

# sed

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- <http://www.tecmint.com/linux-sed-command-tips-tricks/>
- <https://www.cyberciti.biz/faq/how-to-use-sed-to-find-and-replace-text-in-files-in-linux-unix-shell/>
- [Complete Sed Command Guide](#)
- [Sed - An Introduction and Tutorial by Bruce Barnett](#)
- [Learn to use the Sed text editor](#)
- [THE SED FAQ](#)
- [Useful sed](#)
- [sed ????](#)

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????? / ?????? @ , | , %

**“Tip: ??????????????????????????????????”**

For `s` command

```
# /usr/bin |> local |> /usr/bin/local
sed 's@/usr/bin@&/local@g' path.txt
```

Other command

```
# [ ][ ][ ][ ][ ][ ][ ][ ][ ]
echo $PATH | sed -n '\@/usr/local/sbin@p'
```

??????

```
# [ ] [ ]
sed '/^#\|^$|^ *#/d' my.conf
```

```
# 删除文件
sed 's/#.*//' file.txt
```

```
# 替换: 将 1 替换为 Linux 或 Unix
sed 's/Linux/Unix/' linuxteck.txt
# 替换: 将 1 替换为 Linux 或 Unix (正则表达式)
sed 's/Linux/Unix/i' linuxteck.txt
```

```
# 替换: 将 2 替换为 Linux 或 Unix
sed 's/Linux/Unix/2' linuxteck.txt
# 替换: 将 1 替换为 Linux 或 Unix
sed '2 s/Linux/Unix/' linuxteck.txt
# 替换: 将 Linux 替换为 Unix
sed 's/Linux/Unix/g' linuxteck.txt
```

```
# 打印: 打印
sed -n p linuxteck.txt
# 打印: 打印 2-4 行
sed -n '2,4p' linuxteck.txt
# 打印: 打印 2-4 行
sed '2,4d' linuxteck.txt
# 打印: 打印 2-3, 5-6 行
sed -n -e '2,3p' -e '5,6p' linuxteck.txt
# 打印: 打印 operating 行
sed -n /operating/p linuxteck.txt
```

```
# 插入
sed G linuxteck.txt
# 插入
sed '/^#/G' file.txt
```

## ??????

```
# 删除 100 行
# 删除 p 行 d 行
sed -n '100,$p' my.txt
```

```
# 删除 3 行
sed '3q' my.txt
```

```
# 130 行
sed -n '130{p;q}' my.txt

# 100 - 130 行
sed -n '100,130p' my.txt
sed -n '100,130p;130q' my.txt

# all 行
sed -n '/all/, $p' my.txt

# start 行
sed '/start/q' file.txt

# 10 行
sed -n '/keyword/,/^$/p'

# Top 行 Bottom 行
sed -n '/Top/,/Bottom/p'

# 10 行
sed -n "/PATTERN/p" my.txt
sed -n "/PATN1\\|PATN2\\|PATN3/p" my.txt
```

??????

```
# 10 行
sed '/^#/d'

# 10 行 # 10 行
sed '/^#|^$/d'
sed '/^#/d;/^$/d' # for AIX

# ADMIN_ERP_ROLE, RPT01,...
sed '/ADMIN_ERP_ROLE/d;/RPT01/d'

# 10 行
sed '/^$/d'
sed '/^\\s*$/d'

# 42 行
```

```
sed 42d my.txt
```

```
# 删除
```

```
sed 's/[:space:]]//g' mywords
```

```
sed 's/^[ \t]*//;s/[ \t]*$//' mywords
```

```
sed 's/^[s*\|\\s*$//g' mywords
```

```
# 删除
```

```
sed 's/[:space:]]*$//'
```

```
# 删除 ^M (CR)
```

```
sed 's/^M//g' NOTE: to get ^M type CTRL+V followed by CTRL+M
```

```
sed 's/\r$//g'
```

```
# 删除 iXXXX, XXXX
```

```
sed '/^[i0-9]*d' mypasswd
```

```
# 删除
```

```
sed '$d' my.txt
```

