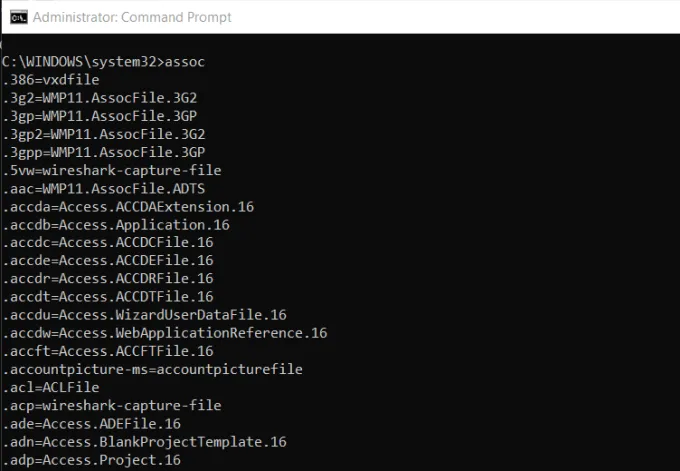
CMD commands you should know if you want to have more control over your Windows PC.

1. ASSOC: Fix File Associations



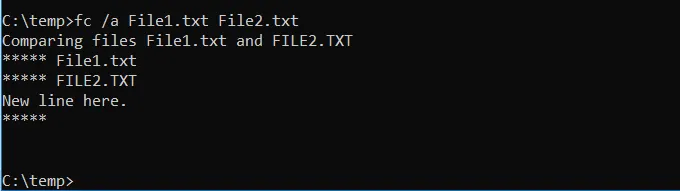
One of the most powerful tools in the CMD command library is the ASSOC command.

Your computer associates certain file extensions with certain programs. This is how your computer knows to open Adobe when you double click a PDF file, or Microsoft Word when you double click a DOC file.

You can view all the file associations your computer knows about by typing **ASSOC** in the command window. You’ll see the file extension and the program it’s associated with.

You can set the association by typing something like **assoc .doc=Word.Document.8**.

2. FC: File Compare



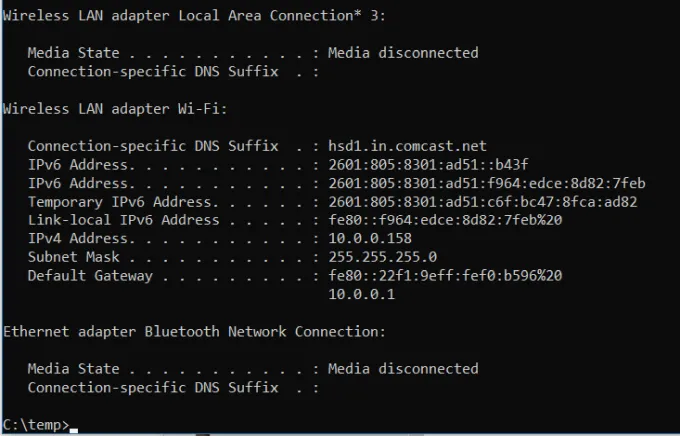
Sometimes when files are changed over time, it’s hard to remember what the differences were between versions. You may not know that a CMD command offers the ability to compare files and see all differences, but it’s true.

The **FC** command performs either an ascii or a binary file comparison and will list all of the differences that it finds.

