

### ssh

sshfs [USER@HOST]: [remote directory] mountpoint [options]	mount remote drive in mountpoint
ssh -o ServerAliveInterval=X -o ServerAliveCountMax=Y [HOST]	Maintaining ssh connection for X seconds and Y tries
ssh-copy-id -i ~/.ssh/id_rsa [USER@HOST]	add authentication via ssh, not .pub file
autossh -N -f -L localhost:[PORT]:localhost:[PORT] [USER@HOST]	map local port PORTU to PORTR on USER@HOST with autoreconnect

### operations on files & drives

cp -r \$(cat file_list.txt) outdir	copies files & directories listed in file_list.txt to outdir
xargs -a file_list.txt cp -r -t outdir	same as above
tar -v -czf file.tar.gz /path/to/compress	create -cf archive -xf for extract
unzip file.zip -d file	unzip file.zip to file directory (must exist before)
mkdir -p dir	make parent directories as needed, no error
rm -r !(*.ext)	delete everything except files with extension .ext
du -hs dir	check size of dir use -h for GB or -m for MB
basename path/basename.ext	get basename from path without ext
grep -i -r -E 'pattern1   pattern2   pattern3'	multiple patterns with grep -i case insensitive -r recursive
find PATH -iname "pattern" -type d/f	list files or directories with matching pattern in specified PATH

### Statements

while read line; do [Command] done < input.file	Loop over file content
for file in /*.extension; do [Command] done	loop over files in directory
if test -f file.txt; then [Command] fi	check if file exists -f, -d for directory
if [-f file.txt]; then [Command] fi	same different syntax
if [ -z "\$1 " ]; then fi	checks if arg \$1 is empty
function function_name { <commands> }	function declaration, \$1 \$2 - argument names
"\$?"	return exit status from last command
\$(expr)	evaluate expr and store/print its result

### system

cat /proc/cpuinfo #or lscpu	cpu informations
uname -a	OS informations
ss -tpln	show forwarded ports
lsblk -S	list block devices -S for minimal view
dd if=/path/to/image.iso of=/drive/location bs=4M && sync	create bootable drive from image.iso
sudo mount [drive] [mount point]	mounts drive at mount point
kill -9 \$(pgrep -f [pattern])	terminate all processes matching pattern
printenv	print all env variables

### git

git rm -r --cached <path/file.ext>	remove untracked files
git clean -d -n/f	remove undone changes add: -n to show files to remove or -f to remove them
git fetch --all [branch_name]	copies all changes from last pull/clone on current branch or given branch name



### git (cont)

```
git log --not --remotes
```

all commits on all branches that aren't pushed yet

```
git checkout -b <new_branch>
```

change & create new branch

```
git switch -c <new_branch>
```

same as above



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