How can I update npm on Windows?

Asked 5 years, 11 months ago Active 6 months ago Viewed 1.0m times



I tried this:

602

sudo npm cache clean -f
sudo npm install -g n
sudo n stable



...but it didn't work.

380

How do I do this on Windows?

windows node.js npm package-managers

edited Jan 12 '18 at 15:28

user568458

17.7k 12 73 99

asked Aug 23 '13 at 21:26

Jatin 6 574

6,574 12 39 67

locked by Samuel Liew • Jun 26 '18 at 23:54

This question's answers are a collaborative effort. If you see something that can be improved, just edit the answer to improve it! *No additional answers can be added here.*

Read more about locked posts here.

- The usual procedure for updating software that doesn't have built-in autoupdaters is to download and install the latest version. Have you tried that? JJJ Aug 23 '13 at 21:29
- 9 @Juhana I was thinking maybe there was some way to do it via npm as mentioned in that link. Jatin Aug 24 '13 at 6:23
- 1 You can do it with Chocolatey. See my answer here for more info: <u>stackoverflow.com/a/19915418/373655</u> rob Apr 15 '14 at 18:08

sudo does not work on Windows... – Blairg23 Sep 7 '16 at 20:11

29 Answers



This is the new best way to upgrade npm on Windows.

1741

Run PowerShell as Administrator



Set-ExecutionPolicy Unrestricted -Scope CurrentUser -Force npm install -g npm-windows-upgrade npm-windows-upgrade



Note: Do not run <code>npm i -g npm</code>. Instead use <code>npm-windows-upgrade</code> to update npm going forward. Also if you run the NodeJS installer, it will replace the node version.

- Upgrades npm in-place, where node installed it.
- Easy updating, update to the latest by running npm-windows-upgrade -p -v latest.

Dana and anadifer than defectly and the

- Allows easy upgrades and downgrades.
- Officially recommended by the NPM team.
- A list of versions matched between NPM and NODE (https://nodejs.org/en/download/releases/) but you will need to download NODE INSTALLER and run that to update node (https://nodejs.org/en/)

edited Aug 18 '17 at 18:56



user34612

answered Jul 20 '15 at 15:37



Robert Baker 18.1k 1 15

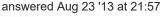
- 7 Was having issues getting mine to upgrade, this script worked perfectly. Thanks. atom0s Aug 5 '15 at 22:21
- 6 Microsoft recommends using this in their <u>nodejs-guidlines repo on github</u>. It also suggests tools for managing node versions. Christopher Currens Dec 11 '15 at 21:51
- This worked great for npm. thought I would mention, as the question itself is for updating node and npm, that to get both updated I had to uninstall / reinstall node, and run this upgrader as well (not sure if the node installer would have done it by itself as I did the upgrader first) edencorbin Mar 2 '16 at 12:49
- 97 and what about node itself? jenson-button-event Dec 11 '16 at 9:29
- 13 I followed the instruction, but when running "npm-windows-upgrade" I get the following error: npm-windows-upgrade: The term 'npm-windows-upgrade' is not recognized as the name of a cmdlet, function, script file, or operable program. Check the spelling of the name, or if a path was included, verify that the path is correct and try again. Ben Carp Sep 24 '18 at 16:10



<u>Download</u> and run the latest MSI. The MSI will update your installed node and npm.

