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Use a PowerShell Cmdlet to Count Files, Words, and Lines

The Scripting Guys (https://social.technet.microsoft.com/profile/The+Scripting+Guys) October 9, 2011

22 (https://blogs.technet.microsoft.com/heyscriptingguy/2011/10/09/use-a-powershell-cmdlet-to-count-files-words-andlines/#comments)

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	makhan27 (https://social.technet.microsoft.com/profile/makhan27) May 15, 2017 at 9:40 am (https://blogs.technet.microsoft.com/heyscriptingguy/2011/10/09/use-a-powershell-cmdlet-to-count-files-words-and-lines/#comment-61093) Can I use for multiple computer. for example I want to count folder under sysvoldomainpolicy on my all DCs servers. Reply (https://liologs.technet.microsoft.com/heyscriptingguy/2011/10/09/use-a-powershell-cmdlet-to-count-files-words-and-lines/? replytocom=61093#respond)	
	Could Livering (history (for the history transfer or the country)	

Craig Lisseer (imps://social.technic.microsort.com/promie/arg4-Lisseer)

May 15, 2017 a 19-40 and (https://blogs.technic.microsort.com/phsyscriptingguy/2011/10/09/use-a-powershell-cmdlet-to-count-files-words-and-lines/#comment-61173)

In addition to text files, you can use the Measure-Object crudiet against Microsoft Word documents as well... For example: Get-Content "c:myWordDocument.docx" | measure-object -line -word -character

Reply (https://blogs.technet.microsoft.com/heyscriptingguy/2011/10/09/use-a-powershell-cmdlet-to-count-files-words-and-lines/?replytocom=61173#respond)

Craig Lussler (https://social.technet.microsoft.com/profile/Craig+Lussler)

May 15, 2017 at 9-40 am (https://blogs.technet.microsoft.com/physcriptingguy/2011/10/09/use-a-powershell-cmdlet-to-count-files-words-and-lines/#comment-61223)

GEG 1 - Should have taken a look at the Word Count in Word before posting – the numbers are off indeed. I made assumptions myself with the door file and I wonder if it is taking into account any additional markup in the background of the document in addition to the text you see when creating/fediting a document in Nivord. It will second your comment with reference to using COM to get the stats of a Word document – for anyone reading this the methods in this post are absolutely accurate for the files, however with Office files, please use Office Automation (COM) to ensure you get the correct numbers. Good conversation. Ed if you do find anything further on this please write a blog post – it will be interesting. Thanks for your comment Ed. Cheers. C.

Reply (https://blogs.technet.microsoft.com/hevscriptingguy/2011/10/09/use-a-powershell-cmdlet-to-count-files-words-and-lines/?



October 10, 2011 at 9:14 am (https://blogs.technet.microsoft.com/heyscriptingguy/2011/10/09/use-a-powershell-cmdlet-to-count-files-words-and-lines/ecomment-61233)
HI Ed,

this is cool

Measure-Object takes away some tedious counting tasks from us I should remember to use it more often

Sometimes I'm still doing these things manually and this is really just an old habit that I should overcome now #

Something completely different:

Why does the new layout of this blog require scroll down in the browser so far?

I really thought that the blog was empty last friday and didn't recognize the enormous length of the scroll bar 🙁 Why is there so much empty, unused space

Reply (https://blogs.technet.microsoft.com/heyscriptlingguy/2011/10/09/use-a-powershell-cmdlet-to-count-files-words-and-lines/?replytocom=61233#respond)

Fd Wilson

October 10, 2011 at 7:04 pm (https://blogs.technet.microsoft.com/heyscriptingguy/2011/10/09/use-a-powershell-cmdlet-to-count-files-words-and-

Klaus Measure-Object is cool. I am not sure what has changed about the blog layout. Let me check on this.

