

3 ways to check the version of Microsoft .NET Framework on Windows 10

The following article will introduce you 3 ways to check the version of Microsoft .NET Framework on Windows 10. Stay tuned!

Sometimes you will want to learn about the parameters of the computer or laptop you are using, including the Microsoft .NET Framework. Today we will learn how to test it!

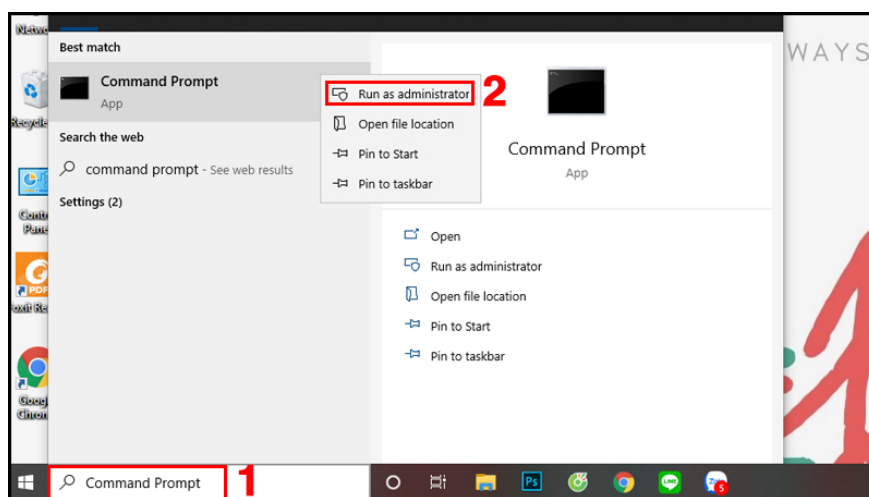
What is Microsoft .NET Framework?

The .NET Framework is a programming and application execution platform primarily on the Microsoft Windows operating system. It includes a set of programming libraries such as interface programming; access, connect to the database; web application; algorithms, data structures; network communication .

1. Use Command Prompt

You can check by Command Prompt through the following steps:

Press **Windows + S** key combination > Right-click at **Command Prompt** > Select **Run as administrator** .



Type the following command line and press **Enter** to test:

```
reg query 'HKLM\SOFTWARE\Microsoft\NET Framework Setup\NDP' /s
```

```
Administrator: Command Prompt
Microsoft Windows [Version 10.0.19041.804]
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C:\WINDOWS\system32>reg query "HKLM\SOFTWARE\Microsoft\Net Framework Setup\NDP" /s 1
HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Net Framework Setup\NDP\CDF
HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Net Framework Setup\NDP\CDF\v4.0
HttpNamespaceReservationInstalled REG_DWORD 0x1
NetTcpPortSharingInstalled REG_DWORD 0x1
NonHttpActivationInstalled REG_DWORD 0x1
SMsvchostPath REG_SZ C:\Windows\Microsoft.NET\Framework64\v4.0.30319\
WMIInstalled REG_DWORD 0x1

HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Net Framework Setup\NDP\v4
HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Net Framework Setup\NDP\v4\Client
CBS REG_DWORD 0x1
Install REG_DWORD 0x1
InstallPath REG_SZ C:\Windows\Microsoft.NET\Framework64\v4.0.30319\
Release REG_DWORD 0x80ff4
Servicing REG_DWORD 0x0
TargetVersion REG_SZ 4.0.0
Version REG_SZ 4.8.04084 2
HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Net Framework Setup\NDP\v4\Client\1033
CBS REG_DWORD 0x1
```