575

edited Jan 19 '16 at 16:27





josh3736

109k 22 181 232

- Note 32 and 64 bit MSIs. Do not just click on "Windows Installer" link that's 32 bit. Check where your current nodejs resides, in "Program Files" or on "Program Files (x86)". The "x86" means 32-bit. See the comments below about "old version was installed in a different directory". tivnet Aug 6 '14 at 21:04
- 47 As of now (November 2014) this is will get you the latest node (0.10.33) but not the latest npm -- you will get npm 1.4.28. To update to a modern (2.x.x) npm on Windows, follow the instructions here: github.com/npm/npm/wiki/Troubleshooting#upgrading-on-windows Sam Mikes Nov 13 '14 at 12:17

(Feb 2018; it must have gotten easier!) I've been working with Node and npm for a couple years. I get Node msi's from nodejs.org. Each msi I've used has upgraded from an older Node version without complaint or notice. Recent Node msi's have included an npm, though sometimes an old npm.

docs.npmjs.com/troubleshooting/... says npm install -g npm works. I've done it; I haven't had difficulty. Very recently, I upgraded Node and got the current npm, too. – BaldEagle Feb 6 '18 at 7:19



To update NPM, this worked for me:



- Navigate in your shell to your node installation directory, eg C:\Program Files (x86)\nodejs
- run npm install npm (no -g option)



edited Apr 1 '15 at 7:11

Gal Margalit 3,183 3 35

answered Dec 13 '14 at 22:05



meetar

4,861 4 33 62

- This is actually one of the recommended approaches on Windows: <u>github.com/npm/npm/wiki/Troubleshooting#upgrading-on-windows</u> grenade Jan 6 '15 at 12:01
- 3 This worked for me after I had updated node via the accepted answer. Jamie Hutber Feb 1 '15 at 22:49
- 12 this doesnt update node meffect Apr 2 '15 at 0:25
- 13 does not work, throws a bunch of errors singe3 Jun 26 '15 at 8:18
- 19 I needed to use npm install npm@latest TryingToImprove Feb 16 '16 at 22:14



Like some people, I needed to combine multiple answers, and I also needed to set a proxy.

66

This *should* work for anyone. I have zero desire to run an EXE file or MSI file .. uninstall/ reinstall, or manually delete files and folders. That is so 1999:P



1. Run this to update NPM:

Run PowerShell as administrator

I am *not* thinking this code actually upgrades your npm version below

```
Set-ExecutionPolicy Unrestricted -Scope CurrentUser -Force
npm install -g npm-windows-upgrade
npm-windows-upgrade

(courtesy of "Robert" answer)
```

Run this to update Node.js:

```
wget https://nodejs.org/download/release/latest/win-x64/node.exe -OutFile 'C:\Program Files (x86)\nodejs\node.exe' (courtesy of BrunoLM answer)
```

If you get `wget: Could not find a part of the path "**, see below ...scroll down. Reading Web Response... It's at least punching through the firewall /proxy (if you have one or have already ran the code get through ...

Otherwise

You might need to set your proxy

```
npm config set proxy "http://proxy.yourcorp.com:811" (yes, use quotes)
```

2 possible errors

1. It cannot find path of the path solution "where.exe node" (courtesy of Lonnie Best Answer)

E.g. if Node.js is NOT living in "Program Files (x86)" perhaps with where.exe, it is living in 'C:\Program Files\nodejs\node.exe'.

```
\label{lem:wget} $$ wget $$ https://nodejs.org/download/release/latest/win-x64/node.exe -OutFile 'C:\Program Files\nodejs\node.exe' $$
```

- 2. Now perhaps it tries to upgrade but you get another error, "node.exe is being used by another process."
 - Close /shutdown other consoles .. command prompts and PowerShell windows, etc. Even if you're using npm in a command prompt, close it.

```
npm -v (3.10.8)
```

edited Feb 8 at 18:36

answered Sep 20 '16 at 19:49



Tom Stickel

3.7k 6 91 98

- 5 thanks.. npm i -g npm...worked for me arn-arn Mar 30 '17 at 18:29
- 1 My node is in c:\Program Files\nodejs malix Aug 24 '17 at 14:43
- 1 This is the only answer that could still work (others looks pretty old and deprecated) and thanks god it works. omer.ersoy Jan 4 '18 at 14:20

After deleted previous version of nodejs instance (like from program files, user data etc). It was giving me error like a previous version of nodejs is already install when i was trying to install 8.x version of nodejs. It solved my problem. – No one Mar 14 '18 at 13:56



You can use Chocolatey which is a package manager for windows (like apt-get for Debian Linux).