**Fc /a File1.txt File2.txt** will compare two ascii files.

**Fc /b Picture1.jpg Picture2.jpg** will do a binary compare on two images.

3. IPCONFIG: IP Configuration



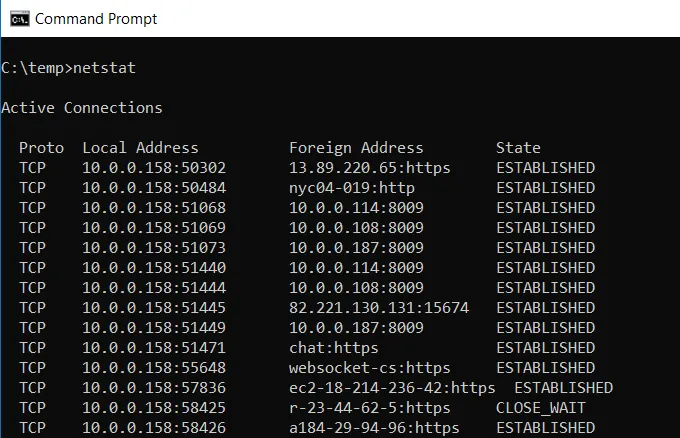
Network troubleshooting is never simple, but one command that makes it much easier is **IPCONFIG**.

Using this command in the CMD command prompt returns detailed information about your current network adapter connection including:

* Current IP Address
* Subnet Mask
* Default Gateway IP
* Current domain

This information can help you troubleshoot router issues and other connection issues you could be having with your network adapter.

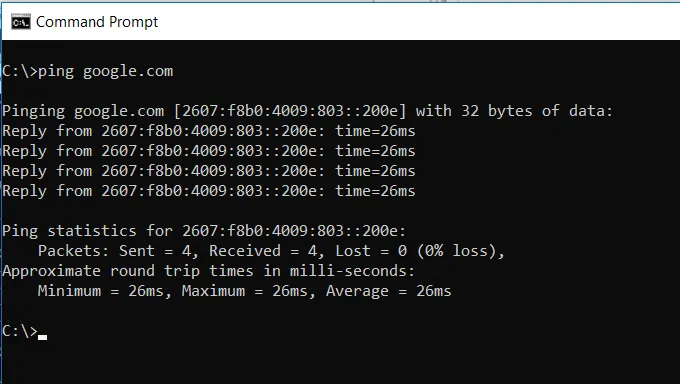
4. NETSTAT: Network Statistics



Concerned that you could have malware running on your computer that’s connecting to internet locations without you knowing about it?

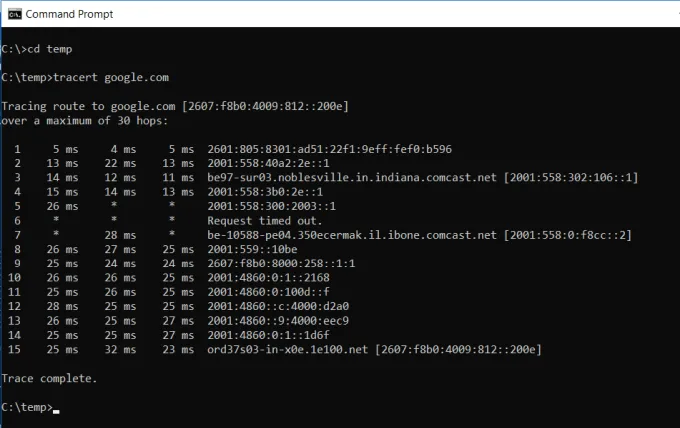
If you run a **NETSTAT** command in the command prompt, you can get a list of all active TCP connections from your computer.

5. PING: Send Test Packets



An IT Analyst’s best friend is the **PING** command.  Running this command sends test packets over the network to the target system.

You can use the PING command to test whether your computer can access another computer, a server, or even a website. It can help with revealing network disconnections. It also provides transit time for the packets in milliseconds, so it also reveals a bad network connection as well.

