CHEAT SHEET · FOUR SKILLS

The 10% of the terminal that solves 90% of the job

Full explanation, with animations: jmramirez.engineer/writing/terminal-10-90/

jmramirez.engineer

1 · MOVING AROUND

`pwd`	where am I?
`ls`	what is here?
`cd folder`	go in, relative to where you are
`cd ..`	up one level
`cd ~`	back home
`nano file`	edit: Ctrl-O, Enter saves; Ctrl-X exits
`Tab`	completes names

2 · GETTING INTO OTHER MACHINES

`ssh-keygen -t ed25519`	your key pair (once)
`ssh-copy-id username@10.0.3.7`	leaves the public key on the server
`ssh gpu`	get in with the alias
`scp file gpu:path/`	send a file
`scp gpu:path/file .`	bring it back
`exit`	get out

~/.SSH/CONFIG

```
Host gpu
    HostName 10.0.3.7
    User username
```

Your agent uses the same alias and logs in as you: keep production keys off that machine, and approve every ssh.

3 · KEEPING JOBS RUNNING

`tmux new -s train`	opens a named session
`Ctrl-b d`	you leave; it keeps running
`tmux ls`	list sessions
`tmux attach -t train`	you come back
`Ctrl-b %`	splits into two panes
`Ctrl-b ←/→`	switches pane

```
tmux new -s claude
claude          # or codex
```

Give it the task, leave with Ctrl-b d and come back whenever you like.

4 · SEEING WHAT IS GOING ON

`top`	CPU and memory per process; q quits
`nvidia-smi`	GPU: memory, utilization, who holds it
`watch -n 1 nvidia-smi`	the same, every second
`ps -o user=,args= -p PID`	whose is it, and what is it?
`kill PID`	end it (only if it is yours)

Windows: pwd, ls, cd, ssh and scp work in PowerShell; tmux, inside WSL or on the server.

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