Install fresh (you might need to uninstall previously installed versions)



> choco install nodejs

Update to the latest version

> choco update nodejs

and for npm

> choco update npm

answered Oct 5 '14 at 7:42



7 choco update npm is deprecated. Use npm-windows-upgrade to update npm. <u>github.com/felixrieseberg/npm-windows-upgrade</u> – Robert Baker Mar 7 '16 at 22:43

Followed this advice and chocolatey installed an incredibly old version of npm which overrode my slightly-old version, causing very bad things to happen. – uglycoyote Jul 5 '17 at 4:55



You can update your npm to the latest stable version with the following command:

42

npm install npm@latest -g



Use PowerShell to run it. This command doesn't need windows administrator privileges and you can verify the result with npm -v

edited Oct 11 '16 at 15:03

answered Oct 11 '16 at 14:57



4 Simplest and best answer for updating npm – nathanchere Jan 2 '17 at 13:55

If you have *nodejs* installed, there are **two** version of npm installed on Windows. Running <code>npm install npm@latest -g</code> only update the global (<code>-g</code>) installed one (<code>%appdata%\npm\)</code>). To update npm that comes with nodejs (<code>%ProgramFiles%\nodejs\node_modules\npm</code>) you can download the .msi installer from nodejs.org/en and run it. Other official methods to upgrade npm: github.com/npm/npm/wiki/Troubleshooting#upgrading-on-windows – pldg May 11 '18 at 20:19

1 Worked for me. Thank you :) – mudrak patel Jul 4 '18 at 18:21

Worked for me:) - Mayank Pandeyz Aug 22 '18 at 16:41

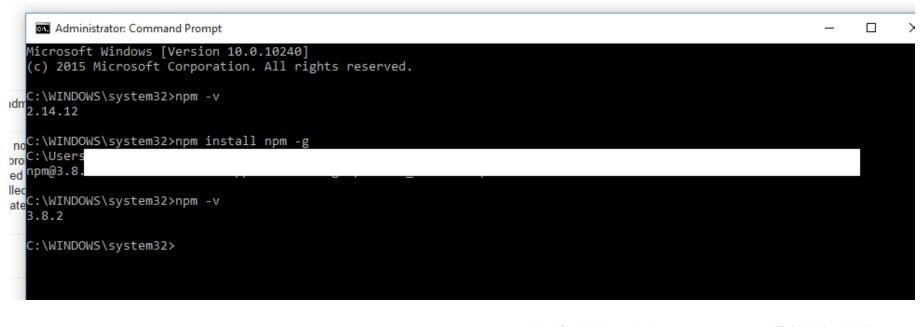
This seems like the best answer because of its simplicity. – Mike Poole May 21 at 10:30



The previous answers will work installing a new version of Node.js (probably the best option), but if you have a dependency on a specific Node.js version then the following will work: "npm install npm -g". Verify by running npm -v before and after the command.







edited Oct 13 '17 at 14:25 Peter Mortensen 117 answered Feb 3 '14 at 18:23



1,083 2 21 45

Sure it does @BrianDiPalma. Added screen shot to show upgrade from 2.14.12 to 3.8.2 - Will Lopez Mar 18 '16 at 15:59

The simplest and the best answer – Nowdeen Jul 2 '18 at 23:14



This works fine for me to update npm on Windows 7 x64:



- Windows start
- All Programs
- Node.js
- Node.js command prompt (alternative click)
- · Run as administrator

Hope this helps.

edited Sep 24 '15 at 7:58

naXa
16.6k 11 105 1

answered Feb 12 '15 at 10:04



- 1 Thanks man, running as administrator was the key! Plato Mar 26 '15 at 17:24
- This solution modifies the nodejs directory, leaving behind an orphaned npm. If you have more than 1 user on the machine, you just broke NPM for everybody else. This method also causes problems with global packages. the npm installed via this answer does not have the npmrc file, so global packages going forward will likely be installed in the wrong directory. If you update node, the nodejs/npm.cmd is now restored. So if nodejs updates npm, you are stuck on the old one unless you run that command again. Robert Baker Mar 7 '16 at 22:21



Open PowerShell as administrator.