Reply (https://blogs.technet.microsoft.com/heyscriptingguy/2011/10/09/use-a-powershell-cmdlet-to-count-files-words-and-lines/? replytocom=61103#respond)

October 10, 2011 at 7:17 pm (https://blogs.technet.microsoft.com/heyscriptingguy/2011/10/09/use-a-powershell-cmdlet-to-count-files-words-and-lines/#comment-61163)

lines/#comment-61163)
@Craig Lussier I had not tried to use Measure-Object cmdlet with Microsoft Word documents because when I used Get-Content to attempt to read a Microsoft Word .DOC file, it made lots of beeping noises, displayed gibberish on the screen and literally locked up Windows PowerShell. Based upon that I had not attempted it again. However, I just tried Get-Content on a file and piped it to Measure-Object and I appeared to work. But when I looked at the numbers, there was a discrepancy. Measure-Object reported 1002 words on my. DOC file, and when I opened the word document in Microsoft Word, it said there were 1400 words... so It was a huge difference. I word as script that uses the COM automation model to actually open each WORD document and get the statics ... and that is what I will stick with for now. Thank you for your comment because it caused me to reasses my assumptions.

Reply (https://blogs.technet.microsoft.com/heyscriptingguy/2011/10/09/use-a-powershell-cmdlet-to-count-files-words-and-lines/? replytocom=61163#respond)



johnredd (https://social.technet.microsoft.com/profile/johnredd)
October 11, 2011 at 4:22 am (https://blogs.technet.microsoft.com/heyscriptingguy/2011/10/09/use-a-powershell-cmdlet-to-count-files-words-and

lines/Ecomment-61143)
Why not port, Perl, Sed, Awk and bash into the powershell, seems to me that as a Unix guy you guys have attempted to reinvent the wheel, make it too complex. I have hundreds of shell scripts, and am being forced to migrate to a Microsoft platform on a key piece of equipment. I cringe when I see how terribly complex your scripting is. Simple is better.

In unix there is a simple command # wc will count the words in a file

Reply (https://blogs.technet.microsoft.com/heyscriptingguy/2011/10/09/use-a-powershell-cmdlet-to-count-files-words-and-lines/? replytocom=61143#respond)



October 11, 2011 at 1:02 pm (https://blogs.technet.microsoft.com/heyscriptingguy/2011/10/09/use-a-powershell-cmdlet-to-count-files-words-and-

@JR you do not need to port the Unix type of utilities to Powershell. They are already available, all you need to do is to enable services for unix on your operating system (On Windows 7 it is called Subsystem for Unix based applications). One thing to keep in mind, all these Unix type of utilities are text based, they do not return objects like the PowerShell commands do. Therefore you will have to use regular expressions to parse the output from the commands.

Reply (https://blogs.technet.microsoft.com/heyscriptingguy/2011/10/09/use-a-powershell-cmdlet-to-count-files-words-and-lines/? replytocom=61133#respond)



August 27, 2013 at 3:19 pm (https://blogs.technet.microsoft.com/heyscriptingguy/2011/10/09/use-a-powershell-cmdlet-to-count-files-words-and-lines/#comment-61253)

count files in a dir

(dir).count

count lines in a file:

Reply (https://blogs.technet.microsoft.com/heyscriptingguy/2011/10/09/use-a-powershell-cmdlet-to-count-files-words-and-lines/seplytocom=61253#respond)



January 17, 2014 at 8:35 pm (https://blogs.technet.microsoft.com/heyscriptingguy/2011/10/09/use-a-powershell-cmdlet-to-count-files-words-and-lines/fcomment-61113)

How can I use some of the above and get the line counts for each file within a directory. Using -Line with the *.bct filter just gives me the grand total. If I have 30 files, I need 30 line count values, say.

