

Tool hilft bei Problemen mit .NET

Dotnetfx Cleanup - .NET Framework sauber entfernen

Von [Christian Vilsbeck](#)

25.05.2010 (publiziert)



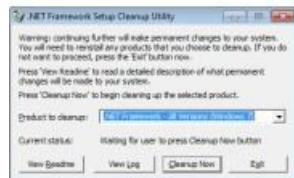
- [Diesen Artikel hinzufügen](#) [IT-eBook öffnen](#) 



Microsofts **.NET Framework** wird von vielen Anwendungen benötigt und in verschiedenen Versionen gleich mitinstalliert. Wenn es zu Problemen kommt oder die Deinstallation sowie ein Update von .NET nicht funktioniert, dann hilft das kostenlose Tool **Dotnetfx Cleanup**.

Funktionalität: Normalerweise sollte sich [Microsofts .NET Framework](#) über die Systemsteuerung von [Windows](#) problemlos deinstallieren lassen. Auch das Update auf neuere Versionen funktioniert in der Regel. Manchmal kann es aber zu Konflikten und Fehlermeldungen bei diesen Vorgängen kommen – insbesondere wenn verschiedene Versionen durcheinander installiert sind und gemeinsam genutzte Dateien überschrieben werden.

Lässt sich dann über den herkömmlichen Weg das **.NET Framework** weder aktualisieren noch deinstallieren, so muss es auf anderem Weg vom System entfernt werden – eine Neuinstallation von Windows wäre eine zu aufwendige Option. Der Microsoft-Entwickler Aaron Stebner bietet für diesen Fall mit [Dotnetfx Cleanup](#) ein kostenloses Tool zum Entfernen von **.NET-Framework**-Installationen an. **Dotnetfx Cleanup** entfernt alle **.NET Frameworks** ab der Version 1.0 – inklusive der aktuellen Version 4.0.



Bei .NET Framework Problemen: Funktioniert die normale Deinstallation oder ein Upgrade des Frameworks nicht, dann hilft das Tool Dotnetfx Cleanup.

Installation: [Dotnetfx Cleanup](#) lässt sich als ausführbares Programm ohne Installation direkt unter Windows starten.

Bedienung: Nachdem dem Start des Tools wählen Sie nach *Product to cleanup* den Eintrag **.Net Framework – All Versions** und klicken auf **Cleanup Now**. Alternativ können Sie auch nur eine bestimmte Version deinstallieren. Beachten Sie aber, dass das Tool auch Dateien löscht, die von allen **.NET Frameworks** gemeinsam genutzt werden. Am besten deinstallieren Sie also alle Versionen und spielen dann ein aktuelles **.NET Framework** neu auf Ihr System.

Dotnetfx Cleanup deinstalliert keine **.NET Frameworks**, die bereits standardmäßig bei der Betriebssysteminstallation integriert sind. So kann es beispielsweise bei Windows [Server 2003](#) nicht das enthaltene **.NET Framework 1.1** deinstallieren.

Alternativ bietet **Dotnetfx Cleanup** auch einen Kommandozeilenmodus an. Die entsprechenden Befehle sind in der readme.txt der zum Download zur Verfügung stehenden [zip-Datei des Tools](#) beschrieben.

Fazit: Ein nützliches Tool, wenn es Probleme beim deinstallieren oder aktualisieren von **.NET Framework** gibt.

Dotnetfx Cleanup

Version:	Build 29-04-2010
Hersteller:	Aaron Stebner
Download Link:	Anbieterseite
Sprache:	Englisch
Preis:	Freeware
System:	Windows 2000/2003/2008/XP/Vista/7
Alternativen:	--

.NET Framework Cleanup Tool User's Guide

Introduction

This **.NET Framework cleanup** tool is designed to automatically perform a set of steps to remove selected versions of the **.NET Framework** from a computer. It will remove files, directories, registry keys and values and Windows Installer product registration information for the **.NET Framework**. The tool is intended primarily to return your system to a known (relatively clean) state in case you are encountering **.NET Framework** installation, uninstallation, repair or patching errors so that you can try to install again.

There are a couple of **very important caveats** that you should review before using this tool to remove any version of the **.NET Framework** from your system:

- This tool is designed as a last resort for cases where install, uninstall, repair or patch installation did not succeed for unusual reasons. It is not a substitute for the standard uninstall procedure. You should try the steps listed in [this blog post](#) before using this cleanup tool.
- This cleanup tool will delete shared files and registry keys used by other versions of the **.NET Framework**. If you run the cleanup tool, you will need to perform a repair/re-install for all other versions of the **.NET Framework** that are on your computer or they will not work correctly afterwards.

Download location

The **.NET Framework cleanup tool** is available for download at the following locations:

- http://cid-27e6a35d1a492af7.skydrive.live.com/self.aspx/Blog_Tools/dotnetfx_cleanup_tool.zip
- http://blogs.msdn.com/cfs-file.ashx/_key/CommunityServer-Components-PostAttachments/00-08-90-44-93/dotnetfx_5F00_cleanup_5F00_tool.zip

The .zip file that contains the tool also contains a file named history.txt that lists when the most recent version of the tool was published and what changes have been made to the tool over time.