To install a first time you can use this small script to download the latest msi and run it



```
$nodeLatest=((curl https://nodejs.org/download/release/latest/).Content | findstr
x64.msi) -replace "<(.*?)>", "" -replace "\s+.+", "";
wget "https://nodejs.org/download/release/latest/$nodeLatest" -OutFile (join-path
$env:TEMP node.msi); Start-Process (join-path $env:TEMP node.msi)
```

On future upgrades you can download just node.exe and update npm with

```
wget https://nodejs.org/download/release/latest/win-x64/node.exe -OutFile 'C:\Program
Files\nodejs\node.exe'
npm i -g npm
```

You should now have the latest node and npm.

I went a little further and decided to implement a nvm for Windows.

https://github.com/brunolm/nvm

nvm install latest nvm default latest

edited Aug 18 '17 at 11:58

answered Nov 1 '15 at 18:33



BrunoLM

243

Excellent answer. Many would of course use C:\Program Files\node.exe for the last part. - arviman Apr 12 '17 at 8:47



1. Installing latest npm version

npm install -g npm@latest



(You can type "npm –version" to check that)

2. Installing Node

- a. Install node new version via following URL: https://nodejs.org/en/download/current/ Follow the default choices
- b. Remove C:\Users\\AppData\Roaming\NPM
- c. Remove C:\Users\\AppData\Roaming\npm-cache

Optionally:

- d. (Delete node modules folder in your current project folder)
- e. npm cache verify
- **f.** npm install

answered Dec 5 '17 at 8:39



1,359 1 22 28

This worked for me.. You might need to use npm rebuild node-sass --force after you are done with installation because your environment has changed --



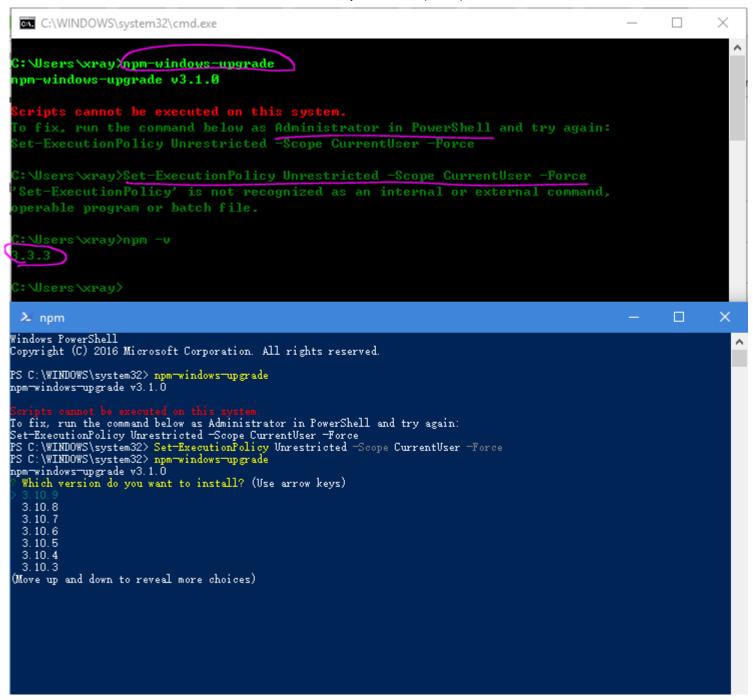
Use <u>Upgrade npm on Windows</u>



This is the official document for a user to upgrade npm on Windows!