## ????/????

```
# 2 删除 xxx
```

```
sed '2i xxx' my.txt
```

```
# 2 删除 yyy
```

```
sed '2a yyy' my.txt
```

```
# 删除 ****
```

```
sed '3 s/$/ ***/'
```

```
# 删除
```

```
sed -e '/pattern/ a\nestring' my.txt
```

```
# 删除 #
```

```
sed 's/^\# /' my.txt
```

```
# 删除 End
```

```
sed 's/$/ End/' my.txt
```

```
sed "s/ \ +/,/g"
```

```
sed 's|old|new|' mywords
```

```
sed -i 's/astlogdir =>.*$/astlogdir => /mnt/usb/vasterisk_log/g'
```

```
sed 's/none/#&/g' mywords
```

```
sed '/INCLUDE/r foo.h' sample.c
```

```
sed -n '/daemon/w 3.txt' 1.txt
```

lp:x:4:7:lp:/var/spool/lpd:/sbin/nologin

lp:x:4:7:lp:/var/spool/lpd:/sbin/nologin

```
# 000000 'ext3' 000[ ] 000
```

```
sed 's/ext3\+/[&]/g' my.txt
```

```
# [REDACTED]
```

```
sed -i 's/^\(User\|Group\).*\1 asterisk/' /etc/httpd/conf/httpd.conf
```

```
# [REDACTED] revoke [REDACTED]. & [REDACTED]
```

```
sed 's/^revoke.*$&\/' revoke_winnieop.sql
```

```
# [REDACTED], [REDACTED] <<<STRING>>>. "^.*$" [REDACTED], & [REDACTED]
```

```
sed 's@^.*$@<<<&>>>@g' path.txt
```

```
# [REDACTED] /usr/bin [REDACTED] local [REDACTED] /usr/bin/local
```

```
sed 's@usr/bin@&/local@g' path.txt
```

```
?? *.sh ???????? #!/bin/bash
```

```
sed -i.bak '1i #!/bin/bash' edit.sh
```

```
??????
```

```
sed -e '/^#/d' -e '/^$/d'
```

```
??????????????
```

```
$ cat cookie.txt
```

```
xxxx FALSE / FALSE 0 PHPSESSID dbbr5nsmib9tgm0h97sbq8ovd0
```

```
$ cat cookie.txt | sed 's/^\.*PHPSESSID[ \t]*//'
```

```
dbbr5nsmib9tgm0h97sbq8ovd0
```

```
??????????
```

```
?? 10.14.25.196 ? GA016E38 (Hex IP)
```

```
$ cat input.txt
```

```
GA160223.MAE3.219594040120
```

```
10.14.25.196.49611.200203080358
```

```
GA016E38.O5FA.259D81215343
```

```
10.4.1.29.41266.200114031620
```

```
GA12640A.M6EE.20EDC3093010
```

```
$ sed 's/^(.*)\.[A-Z0-9]*\.[A-Z0-9]*\1/' input.txt
```

```
GA160223
10.14.25.196
GA016E38
10.4.1.29
GA12640A
```

? CSV ?????????????? comma ??? @@ ?????????? comma ?????????????? comma  
???????????

```
sed 's/(,)\([^ ]\)/@@\2/g' orig.csv
```

```
“ s ??

\ ( \) \ ( \) ??????????

[ ^ ] ???????

\2 ??????????????????

g ?????????????????????????????????
```

?? A.AA B.BB C.CC 3 ??????????????????

```
sed 's/^\([0-9]\+\.[0-9]\+\) \([0-9]\+\.[0-9]\+\) \([0-9]\+\.[0-9]\+\).*$/1-minute: \1\n5-minute: \2\n15-minute: \3/g'
/proc/loadavg
```

```
“ ^\([0-9]\+\.[0-9]\+\) \([0-9]\+\.[0-9]\+\) \([0-9]\+\.[0-9]\+\).* $ ???

1-minute: \1\n5-minute: \2\n15-minute: \3 ???
```

??/? IP ??

```
sed -n '/^\([0-9]\{1,3\}\.\)\{3\}[0-9]\{1,3\}/p' my.txt
```

????? mailbox = xxx ? mailbox = xxx@context

```
sed 's/^mailbox = [0-9]*/&@context/g' users.conf
```

