.

2. Accept the License Agreement.

3. Select the products you want to install and click **Install**.

> **Caution!** When installing Toad using Quest Installer on Windows 7 64-bit, Program Compatibility Assistant may appear with "This program might not have installed correctly" message. Select **This program installed correctly** to continue installation.

> **Note:** For more information on Bundle products or Toad components see corresponding *Installation Guides*.

Install Toad on Citrix Systems

Toad for SQL Server must be installed on the Citrix server by the Citrix administrator. Users then connect to this instance through their Citrix login.

Note: Limited testing has been performed for Citrix XenApp 5.0 support on Windows Server 2003.

To install Toad for SQL Server on a Citrix system

1. Connect to the Citrix Environment as an administrator.

2. Copy Toad for SQL Server to the Citrix server, if needed.

3. Start the Toad for SQL Server installation process.

4. During installation, select the **Anyone who uses this computer** checkbox when prompted.

5. Repeat steps 2 through 4 for each server in the Citrix farm.

   Note: Although you must install Toad for SQL Server on every server in the Citrix farm, you only need to publish Toad for SQL Server once.

6. Review the following considerations regarding licensing:

   - A license supplied by an administrator always overrides a user-supplied license in a Citrix environment.
   - If you need to provide the same Toad for SQL Server functionality to all users, you can enter the default license key for all users.
   - If you have users with different license requirements (for example, some have Standard licenses and others have Professional licenses), individual licenses should be entered for each user. You should not enter the default license key because it enables all functionality in Toad for SQL Server.

Register Toad for SQL Server

To register Toad for SQL Server

1. Select **Help | Licensing** from the menu (ALT+H+L).

2. Review the following for additional information:

Authorization key	Enter the license key for Toad for SQL Server.
Site message	Enter the site message included with the license key.

License Toad Editions

The ProductLicenses.xml file can be found in one of three locations depending upon the needs of the product. The locations are Local User, Roaming User, and All Users. By default, all Toad products save the license key information in the Local User directory. However, all edition products can read from any of the locations. These directories are defined by the operating system and vary from platform to platform. The following tables list the directory locations by operating system.

Toad Editions products store their license information in several ways:

1. Toad for SQL Server and Quest SQL Optimizer store the license files in the following directories depending on the operating system.

Platform	License Location
Windows XP, Windows 2003	C:\Documents and Settings\All Users\Application Data\Quest Software*<Product_Name>*\
Windows Vista, Windows 2008, Windows 7	C:\ProgramData\Quest Software*<Product_Name>*\

2. Benchmark Factory for Databases and Spotlight on SQL Server Desktop store the license information in ProductLicenses.xml, located in the following directories, depending on the operating systems.

Platform	License Location
Windows XP, Windows 2003	C:\Documents and Settings*<username>*\Local Settings\Application Data\Quest Software
Windows Vista, Windows 2008, Windows 7	C:\Users*<username>*\AppData\Local\Quest Software

3. Toad Data Modeler stores the license information in ProductLicenses.xml, located in the following directories, depending on the operating systems.

Platform	License Location
Windows XP, Windows 2003	C:\Documents and Settings\All Users\Application Data\{08439167-4CA5-48E9-A810-A3A7C0B80B06}\
Windows Vista, Windows 2008, Windows 7	C:\Users\All Users\{08439167-4CA5-48E9-A810-A3A7C0B80B06}\

File Format

The format of the license file consists of two elements:

- LicenseKey—This is the license key that was provided by Quest.
- SiteMessage—This is also provided by Quest, and typically contains the name of the customer and other asset information.

License Attributes for ProductLicenses.xml

The following describes the attributes for the license node:

- ProductName—This is a case-sensitive text value that is assigned by Quest to uniquely identify the product associated with the license key. ProductNames are not likely to change between versions of the product. It is recommended that you do not alter this attribute.

- ProductVersion—This is a unique identifier for a specific version of a product. It is typically only specific to the major version number (1.x). This means that all minor and patch updates are still able to use this key. However it can be specified all the way down to the build number if required by the product (1.0.0.13). Its primary purpose is to support side-by-side installations for different versions of a product.

- KeySaveDate—This is the date that the key was saved into the system. This is used internally by the product for determining key priority when more than one suitable key is found. It is interpreted as an OLE date type and is represented as a floating point number. When performing a silent installation, or manually editing the ProductLicenses.xml file, it is recommended that you omit this attribute. If this value is missing, the product automatically updates this attribute with the file's last modified date value.

Silent Installation

Install Toad Editions Silently

Silent installation provides a convenient method for deploying Toad for SQL Server Editions to multiple machines. With some customization, you can also deploy the license key and settings at the same time. To perform a silent install, extract the .msi from the Quest Installer and use this for a silent install.

