Linux command syntax	Linux command description
sed 's/Nick/John/g' report.txt	Replace every occurrence of Nick with John in report.txt
sed 's/Nick nick/John/g' report.txt	Replace every occurrence of Nick or nick with John.
<pre>sed 's/^/ /' file.txt &gt;file_new.txt</pre>	Add 8 spaces to the left of a text for pretty printing.
<pre>sed -n '/Of course/,/attention you \ pay/p' myfile</pre>	Display only one paragraph, starting with "Of course" and ending in "attention you pay"
sed -n 12,18p file.txt	Show only lines 12–18 of file.txt
sed 12,18d file.txt	Show all of file.txt except for lines from 12 to 18
sed G file.txt	Double-space file.txt
sed -f script.sed file.txt	Write all commands in script.sed and execute them
sed '5!s/ham/cheese/' file.txt	Replace ham with cheese in file.txt except in the 5th line
sed '%d' file.txt	Delete the last line
sed '/[0-9]\{3\}/p' file.txt	Print only lines with three consecutive digits
sed '/boom/!s/aaa/bb/' file.txt	Unless boom is found replace aaa with bb
sed '17,/disk/d' file.txt	Delete all lines from line 17 to 'disk'
echo ONE TWO   sed "s/one/unos/I"	Replaces one with unos in a case-insensitive manner, so it will print "unos TWO"
sed 'G;G' file.txt	Triple-space a file
sed 's/.\$//' file.txt	A way to replace dos2unix :)

sed 's/^[ ^t]*//' file.txt	Delete all spaces in front of every line of file.txt
sed 's/[ ^t]*\$//' file.txt	Delete all spaces at the end of every line of file.txt
sed 's/^[ ^t]*//;s/[ ^]*\$//' file.txt	Delete all spaces in front and at the end of every line of file.txt
sed 's/foo/bar/' file.txt	Replace foo with bar only for the first instance in a line.
sed 's/foo/bar/4' file.txt	Replace foo with bar only for the 4th instance in a line.
sed 's/foo/bar/g' file.txt	Replace foo with bar for all instances in a line.
sed '/baz/s/foo/bar/g' file.txt	Only if line contains baz, substitute foo with bar
sed '/./,/^\$/!d' file.txt	Delete all consecutive blank lines except for EOF
sed '/^\$/N;/\n\$/D' file.txt	Delete all consecutive blank lines, but allows only top blank line
sed '/./,\$!d' file.txt	Delete all leading blank lines
<pre>sed -e :a -e '/^\n*\$/{\$d;N;};/\n\$/ba' \ file.txt</pre>	Delete all trailing blank lines
<pre>sed -e :a -e '/\\\$/N; s/\\n//; ta' \ file.txt</pre>	If a file ends in a backslash, join it with the next (useful for shell scripts)
sed '/regex/,+5/expr/'	Match regex plus the next 5 lines
sed '1~3d' file.txt	Delete every third line, starting with the first
sed -n '2~5p' file.txt	Print every 5th line starting with the second
sed 's/[Nn]ick/John/g' report.txt	Another way to write some example above.  Can you guess which one?

```
Print only the first match of
sed -n '/RE/{p;q;}' file.txt
                                                      RE (regular expression)
                                                      Delete only the first match
sed '0,/RE/{//d;}' file.txt
                                                      Change only the first match
sed '0,/RE/s//to_that/' file.txt
                                                      Change first field to 9999 in a CSV file
sed 's/^[^,]*,/9999,/' file.csv
                                                      sed script to convert CSV file to bar-separated
s/^ *\(.*[^ ]\) *$/|\1|/;
                                                      (works only on some types of CSV,
s/" *, */"|/g;
                                                      with embedded "s and commas)
: loop
s/| *\([^",|][^,|]*\) *, */|\1|/g;
t loop
s/ *|/|/g;
s/| */|/g;
s/^|\(.*\)|$/\1/;
                                                      Change numbers from file txt from 1234.56 form to 1.234.56
sed ':a;s/(^{|[^0-9.]})([0-9]+))
([0-9]\{3\}\)/\{1\2,\3/g;ta'\ file.txt
                                                      Convert any word starting with reg or exp to uppercase
sed -r "s/\<(reg|exp)[a-z]+/\U&/g"
                                                      Do replacement of Johnson with White only on
sed '1,20 s/Johnson/White/g' file.txt
                                                      lines between 1 and 20
                                                      The above reversed (match all except lines 1-20)
sed '1,20 !s/Johnson/White/g' file.txt
                                                      Replace only between "from" and "until"
sed '/from/,/until/ { s/\<red\>/magenta/g; \
s/\<blue\>/cyan/g; }' file.txt
                                                      Replace only from the word "ENDNOTES:" until EOF
sed '/ENDNOTES:/,$ { s/Schaff/Herzog/g; \
s/Kraft/Ebbing/g; }' file.txt
                                                      Print paragraphs only if they contain regex
sed '/./{H;$!d;};x;/regex/!d' file.txt
                                                      Print paragraphs only if they contain RE1,
 sed -e '/./{H;$!d;}' -e 'x;/RE1/!d;\
                                                      RE2 and RE3
/RE2/!d;/RE3/!d' file.txt
                                                      Join two lines in the first ends in a backslash
 sed ':a; /\\$/N; s/\\n//; ta' file.txt
```