Reply (https://blogs.technet.microsoft.com/heyscriptingguy/2011/10/09/use-a-powershell-cmdlet-to-count-files-words-and-lines/replytocom=61113#respond)



ToTheRescue
January 17, 2014 at 8:56 pm (https://blogs.technet.microsoft.com/heyscriptingguy/2011/10/09/use-a-powershell-cmdlet-to-count-files-words-and

 $\label{lines} $$ \operatorname{Comment-61243} $$ \operatorname{Comment-612433} $$ \operatorname{Comment-61243} $$ \operatorname{Comment-612433} $$ \operatorname{Comment-612433} $$ \operatorname{Comment-612433} $$ \operatorname{Comment-6124333} $$ \operatorname{Comment-6124333} $$ \operatorname{Comment-6124333} $$ \operatorname{Comment-6124333} $$ \operatorname{Comment-6124333} $$ \operatorname{Comment-61243333} $$ \operatorname{Comment-$

Reply (https://blogs.technet.microsoft.com/heyscriptingguy/2011/10/09/use-a-powershell-cmdlet-to-count-files-words-and-lines/?replytocom=61243#respond)



Sugan
February 28, 2014 at 8:29 pm (https://blogs.technet.microsoft.com/heyscriptingguy/2011/10/09/use-a-powershell-cmdlet-to-count-files-words-and
...

lines/#comment-61183) This is exactly what i was looking for. thanks for sharing!

Reply (https://blogs.technet.microsoft.com/heyscriptingguy/2011/10/09/use-a-powershell-cmdlet-to-count-files-words-and-lines/?



markus
May 6, 2014 at 9:57 am (https://blogs.technet.microsoft.com/heyscriptingguy/2011/10/09/use-a-powershell-cmdlet-to-count-files-words-and



lines/#comment-61083) To count all lines (of code) of files in a directory a double pipe may be used:

Get-ChildItem -Filter *.bas | Get-Content | Measure-Object -Line Reply (https://blogs.technet.microsoft.com/heyscriptingquy/2011/10/09/use-a-powershell-cmdlet-to-count-files-words-and-lines/?



June 6, 2014 at 7:56 pm (https://blogs.technet.microsoft.com/heyscriptingguy/2011/10/09/use-a-powershell-cmdlet-to-count-files-words-and

These are all well and good... but I need to count the lines in files that are MILLIONS of lines long.

These methods take forever!

Reply (https://blogs.technet.microsoft.com/hevscriptingguy/2011/10/09/use-a-powershell-cmdlet-to-count-files-words-and-lines/? nom=61203#respond)



Jashua Issac (https://social.technet.microsoft.com/profile/Joshua+Issac)
August 30, 2014 at 10:26 pm (https://blogs.technet.microsoft.com/heyscriptingguy/2011/10/09/use-a-powershell-cmdlet-to-count-files-words-and-

lines/#comment-61153)
Thank you, Ed the Microsoft Scripting Guy, and thank you Markus, as well. I was able to calculate the sum of the number of words in the text files in a given folder using a modified version of Markus's script:

Get-ChildItem -Filter *.txt | Get-Content | Measure-Object -Word

And if we want just the number on its own, instead of having it in an ASCII art table, then we can pipe it again and extract just the number using Select-

Get-ChildItem -Filter *.txt | Get-Content | Measure-Object -Word | Select-Object -expand Words

Reply (https://blogs.technet.microsoft.com/heyscriptingguy/2011/10/09/use-a-powershell-cmdlet-to-count-files-words-and-lines/? replytocom=61153#respond)



Vic Hsu (https://social.technet.microsoft.com/profile/Vic+Hsu)
February 3, 2015 at 2:04 pm (https://blogs.technet.microsoft.com/heyscriptingguy/2011/10/09/use-a-powershell-cmdlet-to-count-files-words-and-lines/#comment-61213)
Wooownewn....mickeys genius, inventing the wheel again. WC is a Unix command available since 1971.....

11/3/71 WC (I)

(http://sxp.microsoft.com/feeds/3.0/ServerTools/ServerToolsTopPosts)

SYNOPSIS we name $1\dots$ DESCRIPTION we provides a count of the words, text lines, and roffcontrol lines for each argument file.

A text line is a sequence of characters not beginning with"." and ended by a new-line. A roff control line is a line

beginning with ".". A word is a sequence of charactersbounded by the beginning of a line, by the end of a line, or by a blank or a tab.