If you want to check if version 4.x is installed, you can use this variant of this command:

```
reg query 'HKLM\SOFTWARE\Microsoft\Net Framework Setup\NDP\v4' /s
```

```
Administrator: Command Prompt
Microsoft Windows [Version 10.0.19041.804]
(c) 2020 Microsoft Corporation. All rights reserved.

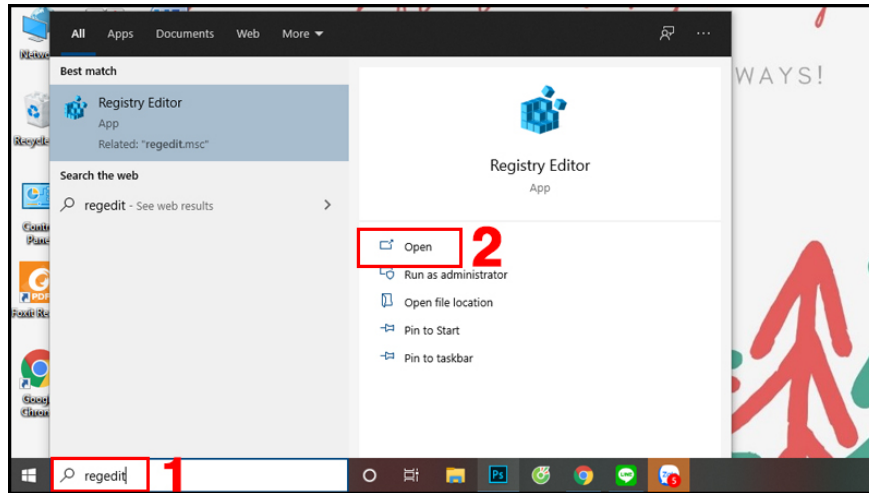
C:\WINDOWS\system32>reg query "HKLM\SOFTWARE\Microsoft\Net Framework Setup\NDP\v4" /s 1
HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Net Framework Setup\NDP\v4\Client
CBS REG_DWORD 0x1
Install REG_DWORD 0x1
InstallPath REG_SZ C:\Windows\Microsoft.NET\Framework64\v4.0.30319\
Release REG_DWORD 0x80ff4
Servicing REG_DWORD 0x0
TargetVersion REG_SZ 4.0.0
Version REG_SZ 4.8.04084 2
HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Net Framework Setup\NDP\v4\Client\1033
CBS REG_DWORD 0x1
Install REG_DWORD 0x1
Release REG_DWORD 0x80ff4
Servicing REG_DWORD 0x0
TargetVersion REG_SZ 4.0.0
Version REG_SZ 4.8.04084
HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Net Framework Setup\NDP\v4\Full
CBS REG_DWORD 0x1
Install REG_DWORD 0x1
InstallPath REG_SZ C:\Windows\Microsoft.NET\Framework64\v4.0.30319\
Release REG_DWORD 0x80ff4
```

Then check at the **Version** section .

2. Use the Registry

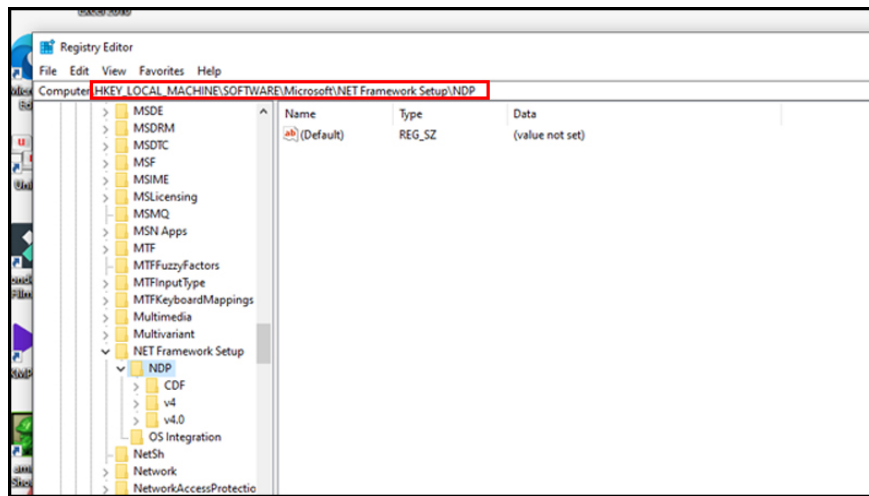
You can also apply the following:

Press **Windows + S** key combination > Enter **"regedit"** > Select **Open**.

