Mac Tips

G. Filosofi 2018

- The antispam filter in Mail is not active by default. Enable it under Preferences
- To add colors to vim editor: create a configuration file, open the terminal and enter: vim ~/.vimrc, then add the line syntax on
- To rename a pages document: open finder, select Documents from the sidebar, highlight that document, and press Enter
- To copy and past string format in Notes: select text, Format->Font->Copy Style, move cursor to.., Format->Font->Paste Style
- To open Spotlight: click Command+Spacebar
- From Spotlight we can do calculations, and drag expression into Note. Ex: tan(pi/4) =1
- From Spotlight we can search for a <item> and <type> of document with <item>:<type>. We can also use boolean operators AND,OR, ..
- To add an item (app/file/folder) in the Finder's Sidebar: hold down the Command key, then drag the item to the Favorites section.
- To remove the item from the Finder's Sidebar: drag the item icon out of the sidebar until you see a gray remove sign (x)
- To retrieve a file from Time Machine backup: enter Time Machine, select the desired file in the right backup, press Restore button
- To see system events and log messages run Console.app
- Go through Finder to a very long path string
  1. Copy the path
  2. Open Finder
  3. Press Cmd+Shift+G, then paste the path
- Get through Finder the path string of a file
  1. right click on the filename in the bottom bar
  2. copy as Pathname
- Launch a Terminal session from Finder
  1. Select the directory
  2. Finder > Services > New Terminal at Folder
- To import a .MOV video in iMovie, first convert the video in MP4 (for example you can use free converter HandBrake)
- To check active processes run Activity Monitor native app, or from Terminal
  $ launchctl list
  To stop a process in the current session
  $ sudo launchctl remove <process>
- To disable a program
  $ sudo launchctl disable system/com.teamviewer.service
  To re-enable
  $ sudo launchctl enable system/com.teamviewer.service
- Path of the KINGSTON USB Drive: /Volumes/KINGSTON
- To activate disk encryption with FileVault: from System Preferences->Security&Privacy->FileVault (this will slow down a lille the mac)
- To encrypt a folder
  1. Run Disk Utilities from Spotlight
  2. File > New Image > Image From Folder
  3. Select the folder
  4. Select the Encryption algorithm and the Image Format (read-write)
  5. Insert password (do not use keychain to store it)
  6. Now you have the .dmg archive. Access it as a disk (double click to mount, eject to unmount)

Keyboard shortcuts in macOS
- The Apple "Command" key (⌘, or Cmd) corresponds to the "Windows" key on a standard keyboard
- The Apple "Option" key (⌥, or Opt) corresponds to Alt key on standard keyboard
- Take a screenshot of your whole screen
    1. Press Cmd+Shift+3
    2. Find the screenshot as a .png file on your desktop (unless redirected elsewhere)
- Take a screenshot of a area
    1. Press Cmd+Shift+4 (or 5), then drag the area
    2. Find the screenshot as a .png file on your desktop
- Go through Finder to a very long filesystem path
    1. Copy the path
    2. Press Cmd+Shift+G, then paste the path
- Refresh Finder window
    1. Press Cmd+Up
    2. Press Cmd+Down
- Show/Hide hidden files in Finder: Cmd + Shift + .
- Open Finder Preferences: Cmd+,
- Switch to/from desktop with open apps reduced in size: Fn + F3
- Switch to/from desktop free of any app: F11
- To forward delete a character type Fn + backspace
- To Cut and Paste a file in Finder:
    1. use Cmd+C to copy
    2. usCmd+Opt+V to move the item to the new destination
- Full screen and back: Cmd + Ctrl + F
- During some background operation (like dd copying) to get statistical information: Ctrl + T
- Switch boot source: hold down Opt while turning ON
- Recovery mode: hold down Cmd+R while turning ON

Keyboard shortcuts in Terminal
- Clear the screen: Cmd+L
- Move the cursor at start/end of line: Fn+Shift+Left/Right

Keyboard shortcuts in Safari
- Switch from tab to tab: Ctrl+Tab

Terminal shell commands
- To open a file from Terminal with a specific app:
    $ open <filename> -a <appname>
- To clone and run a project from a remote repo:
    $ git clone https://github.com/bignerdranch/blog-ios-xcui-todo.git
    $ cd xcui-todo
    $ git checkout ui-tests-coming-soon
    $ open <prjname>.xcodeproj
- To see the list of all installed packages
    $ pkgutil --pkgs
- To know the version of a specific packages, e.g. of Command Line Tools
    $ pkgutil --pkg-info com.apple.pkg.CLTools_Executables
- To create a UUID (e.g. 6D57FA74-00E3-4BCF-8AEE-F578E5E19D1A)
    $ uuidgen
- Launch a Terminal session inside another directory of given <dirpath>
    $ open -a Terminal <dirpath>
- Open a ssh session from gfmacmini to gfmacbook (username is gabrielefilosofi)
    $ ssh gabrielefilosofi@<gfmacbook_ip>
- Open a ssh session from gfmacbook to gfmacmini (username is gabrielef)
    $ ssh gabrielef@<gfmacmini_ip>

- Copy a file from gfmacbook to gfmacmini (username is gabrielef)
  $ scp <filename> gabrielef@<gfmacmini_ip>:"/Users/gabrielefilosofi\ 1/"
- Run the Dunnet textual adventure by Ron Schnell (1982). *ronnie@driver-aces.com*
  $ emacs -batch -l dunnet
- To generate all strings of length <min> to <max> and save them in <filename>
  $ crunch 4 4 -o <filename>
- To generate all strings of length 8 beginning with bck_ followed by 4 numbers
  $ crunch 8 8 -t bck_%%%% -o <filename>
- To download, install and open an app from a web site. Consider this example
  $ cd ~/Download
  $ curl -O https://iterm2.com/downloads/stable/iTerm2-3_2_9.zip
  $ shasum -a 256 iTerm2-3_2_9.zip   (<- ensure it gives the same hash provided on website)
  $ unzip iTerm2-3_2_9.zip
  $ mv iTerm.app/ /Applications/
  $ spctl --add /applications/iTerm.app/   (<- authorize Gatekeeper control. Requires password)
  $ nohup open /Applications/iTerm.app/ &>/dev/null &