Tailscale Mesh VPN CLI

START HERE

`sudo tailscale up`
Connect and log in

`tailscale file cp <file> <host>:`
Send a file

`tailscale status`
List devices and state

`sudo tailscale down`
Disconnect

`tailscale ip -4`
My tailnet IPv4

`tailscale ping <host>`
Test the path to a peer

`tailscale ssh <host>`
SSH via your tailnet

`tailscale serve --bg <port>`
Share a local port

Device tailscaled — **login** → — **Coordination** keys and policy — **direct or relay** → — **Peer** WireGuard tunnel

CONCEPTS

Every device on your tailnet gets a stable 100.x.y.z address and a MagicDNS name, so you can reach it from anywhere.

Linux needs the tailscaled daemon running; the CLI only talks to it. Most commands that change state need sudo there.

Prefer tailscale set to change one preference; tailscale up needs every non-default flag repeated or it errors.

CONNECT

`sudo tailscale up`
Connect and log in

`sudo tailscale down`
Disconnect from the tailnet

`tailscale up --auth-key=<key>`
Log in unattended with a key

`tailscale up --ssh`
Enable Tailscale SSH on this device

`tailscale up --force-reauth`
Force a new login

`tailscale login`
Log in without bringing it up

CONNECT (cont.)

`tailscale logout`
Expire this device's login

`tailscale switch <account>`
Switch between accounts

`tailscale version`
Show client version

STATUS AND ADDRESSES

`tailscale status`
List devices and connection state

`tailscale status --json`
Machine-readable status

`tailscale ip -4`
My IPv4 address

`tailscale ip -6`
My IPv6 address

`tailscale ip <host>`
A peer's address

`tailscale whois <ip>`
Which device and user owns an IP

`tailscale dns status`
Show DNS settings in use

`tailscale dns query <name>`
Resolve a name the Tailscale way

REACH PEERS

`tailscale ping <host>`
Test the path to a peer

REACH PEERS (cont.)

`tailscale ping --until-direct <host>`
Ping until a direct path is found

`tailscale ping -c 3 <host>`
Send only 3 pings

`tailscale ssh [user@]<host>`
SSH over the tailnet

`tailscale netcheck`
Report NAT, UDP and relay latency

`tailscale file cp <file> <host>:`
Send a file to a peer

`tailscale file get <dir>`
Receive waiting files into a folder

`tailscale file get --wait <dir>`
Wait for incoming files

SHARE SERVICES

`tailscale serve --bg <port>`
Share a local port on your tailnet

`tailscale serve --bg --https=443 localhost:<port>`
Proxy a service over HTTPS

`tailscale serve --set-path=/<path> localhost:<port>`
Mount a service under a path

SHARE SERVICES (cont.)

`tailscale serve --tcp=<port> tcp://localhost:<port>`
Forward raw TCP

`tailscale serve status`
Show what is shared

`tailscale serve reset`
Remove all serve config

`tailscale funnel --bg <port>`
Share a port on the public internet

`tailscale funnel status`
Show public shares

`tailscale funnel reset`
Stop all public sharing

`tailscale cert <name>.ts.net`
Get a Let's Encrypt certificate

EXIT NODES AND ROUTES

`sudo tailscale set --advertise-exit-node`
Offer this device as an exit node

`tailscale exit-node list`
List available exit nodes

`tailscale exit-node suggest`
Suggest the best exit node

EXIT NODES AND ROUTES (cont.)

`sudo tailscale set --exit-node=<ip|name>`
Route all traffic through a node

`sudo tailscale set --exit-node=`
Stop using an exit node

`tailscale set --exit-node-allow-lan-access`
Keep local network reachable

`tailscale set --advertise-routes=<cidr>`
Share a subnet with the tailnet

`tailscale set --accept-routes`
Use subnets others advertise

Advertised exit nodes and subnet routes must be approved in the admin console before they take effect, and Linux routers need IP forwarding.

PREFERENCES

`tailscale set --hostname=<name>`
Rename this device

`tailscale set --accept-dns=false`
Don't let Tailscale manage DNS

`tailscale set --shields-up`
Block incoming connections

PREFERENCES (cont.)

`tailscale set --ssh`
Turn Tailscale SSH on

`tailscale set --operator=$USER`
Run the CLI without sudo

RECIPES

Use a home server as exit node

```
# on the server (IP forwarding enabled)
sudo tailscale set --advertise-exit-node
# approve it in the admin console, then on the laptop:
tailscale exit-node list
sudo tailscale set --exit-node=<server>
# done:
sudo tailscale set --exit-node=
```

Show a dev server to a teammate

```
python3 -m http.server 8000 &
tailscale serve --bg 8000
tailscale serve status
# or publicly:
tailscale funnel --bg 8000
```

Move a file between machines

```
tailscale file cp report.pdf laptop:
# on laptop:
tailscale file get ~/Downloads
```

Why is my connection slow?

```
tailscale ping --until-direct <host>
tailscale netcheck
tailscale status | grep <host>
```