Note: You do not need to install the Quest Installer on any of the computers where you are silently installing Toad products. The Quest Installer is only used to extract the required MSI files.

Extract MSI file from Quest Installer

The Quest Installer can be launched in "extraction mode," which allows you to extract the Toad for SQL Server Editions MSI installer.

To launch the Quest Installer in extract mode

1. Run Quest Installer from the command prompt and include the command-line switch "/extract".

    "*ToadInstaller.exe*" /extract

2. The Quest Installer launches in extract mode. In the Extract Location page, specify a target location for the extracted files by entering or browsing to a directory.

3. In the Product Selection page, select the products that you want to extract.

4. Click **Extract** to extract the files.

    The Finish page has a link to the directory into which the files were extracted and a link to the log file for the extraction process (Readme.txt). The extraction log contains verification of the files that have been extracted along with the command-line switches required for performing the default installation. You must run the installers in the order specified.

Install Toad for SQL Server Silently

Silent Installation Prerequisites

Before you perform a silent installation, you must install the following software on every computer where you are installing Toad for SQL Server:

- Microsoft .NET Framework 3.5 (Service Pack 1)

Silent Installation Using the Microsoft Installer

You can create a Microsoft transform (.mst) file that deploys the license key, custom settings, and connections for users when performing a silent install using the .msi file. You can also use the .msi file to perform a basic silent install using the default directory or can install to a different directory and specify command-line options and default installation overrides. See "Perform Silent Installation Using MSI" (page 18) for more information if you are not creating a transform file.

Note: (MSI installs on Windows Vista and 7) If you are using MSI to install Toad on Windows Vista or 7 with UAC enabled, you can install a file that adds a "Run as administrator" option when right-clicking the MSI file: http://www.symantec.com/connect/downloads/msi-run-administrator-context-menu-vista

Create Transform (MST) Files

The following procedure uses the Wise Installer to create the transform file.

To create a transform file that includes custom Toad settings

1. Save and install the *ToadInstaller.msi* file on a computer where the Wise for Windows Installer is installed. After customizing Toad settings, you will use the Wise Installer to create the transform file.

2. Open Notepad, and do the following:

    a. Enter the license key in the first line.

    b. Enter the site message in the second line. The file should look similar to the following:

        AAABBBBCCCCCCEDXDWLMV0WJ9-123-45678-B2

        Quest Software

    c. Save the file with **license.key** as the file name in the Toad install directory. Make sure the file extension is *.key* not .txt.

3. Launch Toad. The application should open without prompting you to enter a license key.

4. Select **Tools | Configuration Wizard** from the Toad menu and complete the

Configuration wizard. This wizard creates an initial settings file (Settings.xml).

5. Select **Tools | Options** from the menu in Toad to open the Options window.

6. Select each page in the window and set any options you want to deploy. These options create a module settings folder and files.

7. Select **View | Connection Manager** from the menu in Toad to open the Connection Manager.

8. Create any connections you want to deploy.

9. Exit Toad. Upon exiting, a Connections file is created.

10. Create the Microsoft Transform file, using any appropriate tool. The following steps describe how to use the Wise for Windows Installer to create the file:

    a. Select **File | New**.

    b. Select *Custom Templates* under **Categories**, and then select the *Transform* template in the New Installation File window.

    c. Select the ToadInstaller.msi file in the Select the .MSI file to base this transform on window.

    d. Save the project.

    e. Select *Files* from the Feature Details view.

    f. Locate the following files and click **Add** to add them to the project:

File to Add	Location
Settings.xml	This file is located in the following directory: C:\Documents and Settings*username*\Application Data\Quest Software\ Toad for SQL Server Editions 5.7.
ModuleSettings folder and files	This folder and related files are located in the following directory: C:\Documents and Settings*username*\Application Data\Quest Software\ Toad for SQL Server Editions 5.7\ModuleSettings.
Connections.xml	This file is located in the following directory: C:\Documents and Settings*username*\Application Data\Quest Software\Toad for SQL Server Editions 5.7.

    g. Save the project and compile it to create the transform (MST) file.

11. Perform a silent install. See "Perform Silent Installation Using MSI" (page 18) for more information.

Perform Silent Installation Using MSI

To perform a silent install using msi

1. Extract the MSI from the Quest Installer. See "Install Toad Editions Silently" (page 15) for more information.

2. At a Windows command prompt, switch to the drive or directory where the msi installer for Toad is located.

3. For a standard installation with all features enabled, enter the following command:

```
"ToadInstaller.msi" /q
```

You can customize command-line options and overrides for your installation similar to the following:

```
msiexec /i "ToadInstaller.msi" INSTALLDIR= "Drive:\your_install_
path" /q USERNAME="some_user" COMPANYNAME="your_company"
ApplicationUsers="AllUsers"
```

Command-Line Options

The following MSIEXEC command-line options are used in this example:

Option	Description
/i	Run the installation.
/q	Specify the user interface (UI) that displays during installation. You can append other options, such as *n* to hide the UI or *b* to hide the Cancel button during the installation.
Note: All command-line options are case-insensitive. See http://msdn2.microsoft.com/en-us/library/aa367988.aspx for a complete list of command-line options.	