Reply (https://blogs.technet.microsoft.com/hevscriptingguy/2011/10/09/use-a-powershell-cmdlet-to-count-files-words-and-lines/? replytocom=61213#respond)

February 23, 2015 at 8:44 pm (https://blogs.technet.microsoft.com/heyscriptingguy/2011/10/09/use-a-powershell-cmdlet-to-count-files-words-and-

lines/#comment-61263)
How would I do this for each file in a directory? To count the lines of text?

Get-Content C:clisttest*.txt | Measure-Object -Line

Reply (https://blogs.technet.microsoft.com/heyscriptingguy/2011/10/09/use-a-powershell-cmdlet-to-count-files-words-and-lines/? replytocom=61263#respond)

mikko
March 30, 2015 at 11:40 am (https://blogs.technet.microsoft.com/heyscriptingguy/2011/10/09/use-a-powershell-cmdlet-to-count-files-words-and-

lines/#comment-61123)
It seems like "MeasureObject -Line" ignores empty lines, so the output is generally different from the Unix "wc -l".

Is there a way to count all lines of a file, including empty lines?

Reply (https://blogs.technet.microsoft.com/heyscriptingguy/2011/10/09/use-a-powershell-cmdlet-to-count-files-words-and-lines/? replytocom=61123#respond)

May 20, 2015 at 12:14 am (https://blogs.technet.microsoft.com/hevscriptingguy/2011/10/09/use-a-powershell-cmdlet-to-count-files-words-and-

I've been struggling with an issue for quite some time now. What I want to accomplish is that, I would like to list all *.xml files inside an .img-file i.e. myimage.img. Here is the path: E:Myfoldermyimage.img. Inside that drive are plenty of other files as well but I can't see that it would matter.

Here is my Powershell script.

Get-Childitem -path E:Myfoldermyimage.img -Recurse -Include *.xml

I get back nothing.

Hilfe...plz

Thanks.

Nick

Reply (https://blogs.technet.microsoft.com/heyscriptingguy/2011/10/09/use-a-powershell-cmdlet-to-count-files-words-and-lines/? replytocom=61193#respond)

March 16, 2016 at 1:06 pm (https://blogs.technet.microsoft.com/hevscriptingguy/2011/10/09/use-a-powershell-cmdlet-to-count-files-words-and

lines/#comment-232073) why is all the reply 46 years ago?

 $Reply \ (https://blogs.technet.microsoft.com/heyscriptingguy/2011/10/09/use-a-powershell-cmdlet-to-count-files-words-and-lines/?replytocom=232073\#respond)$

Lam_mr_ed (https://social.technet.microsoft.com/profile/Lam_mr_ed)
March 28, 2016 at 2:37 pm (https://blogs.technet.microsoft.com/heyscriptingguy/2011/10/09/use-a-powershell-cmdlet-to-count-files-words-and-lines/#comment_56073)
Date skew during blog migration.

Reply (https://blogs.technet.microsoft.com/heyscriptingguy/2011/10/09/use-a-powershell-cmdlet-to-count-files-words-and-lir replytocom=260073#respond)

Anonymous
June 1, 2016 at 9:19 am (https://blogs.technet.microsoft.com/heyscriptingguy/2011/10/09/use-a-powershell-cmdlet-to-count-files-words-and-lines/f-comment-374515)
Extremely cool article, got the sample Cmdlets working just fine, and adapted them for my needs.
One has me stumped, however.
The tried to piece together the PowerShell command to search for all "article.txt" files recursively from the current directory, count the words within those files, and out the word count total. I'm having issues with various commands I've cobbied together.

Reply (https://blogs.technet.microsoft.com/heyscriptingguy/2011/10/09/use-a-powershell-cmdlet-to-count-files-words-and-lines/? replytocom=374515#respond)

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https%3A%2F%2Fblogs.technet.microsoft.com%2Fheyscriptingguy%2F2011%2F10%2F09%2Fuse-a-powershell-cmdlet-to-count-files-words-and-lines%2F)Share-to-count-files-words-(https://blogs.technet.microsoft.com/heyscriptingguy/feed/)

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