Here is my screenshot!



edited Oct 13 '17 at 14:16



Peter Mortensen

answered Oct 14 '16 at 3:48



2,931 21

msi is also another choice! – xgqfrms Jan 1 '17 at 12:31 /

From the page you linked to: "This is a small tool made by Microsoft DX engineers". So saying "this is the official document" is maybe a bit misleading. It sounds like you're saying it's official from the node or npm folks. - jinglesthula Feb 21 '17 at 17:27

\$ npm -g i npm works OK for windows 10 pro x64! - xgqfrms Jun 1 '17 at 12:11



How to Update Node.js:

1. Uninstall Node.js. Click the Start menu, type "Change or Remove a Program", click on the item shown, find Node.js in the list and uninstall it.



- 2. Delete directories, both C:\Program Files (x86)\nodejs\ and C:\Program Files\nodejs\ if they exist.
- 3. Install the latest, https://nodejs.org/en/download

The uninstall/delete/install seems unnecessary, but it often is and this will save your time. These instructions come from Microsoft.

How to Update NPM:

https://www.npmjs.com/package/npm-windows-upgrade

This is the official documentation for upgrading npm on windows.

All was tested and working on Windows 10 (2017).

edited Oct 13 '17 at 14:18



Peter Mortensen

answered Feb 13 '17 at 0:41



whitneyland

For what it's worth, I had to combine several answers...



- 2. Delete directories, both C:\Program Files (x86)\nodejs\ and C:\Program Files\nodejs\ if they exist.
- 3. Install the latest version, http://nodejs.org/download/

edited Oct 13 '17 at 14:41

Peter Mortensen

14.4k 19 88 11

answered Apr 24 '14 at 13:25



Can you remember anything specific *why* you had to do this? I just tried it with downloading, installing and it worked instantly. – amenthes Aug 5 '14 at 12:22

No, But i think that the older version of node installed it in a different windows directory in the path. At least thats my assumption – Tim Aug 6 '14 at 13:18



For me, after totally uninstalling node. 10.29, and then installing node 4.2.2, there remained a 10.29 node.exe file in my c:\windows folder.

5

I found this by using the following command:



where.exe node

The command returned:

C:\Windows\node.exe

C:\Program Files\node;s\node.exe

So even though I had successfully installed version 4.2.2 via the msi executable, the command "node -v" would continue to return 10.29. I resolved this by deleting this file:

C:\Windows\node.exe

answered Nov 25 '15 at 22:59

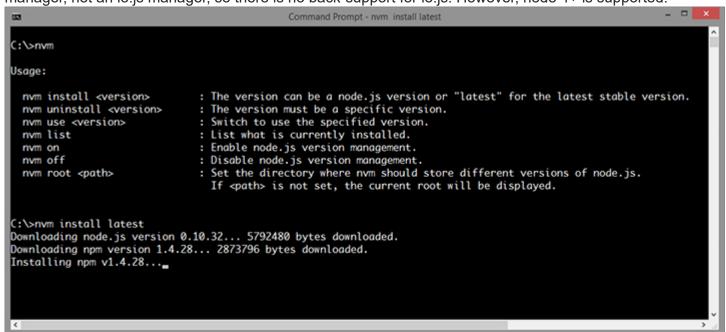
Lonnie Best



this is best tool to maintain version of NODE.Js i NVM

5

Node Version Manager (nvm) for Windows but for Windows, with an installer. <u>Download Now!</u> This has always been a node version manager, not an io.js manager, so there is no back-support for io.js. However, node 4+ is supported.



edited Nov 28 '16 at 5:24

answered Nov 28 '16 at 4:08



Most powerful and convenient answer here? UPVOTE this one, people! If you agree. – Jared Thirsk Jul 19 '17 at 21:52 ▶



I followed @josh3737 and installed the latest MSI from the node.js homepage.