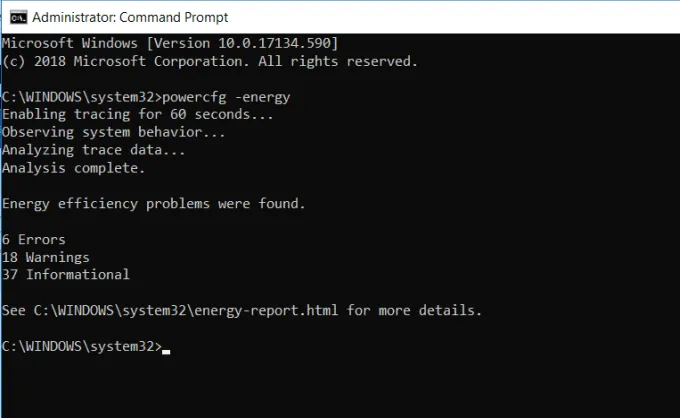
6. TRACERT: Trace Route

**TRACERT** is a fascinating Windows Command to use. If you’re ever curious to see the path your internet traffic takes to get from your browser to a remote system like Google servers, you can use TRACERT to see it.

The command stands for “Trace Route”, which sends packets out to a remote destination (server or website), and provides you with all of the following information:

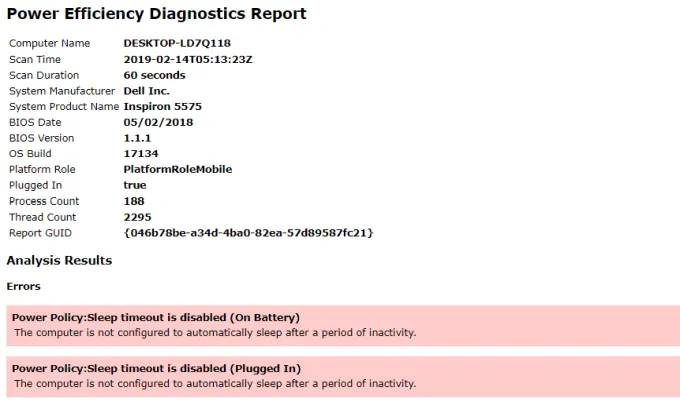
* Number of hops (intermediate servers) before getting to the destination
* Time it takes to get to each hop
* The IP and sometimes the name of each hop

TRACERT can reveal how the routes of your internet requests change depending where you’re accessing the web. It also helps with troubleshooting a router or switch on a local network that may be problematic.

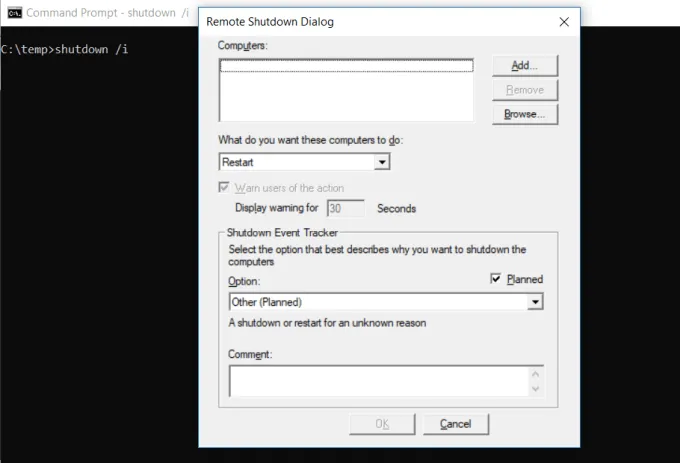
7. POWERCFG: Power Configuration  


Are you frustrated with how quickly your laptop seems to run out of power? It could be that your power settings are configured as efficiently as possible. There’s a windows CMD command called **POWERCFG** (power configuration) that can help. Run the command prompt as an administrator and type **powercfg – energy** to get a full power efficiency report.

The process can take up to about a minute, but when it’s done, you’ll see whether there are any warnings or errors that might help you improve the power efficiency of your system.



View the energy-report.html file to see the details of those errors and warnings.