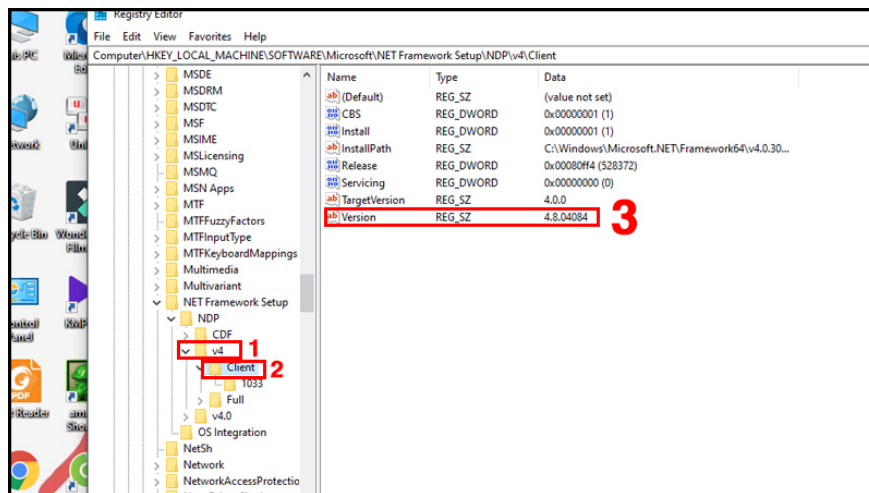


Copy and paste the following path into the Registry's address bar and press **Enter** .

HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\NET Framework Setup\NDP



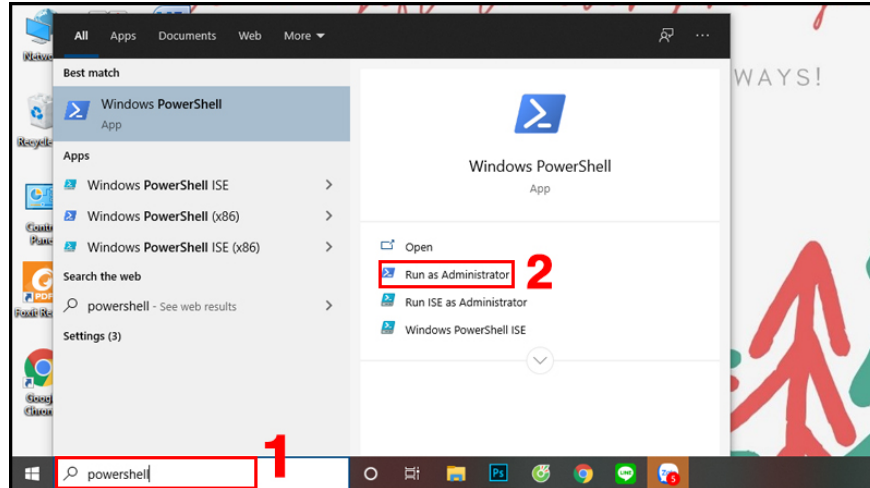
Select the main version item (eg v4)> Select **Client** .



Under **Version** , you can check your Microsoft .NET Framework version.

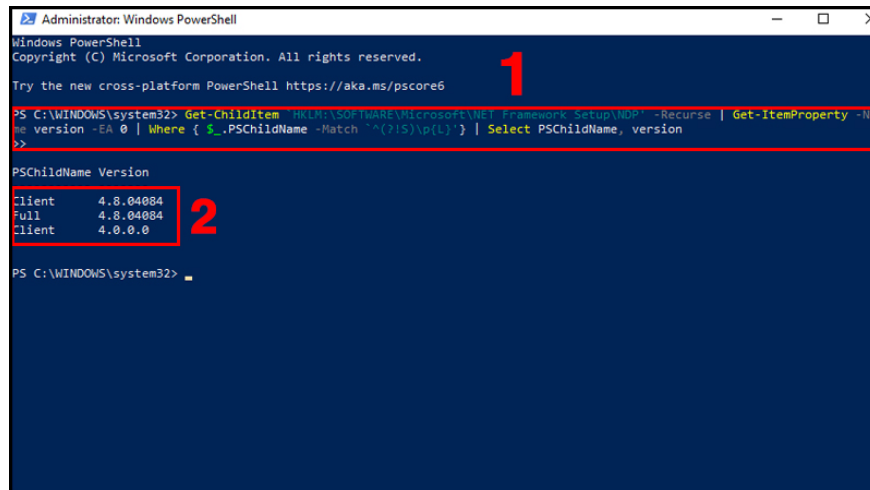
3. Use PowerShell

Similar to the above methods, press the key combination **Windows + S** > Enter "**powershell**" > Select **Run as Administrator** .



Then type the following command and press **Enter** to test:

```
Get-ChildItem 'HKLM:\SOFTWARE\Microsoft\NET Framework Setup\NDP' -Recurse | Get-ItemProperty -Name version -EA 0 | Where { $_.PSChildName -Match "(?i)^(v|v|v)" } | Select PSChildName, version
```



The screen will show the updated versions of Microsoft .NET Framework on your computer.

Above is the article about 3 ways to check the version of Microsoft .NET Framework on Windows 10. Thank you for watching and please look forward to the next article!

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