

Commonly-Used Unix Commands

| DIRECTORIES | | | |
|-------------|---------------------------------------------|----------|-------------------------------------------|
| du | show space used | sort | sort lines in various ways |
| ls | list contents of directory | tr | change selected characters |
| mkdir | make directories | uniq | remove adjacent duplicate lines |
| rmdir | remove empty directories | MISC | |
| FILES | | cal | display a calendar |
| cat | concatenate files, send to std output | clear | clear screen |
| head | output the first part of files | date | prints time and date |
| less | like more, but allows backward movement | df | show space available |
| more | print file to screen by pages | echo | repeat command line to standard out |
| rm | remove files, directories, or links | open | command-line double-click |
| tac | reverse of cat (last lines go first) | script | record your typing in a file |
| tail | output the last part of files | sudo | temporarily act as super-user |
| touch | change date on a file | MOVE | |
| wc | give file size (bytes, words, and lines) | cd | change directories |
| HELP | | cp | copy files and directories |
| env | provide information about environment | ln | create links between files or directories |
| file | find file type | mv | move or rename files and directories |
| history | display last commands entered | popd | change back to earlier directory |
| kill | terminate a process | pushd | change directories but remember |
| locate | find file with specified name | PRINT | |
| man | print command manual page to screen | cancel | cancel printer jobs |
| ps | list running processes | lp | send files to printer |
| pwd | return working directory name | lpstat | check status of print jobs |
| top | display information about what is running | REMOTE | |
| which | locate a command that you could execute | scp | remote file copy |
| who | display who is logged in | ssh | login on a remote machine |
| whoami | return effective user id | SECURITY | |
| LINES | | chgrp | change group |
| awk | process lines | chmod | change security (permissions) of file |
| comm | give differences between three sorted files | chown | change owner |
| diff | give difference between two files | chsh | change your settings. password, etc |
| fgrep | extract lines that exactly match | STORE | |
| grep | extract lines with more general match | gunzip | uncompress file |
| paste | stick files together line-by-line | gzip | compress file |
| sed | stream editor | tar | create or extract archives of files |

Commonly-Used Command-line Arguments

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|------------|-------------------------------|-------------|---------------------------------------|
| chmod a+r | make readable by all | ls -a | list all files, including . files |
| chmod g+w | make writeable by group | ls -l | long listing |
| chmod o-x | make unexecutable by other | ls -r | reverse order of list |
| chmod u+x | make executable by yourself | ls -t | chronologically order list |
| comm -1 | omit lines in file 1 only | ps -a | list all processes |
| comm -12 | omit lines not in common | rm -f | forcible removal |
| comm -3 | omit lines in common | rm -r | recursive removal |
| cp -p | preserve data and permissions | script -aff | record to file named ff |
| df -k | show space in Kb | sed -f | edits commands in a file |
| du -k | show space in Kb | sort -n | sort in numerical order |
| fgrep -f | get strings from a file | sort -r | reverse order of sort |
| fgrep -v | omit lines containing string | tail -n | output the last n lines |
| grep -f | get strings from a file | tar -c | create tarfile |
| grep -v | omit lines containing string | tar -f | next argument is filename |
| head -n | output first n lines | tar -t | list tarfile |
| history -n | show the last n lines entered | tar -x | extract from tarfile |
| kill -9 | terminate unconditionally | touch -r | change date of second file to first's |
| ln -s | create symbolic link | uniq -c | count occurrences in a sorted list |
| lp -dpp | send to printer with name pp | | |