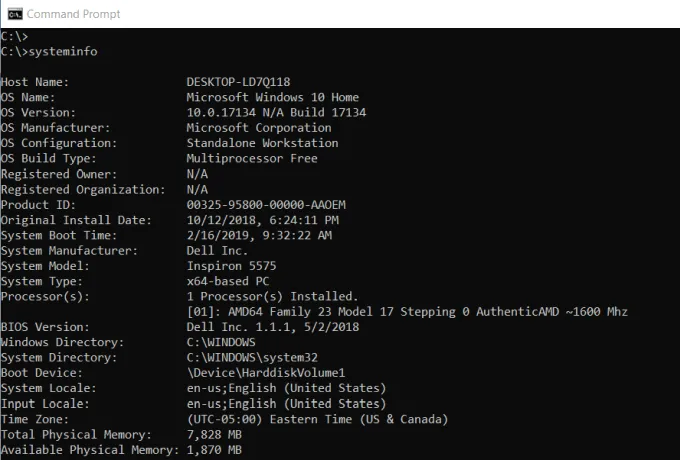
8. SHUTDOWN: Turn Off Computer  


The **SHUTDOWN** command is a pretty versatile command that lets you shutdown the computer but control the behavior of that shutdown. It’s commonly used as a scheduled task or part of an IT batch job after patches have been applied to a computer system.

Typing **shutdown /i** from the command prompt will initiate a shutdown, but it’ll upon a GUI to give the user an option on whether to restart or do a full shutdown. If you don’t want to have any GUI pop up, you can just issue a **shutdown /s** command.

There is a long list of other parameters you can use to do a log off, hibernate, restart, and more. Just type **shutdown** without any arguments to see them all.

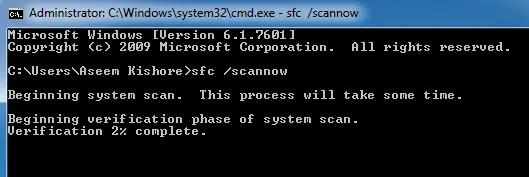
9. SYSTEMINFO: System Information



If you need to know what brand of network card you have, processor details, or the exact version of your Windows OS, the **SYSTEMINFO** command can help.

This command polls your system and pulls the most important information about your system. It lists the information in a clean format that’s easy to read.

10. SFC: System File Checker



If you’re ever concerned that a virus or some other software might have corrupted your core system files, there’s a Windows command that can scan those files and ensure their integrity.

You need to launch CMD as administrator (right click and choose **Run as Administrator**). Typing SFC /SCANNOW will check the integrity of all protected system files. If a problem is found, the files will be repaired with backed-up system files.

The SFC command also lets you:

* **/VERIFYONLY**: Check the integrity but don’t repair the files.
* **/SCANFILE**: Scan the integrity of specific files and fix if corrupted.
* **/VERIFYFILE**: Verify the integrity of specific files but don’t repair them.
* **/OFFBOOTDIR**: Use this to do repairs on an offline boot directory.
* **/OFFWINDIR**: Use this to do repairs on an offline Windows directory.
* **/OFFLOGFILE**: Specify a path to save a log file with scan results.

The scan can take up to 10 or 15 minutes, so give it time.

11. NET USE: Map drives

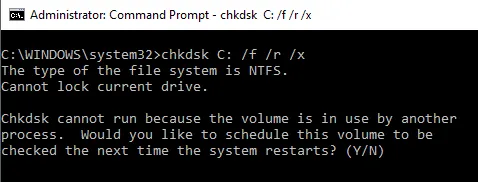
If you want to map a new drive, you could always open File Explorer, right click on This PC, and go through the Map Network Drive wizard. However, using the **NET USE** command, you can do the same thing with one command string.

For example, if you have a share folder on a computer on your network called [\\OTHER-COMPUTER\SHARE\](file:///\\other-computer\SHARE\), you can map this as your own Z: drive by typing the command:

**Net use Z: “**[**\\OTHER-COMPUTER\SHARE**](file:///\\other-computer\SHARE)**” /persistent:yes**

The **persistent** switch tells your computer that you want this drive remapped every time you log back into your computer.

12. CHKDSK: Check Disk



While the SFC command only checks the integrity of core system files, you can use the **CHKDSK** command to scan an entire drive.

The command to check the C: drive and repair any problems, launch the command window as an administrator and type **CHKDSK /f C:**.