Toad for SQL Server Default Installation Option Overrides

You can specify the following values to override Toad for SQL Server's default installation options. Enclose each value in double quotations.

Option	Description
INSTALLDIR	(Optional) Specify the absolute path for the directory in which you want to install Toad for SQL Server. If you do not include this path, the installation program defaults to: C:\Program Files\Quest Software\Toad for SQL Server Editions 5.7.
ALLUSERS	(Optional) Specify one of the following:

Option	Description
	• For a per-machine installation, specify *1*. This value allows any user to use the Toad for SQL Server shortcut on the desktop after the installation completes. • For a per-user installation, enter the empty string value (*""*) This value allows only the user specified for USERNAME (and the user that installed Toad for SQL Server) to see the Toad for SQL Server shortcut on the target desktop. If USERNAME is omitted, only the user that installed Toad for SQL Server sees the shortcut. **Note:** If you do not specify this property, the installation program defaults to a per-user installation.
USERNAME	(Optional) Specify the user that intends to use Toad for SQL Server on the target computer. **Notes:** • If ALLUSERS is omitted or defined with the empty string value (*""*), only the user specified here (and the user that installed Toad for SQL Server) can see the Toad for SQL Server shortcut on the desktop after the installation completes. • If ALLUSERS is omitted or defined with the empty string value (*""*) *and* you omit the USERNAME option, only the user that installed Toad for SQL Server sees the Toad for SQL Server shortcut on the desktop. • If ALLUSERS is *1*, the USERNAME value is ignored during installation.
COMPANYNAME	(Optional) Specify the name of the company that owns this installation.

Notes:

- All default installation option overrides are case-sensitive.
- Enclose all values (except for the ALLUSERS value) in double quotations.

Install Patches Silently

If you already have Toad installed and want to upgrade silently, you must include `REINSTALLMODE=vo REINSTALL=ALL` in the command. If these parameters are not included,

the MSI registers that Toad is already installed and does not upgrade it.

For example, if you are currently in the directory where the MSI resides, entering the following command installs to the standard location:

```
msiexec.exe /i <path to msi file\ToadforSQLServer<version>SetupFull.msi>
REINSTALLMODE=vo REINSTALL=ALL
```

You can also set additional parameters or run the MSI from a location other than the active directory. For example:

```
msiexec /i "C:\Documents and Settings\johndoe\desktop\
ToadforSQLServerSetupFull.msi REINSTALLMODE=vo REINSTALL=ALL
INSTALLDIR="C:\Programs\Quest Software\Toad for SQL Server 5.7\" /q /l*v
"C:\install.log"
```

Uninstall Toad Silently

To uninstall Toad silently

  » Enter a command similar to the following:

    ```
    msiexec /x "<path to msi file\ToadforSQlServer_
    version.SetupFull.msi>" /q
    ```

Install Bundle Products Silently

Install Quest SQL Optimizer Silently

To silently install Quest SQL Optimizer for SQL Server in the default directory

  1. Extract the MSI from the Quest Installer. See "Install Toad Editions Silently" (page 15) for more information.

  2. Enter the following command:

    ```
    msiexec./i "path to msi file\QuestSQLOptimizer_SQLServer_
    <version>.msi " /qn
    ```

    where

    /i = install

    /qn = quiet, no UI

To silently install SQL Optimizer in the alternative directory

  1. Extract the MSI from the Quest Installer. See "Install Toad Editions Silently" (page 15) for more information.

  2. Enter the following command:

```
msiexec /i "path to msi file\QuestSQLOptimizer_SQLServer_
<version>.msi"/qn TARGETDIR="<InstallDir>"
```

Install Spotlight Silently

Spotlight on SQL Server cannot be installed silently.

Install Benchmark Factory Silently

To install Benchmark Factory silently

1. Extract the MSI from the Quest Installer. See "Install Toad Editions Silently" (page 15) for more information.

2. Enter the following command:

   ```
   msiexec.exe /i "<path to msi file\BenchmarkFactory_version.msi>" /qn
   INSTALLDIR="<destination directory>"
   ```

   Where *version* is the full version, including the build number (for example, 6.0.0.147).