But I had the additional problem that I still had the old node and npm on the command line. The problem was caused by the new installation, that it was installed into

instead of the previous installation in

C:\Program Files\nodejs\

The new installation added the new directory into my path variable after the old one. So the old installation was still the active one in the path. After removing C:\Program Files\nodejs\ from **system** path and C:\Users\...\AppData\Roaming\npm from **user** path and restarting the command line the new installation was active.

Maybe the least path was a local problem that has nothing to do with the new installation, I had two links to AppData\Roaming\npm in it. And maybe this can also be fixed by first uninstalling node.js and installing the new version afterwards.

answered Mar 19 '14 at 10:17



migg

82 2 21



This works fine for me

4

1. Run **Command Prompt** as **Administrator**



- 2. Navigate to the folder containing nodejs (eg. C:\Program Files\nodejs)
- 3. Run Powershell -ExecutionPolicy Unrestricted
- 4. Run *npm-windows-upgrade*
- 5. This will show list of versions available to install. Just select your desired version by moving up/down key & Press Enter.

This'll update your *npm*

6. To check the current version of npm

Run *npm* --version



Abdullah Ibn Mannan



I was also facing similar issues. I followed below mentioned steps and it worked for me:



- go to Windows > Start > Node.js
 - right click on Node.js command prompt
 - click on Run as administrator
- ping registry.npmjs.org
- npm view npm version
- cd %ProgramFiles%\nodejs
- npm install npm@latest

and npm updated successfully. Earlier I was trying for CMD and that was throwing error. may be some path issue that got resolved by running NodeJs Command Prompt. hope it'll work for you. try this.

edited Nov 13 '16 at 18:29



cilerler

5,105 6 43 71

answered Apr 16 '16 at 13:06





To install the updates, just <u>download the installer</u> from the Nodejs.org site and run it again. The new version of Node.js and NPM will replace the older versions.





Peter Mortensen

14.4k 19 88 117

answered Jun 24 '17 at 14:22



Yeah this worked well on my windows 7 pc. Thanks !!! - MiHawk Sep 9 '17 at 5:01

this didn't work in my case with windows 10. I have npm v5.4.2 and node 7.5.0. When I wanted to install node v9.0.0 npm -v says 5.4.2 not



The easiest way I found so far to update Node.js is using <u>Chocolatey</u>. Use Chocolatey to install or update the latest version of Node.js on Windows:

4



Step 1: First, ensure that you already have Chocolatey installed. If not, **use an administrative shell to install chocolatey** through cmd.exe or PowerShell.exe. For more information, visit: https://chocolatey.org/docs/installation

Step 2: Install with cmd.exe. Run the following command:

@"%SystemRoot%\System32\WindowsPowerShell\v1.0\powershell.exe" -NoProfile -InputFormat None -ExecutionPolicy Bypass -Command "iex ((New-Object System.Net.WebClient).DownloadString('https://chocolatey.org/install.ps1'))" && SET "PATH=%PATH%;%ALLUSERSPROFILE%\chocolatey\bin"

To install with PowerShell.exe, visit: https://chocolatey.org/docs/installation

Step 3: Install or Update with following commands on cmd.exe (on administrative mode)

To Install Node.js: cinst nodejs.install

To Update Node.js: cup nodejs.install

edited Oct 13 '17 at 14:22



Peter Mortensen

answered Sep 6 '17 at 20:05





OK guys, I read (tried on Windows) all the previous stuff and all of these answers have their own disadvantages.

For the best way to update Node.js (at least for me), go to https://nodejs.org/en/ Then download the last version and install it in same folder you installed the previous version in - 1 min and it's done. You don't need to remove any old files.