This command checks for things like:

* File fragmentation
* Disk errors
* Bad sectors

The command can fix any disk errors (if possible). When the command is finished, you’ll see a status of the scan and what actions were taken.

13. SCHTASKS: Schedule Tasks

Windows comes with a wizard for creating scheduled tasks. For example, maybe you have a BAT file stored on C:\temp that you want to run every day at noon.

You’d have to click through the Scheduled Task wizard to configure this. Or you can type a single **SCHTASKS** command to set it up.

**SCHTASKS /Create /SC HOURLY /MO 12 /TR Example /TN c:\temp\File1.bat**

The scheduled switch accepts arguments like minute, hourly, daily, and monthly. Then you specify the frequency with the /MO command.

If you typed the command correctly, you’ll see the response, **SUCCESS: The scheduled task “Example” has successfully been created**.

14. ATTRIB: Change File Attributes

In Windows, you can change file attributes by right clicking on a file and finding the right property to change. However, instead of hunting around for the file attribute, you can use the **ATTRIB** command to set the file attributes.

For example, if you type: **ATTRIB +R +H C:\temp\File1.bat**, it’ll set File1.bat as a hidden, read-only file.

There is no response when it’s successful, so unless you see an error message, the command worked.

Other Windows CMD Commands

As you can see, there are some powerful and useful things you can do with the Windows command prompt, if you know the right commands.

Believe it or not, there are even more commands that will give you the ability to do some things you probably never realized just by typing a simple command.

* **BITSADMIN**: Initiate upload or download jobs over the network or internet and monitor the current state of those file transfers.
* **COLOR**: Change the background color of the command prompt window.
* **COMP**: Compare the contents of any two files to see the differences.
* **FIND/FINDSTR**: Search for strings inside of any ASCII files.
* **PROMPT**: Change the command prompt from C:\> to something else.
* **TITLE**: Change the title of the command prompt window.
* **REGEDIT**: Edit keys in the Windows registry (use with caution).
* **ROBOCOPY**: A powerful file copy utility built right into Windows.

**Windows commands**

This set of documentation describes the Windows Commands you can use to automate tasks by using scripts or scripting tools.

**Prerequisites**

The information that is contained in this topic applies to:

* Windows Server 2019
* Windows Server (Semi-Annual Channel)
* Windows Server 2016
* Windows Server 2012 R2
* Windows Server 2012
* Windows Server 2008 R2
* Windows Server 2008
* Windows 10
* Windows 8.1

**Command shell overview**

The Command shell was the first shell built into Windows to automate routine tasks, like user account management or nightly backups, with batch (.bat) files. With Windows Script Host you could run more sophisticated scripts in the Command shell. For more information, see [cscript](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/cscript) or [wscript](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/wscript). You can perform operations more efficiently by using scripts than you can by using the user interface. Scripts accept all Commands that are available at the command line.

Windows has two command shells: The Command shell and [PowerShell](https://docs.microsoft.com/powershell/scripting/powershell-scripting?view=powershell-6). Each shell is a software program that provides direct communication between you and the operating system or application, providing an environment to automate IT operations.

PowerShell was designed to extend the capabilities of the Command shell to run PowerShell commands called cmdlets. Cmdlets are similar to Windows Commands but provide a more extensible scripting language. You can run Windows Commands and PowerShell cmdlets in Powershell, but the Command shell can only run Windows Commands and not PowerShell cmdlets.

For the most robust, up-to-date Windows automation, we recommend using PowerShell instead of Windows Commands or Windows Script Host for Windows automation.

**Note**

You can also download and install [**PowerShell Core**](https://docs.microsoft.com/powershell/scripting/whats-new/what-s-new-in-powershell-core-60?view=powershell-6), the open source version of PowerShell.

**Caution**

Incorrectly editing the registry may severely damage your system. Before making the following changes to the registry, you should back up any valued data on the computer.