??????? AllowOverride None

```
“ ??????????????
  <Directory "/var/www/html">
  ...
  <Directory>
```

```
sed -i 's/AllowOverride None/AllowOverride All/2' /etc/httpd/conf/httpd.conf
```

?? { } ????????

```
“ <br/> <b>Notice</b>: Undefined variable: sn in
<b>/var/www/raida/service/fix.php</b> on line <b>259</b><br/>
{"server":"RAIDA17","sn":"","status":"success","message":"Fixed: Unit's AN
was changed to the PAN. Update your AN to the new PAN.","time":"2017-
04-08 06:08:25"}
```

```
echo $( cat http_get.txt ) | sed 's/.* \({.*}\)$\n1/'
```

?? [ ] ????

```
echo "[1070059:1,1070060:1,1070039:1]" | sed 's/^\[\\(.*)\]$\\1/'
```

?????

[illegible]

```
sed '/^"$/!d'
```

# "2021-09-26-23.13.02.097806"

```
sed '/^\"[0-9]\\+\\-[0-9]\\+\\-[0-9]\\+\\-[0-9]\\+\\.*/!d'
```

#  $\square$  PATTERN1 +  $\square$  PATTERN2 +  $\square$  WORDS

```
sed '/PATTERN1/!s/PATTERN2/WORDS/g'
```

```
# 5, foo bar
```



```
sed '5!/s/foo/bar/' file.txt
```

```
# start end
```

```
sed -rn '/start/,/end/ !p' file.txt
```

????

```
# Top Bottom
```

```
sed -n '/Top/,/Bottom/p'
```

```
# start end
```

```
sed -E '/start/,/end/ s/#.*/' file.txt
```

??????

??? 123456 ??? 123,456

```
echo "123456" | sed 's/(\^[^0-9.])\{0-9\}+([0-9]\{3\})\1\2\3/g'
```

(W)elcome (T)o (T)he (G)eek (S)tuff

```
echo "Welcome To The Geek Stuff" | sed 's/(\b[A-Z])\1/g'
```

Get the list of usernames in /etc/passwd

```
sed 's/([^\:]*).*\1/' /etc/passwd
```

????

```
sed -n '\@usr/local/bin@p' <<< $PATH
```

??????????

“ Tip: ( ) - + ???????????

groups

```
# domain users@winfoundry.com vdi_fc_it_std01@winfoundry.com pab_zwin_all2@winfoundry.com  
mis@winfoundry.com prtg_mfgs-r@winfoundry.com 1-3_vpn_it@winfoundry.com
```

```
groups | sed 's/^([a-z0-9_\-]\+@winfoundry.com \)\1\n/g'
```

#domain users@winfoundry.com

#quota@winfoundry.com

#it-w@winfoundry.com

#iso 14001-r@winfoundry.com

#mis@winfoundry.com

#it@winfoundry.com

#cqa\_spc-r\_old@winfoundry.com

#fab\_image-r@winfoundry.com

#hp4155b@winfoundry.com

#1-3\_vpn\_it@winfoundry.com

# Markdown ??

?? "? X ?" ??? Level 5 ??

# Search: \*\*□□□□\*\*

# Replace: ##### □□□□

```
sed 's/^\.*(\[ \.*\ \.*\)\*\*.*$/##### \1/' markdown/[ ]*.md
```

# Serch: \*\*\*\*

# Replace: ####

```
sed -i 's/^\*\*(\[\[\[\[\]\]\]\])\*\*(.*)$/#### \1\2/' markdown/[\[\[\[\[\]\]\]\]).md
```

?? "? X ?" ??? Level 6 ??

```
# Search: ** 1 **
```

```
# Replace: ##### 1
```

```
sed 's/^\.*(\\.[\\ ])*$/##### \\1/' markdown/####.md
```

????????

1

[illegible]

[illegible]

**1**

**2**

```
sed 'N;s/^\([123456789\])\n/1 /' markdown/[ ]/[ ]/[ ].md
```