

Become more efficient at the command line with these handy Bash shortcuts.

HISTORY

Reverse search: `ctrl + r`
Rerun last command: `!!`
Reuse arguments from previous command: `!*`
Use last argument of last command: `!$`
nth argument: `!:2`
All the arguments: `!:1-$`
Last but n: `!-2:$`
Get the folder: `!$:h`
The current line: `!#:1`
Search and replace: `!!:gs`
Allow multiple terminals to write to the history file: `shopt -s histappend`
List the most used history commands: `history | awk 'BEGIN {FS="[\t]+|\\|\""} {print $3}' | sort | uniq -c | sort -nr | head`

FILE AND NAVIGATION

`cp /home/foo/realllylongname.cpp{,-old}`
`cd -`
`rename 's/text_to_find/been_renamed/' *.txt`
`export CDPATH='/var/log:~'` (variable is used with the `cd` built-in.)

COLOURIZE BASH

Enable colors
`eval "`dircolors -b`"`
Force `ls` to always use color and type indicators
`alias ls='ls -hF --color=auto'`
Make the `dir` command work kinda like in windows (long format)
`alias dir='ls --color=auto --format=long'`
Make `grep` highlight results using color
`export GREP_OPTIONS='--color=auto'`

`export LESS_TERMCAP_mb=$'\E[01;31m'`
`export LESS_TERMCAP_md=$'\E[01;33m'`
`export LESS_TERMCAP_me=$'\E[0m'`
`export LESS_TERMCAP_se=$'\E[0m' # end the info box`
`export LESS_TERMCAP_so=$'\E[01;42;30m' # begin the info box`
`export LESS_TERMCAP_ue=$'\E[0m'`
`export LESS_TERMCAP_us=$'\E[01;36m'`

RUNNING COMMANDS IN SEQUENCE

Run second command if the first is successful: `&&`
Run second command regardless of success of first one: `;`

REDIRECTING I/O

Redirect stdout and stderr to a file: `2>&1`

CHECK FOR OPEN PORTS

`echo > /dev/tcp/<server ip>/<port>`
``` (use back ticks to shell out)

## KEYBOARD SHORTCUTS

Corrects typos: `shopt -s cdspell`  
Undo: `ctrl + _`  
Move forward a word: `ctrl + arrow`  
Move cursor to start: `ctrl + a`  
Move cursor to end: `ctrl + e`  
Cuts everything after the cursor: `ctrl + k`  
Clears screen: `ctrl + l`  
Resume command that is in the foreground: `ctrl + q`  
Pause a long running command in the foreground: `ctrl + s`  
Swap two characters: `ctrl + t`  
Cuts everything before the cursor: `ctrl + u`  
Opens the command string in an editor so that you can edit it before it runs: `ctrl + x + ctrl + e`  
Expand glob/star: `ctrl + x + *`  
Move to the opposite end of the line: `ctrl + xx`  
Pastes from the buffer: `ctrl + y`  
Copy/paste into terminal: `ctrl + shift + c/v`

## EXAMINE EXECUTABLE

`which <command>`  
`file <path/to/file>`  
`command -V <some command binary>` (tells you whether <some binary> is a built-in, binary or alias)  
Topics  
LinuxBash

## INFO

[1] <https://opensource.com/article/18/5/bash-tricks>  
[2] <https://opensource.com/article/19/10/bash-history-shortcuts>