Install Toad Data Modeler Silently

To install Toad Data Modeler silently

1. Extract the MSI from the Quest Installer. See "Install Toad Editions Silently" (page 15) for more information.

2. Enter the following command:

   ```
   setup.msi /q INSTALLDIR="C:\Program Files\Quest Software\Toad Data
   Modeler version\"
   ```

   The argument for the silent installation from a command-line is "/q". To specify a directory where Toad Data Modeler should be installed, use INSTALLDIR="PATH". (Otherwise, the default path is used.)

   To specify the database platform where you want to install Toad Data Modeler or which shortcuts should be created and where, use the ADDLOCAL parameter. If this parameter is not used, a default installation is performed.

   Example:

   ```
   setup.msi /q INSTALLDIR="C:\Program Files\Quest Software\Toad Data
   Modeler
   version
   \ADDLOCAL=Complete,XPMANIFEST,SUPPORTDATABASES,SHORTCUTUNINSTALL,
   SHORTCUTDESKTOP,SHORTCUTSTARTMENU,SHORTCUTQUICKLAUNCH,SHORTCUTHELP,
   POSTGRESQL,POSTGRESQL81,POSTGRESQL82
   ```

If you use the ADDLOCAL parameter, always select the Complete, XPMANIFEST, and SUPPORTDATABASES options. These options are required for the correct installation.

When installing support for a particular database platform, you must install basic support for the selected database platform.

Shortcuts

You can use the following to create shortcuts when installing silently:

Command	Description
SHORTCUTUNINSTALL	Creates a shortcut for uninstall in the Start menu.
SHORTCUTDESKTOP	Creates a shortcut for Toad Data Modeler on the desktop.
SHORTCUTSTARTMENU	Creates a shortcut for Toad Data Modeler in the Start menu.
SHORTCUTQUICKLAUNCH	Creates a shortcut for Toad Data Modeler in the Quick Launch bar.
SHORTCUTHELP	Creates a shortcut for the Help file, User Manual, and Reference Guide in the Start menu.

Tip: Other parameters for silent installs can be found if you enter the "setup.msi ?" command.

Parameters for Silent Installations

The following parameters are available for a silent installation:

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: - p—Reinstalls only if a file is missing. - o—Reinstalls if a file is missing or an older version is installed. - e—Reinstalls if a file is missing or an equal or older version is installed.

Option	Parameter	Description
		• d—Reinstalls if a file is missing or a different version is installed. • 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. • a—Forces all files to be reinstalled. • u—Rewrites all required, user-specific registry entries. • m—Rewrites all required, computer-specific registry entries. • s—Overwrites all existing shortcuts. • v—Runs from source and re-caches the local package. Do not use this option for the initial installation of the product or feature.
/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: • i—Status messages. • w—Nonfatal warnings. • e—All error messages. • a—Start up of actions. • r—Action-specific records. • u—User requests. • c—Initial UI parameters. • m—Out-of-memory or fatal exit information. • o—Out-of-disk-space messages.

Option	Parameter	Description
		• p—Terminal properties. • v—Verbose output. • x—Extra debugging information. Only available on Windows Server 2003. • +—Append to existing file. • !—Flush each line to the log. • "*"—Log all information except for the v and x options. To include the v and x options, enter "/l*vx".
/q	n|b|r|f	Sets the user interface level. Review the following options: • q, qn—No UI • qb—Basic UI. Use qb! to hide the Cancel button. • qr—Reduced UI with no modal dialog box displayed at the end of the installation. • qf—Full UI and any authored FatalError, UserExit, or Exit modal dialog boxes at the end. • qn+—No UI except for a modal dialog box displayed at the end. • 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. • 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. **Note:** The ! option is available with Windows Installer 2.0 and works only with basic UI. It is not valid with the full UI.

Appendix: Contact Quest

Contact Quest Support

Quest Support is available to customers who have a trial version of a Quest product or who have purchased a Quest product and have a valid maintenance contract. Quest Support provides unlimited 24x7 access to our Support Portal at www.quest.com/support.

From our Support Portal, you can do the following:

- Retrieve thousands of solutions from our online Knowledge Base
- Download the latest releases and service packs
- Create, update and review Support cases

View the *Global Support Guide* for a detailed explanation of support programs, online services, contact information, policies and procedures. The guide is available at: www.quest.com/support.

Toad Community

Get the latest product information, find helpful resources, and join a discussion with the Toad for SQL Server Editions team and other community members. Join the Toad for SQL Server Editions community at http://toadforsqlserver.com/index.jspa

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See our web site for regional and international office information.

About Quest Software

Quest Software simplifies and reduces the cost of managing IT for more than 100,000 customers worldwide. Our innovative solutions make solving the toughest IT management problems easier, enabling customers to save time and money across physical, virtual and cloud environments. For more information about Quest go to www.quest.com.

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