sed 's/14"/fourteen inches/g' file.txt	This is how you can use double quotes	
<pre>sed 's/\/some\/UNIX\/path/\/a\/new\\ /path/g' file.txt</pre>	Working with Unix paths	
sed 's/[a-g]//g' file.txt	Remove all characters from a to g from file.txt	
sed 's/\(.*\)foo/\lbar/' file.txt	Replace only the last match of foo with bar	
sed '1!G;h;\$!d'	A tac replacement	
sed '/\n/!G;s/\(.\)\(.*\n\)/&\2\1\ /;//D;s/.//'	A rev replacement	
sed 10q file.txt	A head replacement	
sed -e :a -e '\$q;N;11,\$D;ba' \	A tail replacement	
<pre>file.txt  sed '\$!N; /^\(.*\)\n\1\$/!P; D' \ file.txt</pre>	A uniq replacement	
<pre>sed '\$!N; s/^\(.*\)\n\1\$/\1/;\ t; D' file.txt</pre>	The opposite (or uniq -d equivalent)	
sed '\$!N;\$!D' file.txt	Equivalent to tail –n 2	
sed -n '\$p' file.txt	tail -n 1 (or tail -1)	
sed '/regexp/!d' file.txt	grep equivalent	
<pre>sed -n '/regexp/{g;1!p;};h' file.txt</pre>	Print the line before the one matching regexp, but not the one containing the regexp	
<pre>sed -n '/regexp/{n;p;}' file.txt</pre>	Print the line after the one matching the regexp, but not the one containing the regexp	
sed '/pattern/d' file.txt	Delete lines matching pattern	

sed '/./!d' file.txt	Delete all blank lines from a file
sed '/^\$/N;/\n\$/N;//D' file.txt	Delete all consecutive blank lines except for the first two
<pre>sed -n '/^\$/{p;h;};/./{x;/./p;}'\ file.txt</pre>	Delete the last line of each paragraph
sed 's/.\x08//g' file	Remove nroff overstrikes
sed '/^\$/q'	Get mail header
sed '1,/^\$/d'	Get mail body
sed '/^Subject: */!d; s///;q'	Get mail subject
sed 's/^/> /'	Quote mail message by inserting a "> " in front of every line
sed 's/^> //'	The opposite (unquote mail message)
sed -e :a -e 's/<[^>]*>//g;/ <td>Remove HTML tags</td>	Remove HTML tags
<pre>sed '/./{H;d;};x;s/\n/={NL}=/g'\ file.txt   sort \       sed 'ls/={NL}=//;s/={NL}=/\n/g'</pre>	Sort paragraphs of file.txt alphabetically
sed 's@/usr/bin@&/local@g' path.txt	Replace /usr/bin with /usr/bin/local in path.txt
sed 's@^.*\$@<<<&>>>@g' path.txt	Try it and see :)
sed 's/\(\/[^:]*\).*/\1/g' path.txt	Provided path.txt contains \$PATH, this will echo only the first path on each line
sed 's/\([^:]*\).*/\1/' /etc/passwd	awk replacement – displays only the users from the passwd file
echo "Welcome To The Geek Stuff"   sed \ 's/\(\b[A-Z]\)/\(\l)/g' (W)elcome (T)o (T)he (G)eek (S)tuff	Self-explanatory

<pre>sed -e '/^\$/,/^END/s/hills/\ mountains/g' file.txt</pre>	Swap 'hills' for 'mountains', but only on blocks of text beginning with a blank line, and ending with a line beginning with the three characters 'END', inclusive
sed -e '/^#/d' /etc/services   more	View the services file without the commented lines
sed '\$s@\([^:]*\):\([^:]*\) \)@\3:\2:\1@g' path.txt	Reverse order of items in the last line of path.txt
<pre>sed -n -e '/regexp/{=;x;1!p;g;\$!N;p;D;}'\ -e h file.txt</pre>	Print 1 line of context before and after the line matching, with a line number where the matching occurs
<pre>sed '/regex/{x;p;x;}' file.txt</pre>	Insert a new line above every line matching regex
sed '/AAA/!d; /BBB/!d; /CCC/!d' file.txt	Match AAA, BBB and CCC in any order
sed '/AAA.*BBB.*CCC/!d' file.txt	Match AAA, BBB and CCC in that order
sed -n '/^.\{65\}/p' file.txt	Print lines 65 chars long or more
sed -n '/^.\{65\}/!p' file.txt	Print lines 65 chars long or less
sed '/regex/G' file.txt	Insert blank line below every line
<pre>sed '/regex/{x;p;x;G;}' file.txt</pre>	Insert blank line above and below
	Number lines in file.txt
<pre>sed = file.txt   sed 'N;s/\n/\t/' sed -e :a -e 's/^.\{1,78\}\$/\</pre>	Align text flush right
sed -e .a -e 's/\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Align text center

### 6. Conclusion

This is only a part of what can be told about sed, but this series is meant as a practical guide, so we hope it helps you discover the power of Unix tools and become more efficient in your work.