**Note**

To enable or disable file and directory name completion in the Command shell on a computer or user logon session, run **regedit.exe** and set the following **reg\_DWOrd value**:

HKEY\_LOCAL\_MACHINE\Software\Microsoft\Command Processor\completionChar\reg\_DWOrd

To set the **reg\_DWOrd** value, use the hexadecimal value of a control character for a particular function (for example, **0 9** is Tab and **0 08** is Backspace). User-specified settings take precedence over computer settings, and command-line options take precedence over registry settings.

**Command-line reference A-Z**

To find information about a specific Windows Command, in the following A-Z menu, click the letter that the Command starts with, and then click the Command name.

[A](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/windows-commands#a) | [B](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/windows-commands#b) | [C](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/windows-commands#c) | [D](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/windows-commands#d) | [E](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/windows-commands#e) | [F](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/windows-commands#f) | [G](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/windows-commands#g) | [H](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/windows-commands#h) | [I](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/windows-commands#i) | [J](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/windows-commands#j) | [K](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/windows-commands#k) | [L](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/windows-commands#l) | [M](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/windows-commands#m) | [N](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/windows-commands#n) | [O](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/windows-commands#o) | [P](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/windows-commands#p) | [Q](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/windows-commands#q) | [R](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/windows-commands#r) | [S](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/windows-commands#s) | [T](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/windows-commands#t) | [U](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/windows-commands#u) | [V](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/windows-commands#v) | [W](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/windows-commands#w) | [X](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/windows-commands#x) | Y | Z)

**A**

* [append](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/append)
* [arp](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/arp)
* [assoc](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/assoc)
* [at](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/at)
* [atmadm](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/atmadm)
* [attrib](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/attrib)
* [auditpol](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/auditpol)
* [autochk](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/autochk)
* [autoconv](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/autoconv)
* [autofmt](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/autofmt)

