Tailscale Mesh VPN CLI

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.

Device tailscaled
↓ login
Coordination keys and policy
↓ direct or relay
Peer WireGuard tunnel

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 login
Log in without bringing it up

tailscale logout
Expire this device's login

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

STATUS AND ADDRESSES (cont.)

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

REACH PEERS

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

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

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

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

tailscale set --ssh
Turn Tailscale SSH on

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=
```