Then update npm typing in cmd: npm install --save latest-version

edited Oct 13 '17 at 14:20



Peter Mortensen **14.4k** 19 88 117

answered Apr 4 '17 at 16:35



Vasyl Gutnyk 3,012 2 20 26

- 1 Maybe during trying other solutions i accidentally updated npm. To update it type in cmd: npm install --save latest-version Vasyl Gutnyk Apr 5 '17 at 11:01
- 1 Sometimes I still asks myself WHY I use windows. Thanks for your simple solution. Yuri Ramos Apr 29 '17 at 21:30



For NodeJS

3

Download required node version msi from here and install



for Npm

Run PowerShell as Administrator

Set-ExecutionPolicy Unrestricted -Scope CurrentUser -Force npm install -g npm-windows-upgrade npm-windows-upgrade

answered Nov 30 '17 at 4:48



manish kumar

1,878 1 13 35



follow these steps for window 10 or window 8

3

press WIN + R and type cmd and enter



- npm i -g npm@next
- npm i -g npm@next OR npm i -g node@{version}
- Remove environment path C:\Program Files\nodejs from environment variable PATH.
- type refreshenv in cmd

Now you will have your new version which you installed.

Note: If you don't remove path. You will see the previous version of node.





Powershell does not execute npm directly, I suggest using

- .\npm install -g npm-windows-upgrade
- .\npm-windows-upgrade



You wanted to install npm 6.1.0, but the installed version is 3.10.10.

A common reason is an attempted "npm install npm" or "npm upgrade npm". As of today, the only solution is to completely uninstall and then reinstall Node.js. For a small tutorial, please see http://aka.ms/fix-npm-upgrade.

Please consider reporting your trouble to http://aka.ms/npm-issues.

http://aka.ms/fix-npm-upgrade <-- this is a dead link

edited May 30 '18 at 1:55



eyllanesc

answered May 30 '18 at 0:20



Serge B



You can use these commands:



npm cache clean npm update -g [package....]



If you are upgrading from a previous version of node, then you will want to update all existing global packages. You can also specify the package name to be updated.

edited Nov 16 '15 at 7:39

answered Nov 14 '15 at 7:33





This might help someone. Neither "npm-windows-upgrade" nor the installer alone did it for me. Powershell was still using an older version of node and npm.





So this is what I did (worked for me): 1. Download the latest installer from nodejs.org. Install node. It will update your node; everywhere (Powershell, cmd etc.). 2. Install the npm-windows-upgrade package (npm install -g npm-windows-upgrade) and run npm-windows-upgrade.

I didn't uninstall anything and didn't set any paths.



1 "Powershell was still using an older version of node and npm." You likely did some other update method in the past by modifying the path or running npm i -g npm. If you run into any issues in the future then you must do this: github.com/felixrieseberg/... – Robert Baker Aug 31 '16 at 19:04



In my case, I discovered that I had two copies of Node.js installed. One under "C:\Program Files\nodejs" and another under "C:\Program Files (x86)\nodejs".





edited Oct 13 '17 at 14:20



answered May 11 '17 at 4:21



Anthony **2,881** 8 43 72



This is what worked for me.



- 1. Open a local folder other than the one in which node is is installed.
- 2. Install npm in that folder with command npm install npm
- 3. Navigate to the folder containing node js. (C:\Program Files\nodejs\node_modules)
- 4. Delete the npm folder and replace it with the npm and bin folders in the local folder.
- 5. Run npm -v . Now you would get updated version for npm.

Note: I tried inetalling nom directly in "C·\Drogram Files\nodeis\node modules" but it created errors





- 1. Start
- 2. Search for windows powershell
- 3. Right click and run as administrator
- 4. Type: where.exe node (returns the path of node.exe in your system. Copy this)
- 5. wget https://nodejs.org/download/release/latest/win-x64/node.exe -OutFile 'PATH-OF-NODE.EXE_WHICH_YOU_COPIED_JUST_NOW'
- 6. To check if it has worked, go to your Git bash/Normal command prompt and type: node -v
- 7. Here you can find the current version of node: https://nodejs.org/en/blog/release/

answered Sep 28 '16 at 11:36

