

GUI介面

Graphics User Interface

- 基本上就是圖像的介面
- 靠滑鼠點來告訴電腦該做什麼？
- 常見的Windows與Mac都是以GUI為主
- 第一次使用就上手
- 好用嗎？見仁見智🤔



CLI介面

Command Line Interface

- 基本上就是Shell
- 靠指令來告訴電腦該做什麼？
- 有些作業系統沒有圖像介面就只能用Shell
- 幫別人管理電腦時全都是CLI介面
- 可以透過Shell直接叫Kernel幫你做事

```
emond          fstyp_msdos      mount_9p        mount_lifs      newf
fibreconfig    fstyp_ntfs      mount_acfs      mount_msdos     newf
fsck            fstyp_udf       mount_afp       mount_nfs       newf
fsck_apfs      halt            mount_apfs      mount_ntfs      nfsd
fsck_cs        ifconfig        mount_cd9660    mount_smbfs     nfsi
fsck_exfat     kextload        mount_cddafs    mount_tmpfs     nolo
hts@tianzhidaodeMBP /sbin % tldr md5

md5

Calculate MD5 cryptographic checksums.
More information: <https://ss64.com/osx/md5.html>.

- Calculate the MD5 checksum for a file:
  md5 filename

- Calculate MD5 checksums for multiple files:
  md5 filename1 filename2

- Output only the md5 checksum (no filename):
  md5 -q filename

- Print a checksum of the given string:
  md5 -s "string"

hts@tianzhidaodeMBP /sbin % cd ~
hts@tianzhidaodeMBP ~ % ls
192.168.0.1
21390.2025_arm64_zh-tw_multi_7811e991_convert
21390.2025_arm64_zh-tw_multi_7811e991_convert.zip
514brew install.sh
Applications
Chang_LANG
Desktop
Documents
Downloads
GHH
Google 雲端硬碟
HEAD_FIRST_C
Library
MIT_fib
MIT_fib.c
MIT_fib.s
Movies
Music
OS Doc
PID_CODE
Pictures
Projects
Public
Sites
TTU_code
autoconf
chu.c
config.log
cowsay
drow_lots
drow_lots.c
export LANG=zh_TW.UTF-8
hexa
hexa.c
htop.c.c
iCloud雲碟 (封存檔)
index
learning-activity
meArm_code
openloop
ping.c
rev.c
tldr.git
ttussc
valgrind-3.18.1
valgrind-3.18.1.tar.bz1.bz2
var
var.c
vimrecp
yankring_history_v2.txt
雲端照片
hts@tianzhidaodeMBP ~ % mv Desktop/temporary/* Desktop/科創社/meme
hts@tianzhidaodeMBP ~ %
```