**B**

* [bcdboot](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bcdboot)
* [bcdedit](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bcdedit)
* [bdehdcfg](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bdehdcfg)
* [bitsadmin](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin)
  + [bitsadmin addfile](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-addfile)
  + [bitsadmin addfileset](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-addfileset)
  + [bitsadmin addfilewithranges](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-addfilewithranges)
  + [bitsadmin cancel](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-cancel)
  + [bitsadmin complete](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-complete)
  + [bitsadmin create](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-create)
  + [bitsadmin getaclflags](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-getaclflags)
  + [bitsadmin getbytestotal](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-getbytestotal)
  + [bitsadmin getbytestransferred](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-getbytestransferred)
  + [bitsadmin getcompletiontime](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-getcompletiontime)
  + [bitsadmin getcreationtime](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-getcreationtime)
  + [bitsadmin getdescription](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-getdescription)
  + [bitsadmin getdisplayname](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-getdisplayname)
  + [bitsadmin geterror](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-geterror)
  + [bitsadmin geterrorcount](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-geterrorcount)
  + [bitsadmin getfilestotal](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-getfilestotal)
  + [bitsadmin getfilestransferred](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-getfilestransferred)
  + [bitsadmin getminretrydelay](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-getminretrydelay)
  + [bitsadmin getmodificationtime](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-getmodificationtime)
  + [bitsadmin getnoprogresstimeout](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-getnoprogresstimeout)
  + [bitsadmin getnotifycmdline](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-getnotifycmdline)
  + [bitsadmin getnotifyflags](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-getnotifyflags)
  + [bitsadmin getnotifyinterface](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-getnotifyinterface)
  + [bitsadmin getowner](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-getowner)
  + [bitsadmin get priority](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-getpriority)
  + [bitsadmin getproxybypasslist](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-getproxybypasslist)
  + [bitsadmin getproxylist](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-getproxylist)
  + [bitsadmin getproxyusage](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-getproxyusage)
  + [bitsadmin getreplydata](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-getreplydata)
  + [bitsadmin getreplyfilename](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-getreplyfilename)
  + [bitsadmin getreplyprogress](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-getreplyprogress)
  + [bitsadmin getstate](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-getstate)
  + [bitsadmin gettype](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-gettype)
  + [bitsadmin help](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-help)
  + [bitsadmin info](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-info)
  + [bitsadmin list](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-list)
  + [bitsadmin listfiles](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-listfiles)
  + [bitsadmin monitor](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-monitor)
  + [bitsadmin nowrap](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-nowrap)
  + [bitsadmin rawreturn](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-rawreturn)
  + [bitsadmin removecredentials](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-removecredentials)
  + [bitsadmin replaceremoteprefix](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-replaceremoteprefix)
  + [bitsadmin reset](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-reset)
  + [bitsadmin resume](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-resume)
  + [bitsadmin setaclflag](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-setaclflag)
  + [bitsadmin setcredentials](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-setcredentials)
  + [bitsadmin setdescription](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-setdescription)
  + [bitsadmin setdisplayname](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-setdisplayname)
  + [bitsadmin setminretrydelay](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-setminretrydelay)
  + [bitsadmin setnoprogresstimeout](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-setnoprogresstimeout)
  + [bitsadmin setnotifycmdline](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-setnotifycmdline)
  + [bitsadmin setnotifyflags](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-setnotifyflags)
  + [bitsadmin setpriority](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-setpriority)
  + [bitsadmin setproxysettings](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-setproxysettings)
  + [bitsadmin setreplyfilename](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-setreplyfilename)
  + [bitsadmin suspend](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-suspend)
  + [bitsadmin takeownership](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-takeownership)
  + [bitsadmin Transfer](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-transfer)
  + [bitsadmin util](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-util)
  + [bitsadmin wrap](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bitsadmin-wrap)
* [bootcfg](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bootcfg)
  + [bootcfg addsw](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bootcfg-addsw)
  + [bootcfg copy](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bootcfg-copy)
  + [bootcfg dbg1394](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bootcfg-dbg1394)
  + [bootcfg debug](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bootcfg-debug)
  + [bootcfg default](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bootcfg-default)
  + [bootcfg delete](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bootcfg-delete)
  + [bootcfg ems](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bootcfg-ems)
  + [bootcfg query](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/bootcfg-query)
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* [path](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/path)
* [pathping](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/pathping)
* [pause](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/pause)
* [pbadmin](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/pbadmin)
* [pentnt](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/pentnt)
* [perfmon](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/perfmon)
* [ping](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/ping)
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* [pnputil](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/pnputil)
* [popd](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/popd)
* [PowerShell](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/powershell)
* [PowerShell\_ise](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/powershell_ise)
* [print](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/print)
* [prncnfg](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/prncnfg)
* [prndrvr](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/prndrvr)
* [prnjobs](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/prnjobs)
* [prnmngr](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/prnmngr)
* [prnport](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/prnport)
* [prnqctl](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/prnqctl)
* [prompt](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/prompt)
* [pubprn](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/pubprn)
* [pushd](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/pushd)
* [pushprinterconnections](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/pushprinterconnections)

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* [qprocess](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/qprocess)
* [query](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/query)
* [quser](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/quser)
* [qwinsta](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/qwinsta)

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* [rd](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/rd)
* [rdpsign](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/rdpsign)
* [recover](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/recover)
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  + [reg add](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/reg-add)
  + [reg compare](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/reg-compare)
  + [reg copy](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/reg-copy)
  + [reg delete](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/reg-delete)
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  + [reg load](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/reg-load)
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* [repair-bde](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/repair-bde)
* [replace](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/replace)
* [reset session](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/reset-session)
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  + [scwcmd: configure](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/scwcmd-configure)
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  + [scwcmd: transform](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/scwcmd-transform)
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* [setx](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/setx)
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* [taskkill](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/taskkill)
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* [tcmsetup](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/tcmsetup)
* [telnet](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/telnet)
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* [verify](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/verify_1)
* [vol](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/vol)
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* [wbadmin](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/wbadmin)
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* [wscript](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/wscript)

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