Cheatography

Shell utilities & sytem management Cheat Sheet

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ssh

sshfs [USER@ HOS T]: [remot e_d ire ctory] mountpoint [options]	mount remote drive in mountpoint
ssh -o Server Ali veI nterval=X -o Server Ali veC oun tMax=Y [HOST]	Maintaining ssh conection for X seconds and Y tries
ssh-co py-id -i ~/.ssh /id_rsa [USER@ HOST]	add autentication via ssh, not .pub file
autossh -N -f -L localhost :[P ORT U]: loc alhost :[P ORTR] [USER@ HOST]	map local port PORTU to PORTR on USER@HOST with autoreconnect

operations on files & drives

cp -r $(< fil e_list ed.txt) outdir	copies files & directories listed in file_l ist ed.txtto outdir
xargs -a file_l isted.txt cp -r -t outdir	same as above
tar -(v)czf file.tar.gz /path/ to_compres	create -cf archive -xf for extract
unzip file.zip -d file	unzip file.zip to file directory (must exists 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/b ase nam e.ext .ext	get basename from path without ext
grep -i -r -E 'patte rn1 |pa tte rn2 |pa ttern3'	multiple patterns with grep -i case insensitive -r recursive
find PATH -(i)name " pat ter n" -type d/f	list f files or d directories with matching pattern in specified PATH

Statements

while read line; do [Command] done < input.file	Loop over file content
for file in ./*.ex ten tion; 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 " $S1 "]; then fi	checks if arg $1 is empty
function functi on_name { <co mma nds> }	function declaration, $1 $2 - argument names
" $?"	return exit status from last command
$(expr)	evaluate expr and store/-print it's 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=/pa th / t o/ image.iso of=/dr iv e / 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 <pa th/fil e.e xt>	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 [branc h_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 <ne - w_b ran ch>`	change & create new branch
`git switch -c <ne - w_b ran ch>`	same as above