Supported products

The **.NET Framework cleanup tool** supports removing the following products:

- **.NET Framework - All Versions**

- .NET Framework - All Versions (Tablet PC and Media Center)
- .NET Framework - All Versions (Windows Server 2003)
- .NET Framework - All Versions (Windows Vista and Windows Server 2008)
- .NET Framework 1.0
- .NET Framework 1.1
- .NET Framework 2.0
- .NET Framework 3.0
- .NET Framework 3.5
- .NET Framework 4

Not all of the above products will appear in the UI for the **.NET Framework cleanup tool** on every operating system. The cleanup tool contains logic so that if it is run on an OS version that includes the **.NET Framework** as an OS component, it will not offer the option to clean it up.

This means that running the cleanup tool on **Windows XP Media Center Edition** or **Tablet PC Edition** will not offer the option to clean up the **.NET Framework 1.0**, running it on **Windows Server 2003** will not offer the option to clean up the **.NET Framework 1.1** and running it on Windows Vista or **Windows Server 2008** will not offer the option to clean up the **.NET Framework 2.0** or the **.NET Framework 3.0**.

When choosing to remove any of the above versions of the **.NET Framework**, the cleanup tool will also remove any associated hotfixes and service packs. You do not need to run any separate steps to remove the service pack(s) for a version of the **.NET Framework**.

Silent installation mode

The **.NET Framework cleanup tool** supports running in silent mode. In this mode, the tool will run without showing any UI, and the user must pass in a version of the **.NET Framework** to remove as a command line parameter. To run the cleanup tool in **silent mode**, you need to download the cleanup tool, extract the file `cleanup_tool.exe` from the zip file, and then run it using syntax like the following:

```
cleanup_tool.exe /q:a /c:"cleanup.exe /p <name of product to remove>"
```

The value that you pass with the */p switch to replace <name of product to remove>* in this example must exactly match one of the products listed in the **Supported products** section above. For example, if you would like to run the cleanup tool in silent mode and remove the **.NET Framework 1.1**, you would use a command line like the following:

```
cleanup_tool.exe /q:a /c:"cleanup.exe /p .NET Framework 1.1"
```

One important note – as indicated above, the cleanup tool will not allow you to remove a version of the **.NET Framework** that is installed as part of the OS it is running on. That means that even if you try this example command line on **Windows Server 2003**, the tool will exit with a failure return code and not allow you to remove the **.NET Framework 1.1** because it is a part of that OS.

Similarly, you cannot use the cleanup tool to remove the **.NET Framework 1.0** from **Windows XP Media Center Edition** or **Windows XP Tablet PC Edition** or remove the **.NET Framework 2.0 or 3.0** from **Windows Vista** or **Windows Server 2008**.

In addition, if you run the cleanup tool on an OS that has any edition of the **.NET Framework installed** as a part of the OS, it will prevent you from using the **.NET Framework - All Versions** option because there is at least one version that it cannot remove.

If you are planning to run the cleanup tool in silent mode, you need to make sure to detect what OS it is running on and not pass in a version of the **.NET Framework** with the */p switch* that is a part of the OS or make sure that you know how to handle the failure exit code that you will get back from the cleanup tool in that type of scenario.

Unattended installation mode

The **.NET Framework cleanup** tool supports running in silent mode. In this mode, the tool will run and only show a progress dialog during removal, but will require no user interaction. Unattended mode requires the user to pass in a version of the **.NET Framework** to remove as a command line parameter.

To run the cleanup tool in **unattended mode**, you need to download the cleanup tool, extract the file *cleanup_tool.exe* from the *zip file*, and then run it using syntax like the following:

```
cleanup_tool.exe /q:a /c:"cleanup.exe /p <name of product to remove> /u"
```

For example, if you would like to run the cleanup tool in unattended mode and remove the **.NET Framework 1.1**, you would use a command line like the following:

```
cleanup_tool.exe /q:a /c:"cleanup.exe /p .NET Framework 1.1 /u"
```

Exit codes

The cleanup tool can return the following exit codes:

- 0 cleanup completed successfully for the specified product
- 3010 cleanup completed successfully for the specified product and a reboot is required to complete the cleanup process
- 1 cleanup tool requires administrative privileges on the machine
- 2 the required file cleanup.ini was not found in the same path as cleanup.exe
- 3 a product name was passed in that cannot be removed because it is a part of the OS on the system that the cleanup tool is running on
- 4 a product name was passed in that does not exist in cleanup.ini
- 100 cleanup was able to start but failed during the cleanup process
- 1602 cleanup was cancelled

Log files

The cleanup tool creates the following log files:

- *%temp%\cleanup_main.log* - a log of all activity during each run of the cleanup tool; this is a superset of the logs listed below as well as some additional information
- *%temp%\cleanup_actions.log* - a log of actions taken during removal of each product; it will list files that it finds and removes, product codes it tries to remove, registry entries it tries to remove, etc.
- *%temp%\cleanup_errors.log* - a log of errors and warnings encountered during each run of the cleanup tool



Attachment: [dotnetfx_cleanup_tool.zip](#)