

Tailscale

[Tailscale](#) ??? Mesh VPN ??????? WireGuard ? end-to-end ?? VPN ?????? Peer-to-peer VPN
???? NAT???????????????? 3 ??? 100 ?????

???

- Peer-to-peer VPN ???IoT ?????
- Tunnel VPN ???Netflix Sharing
- ????????? Client-server ??
- ?????????
- ????????????????????????????????????? NAT ?????????????
- ???
 - ????????????? Google, Microsoft AD, GitHub, Okta ??
 - Access Controls Lists (ACLs)
 - ?????????

???

- [Tailscale quickstart](#)
- [How you can connect two home labs with a site-to-site VPN \(and why you should\)](#)
- [How to Set Up Remote Access to Your Local Network Using Tailscale VPN](#)
- NetBird: [I switched from Tailscale to this fully self-hosted alternative, and I'm loving it so far](#)
- [Headscale: Awesome Self-Hosted Tailscale Control Server - Virtualization Howto](#)

Alternatives

- [Twingate](#) - ?????????5 users for free
 - [Docs: Twingate](#)
 - [Video] [the END of VPNs?](#)

Peer-to-peer VPN

- ????????????? tailnet ?????????????????????????????
- ?? IoT ????????
- Tailnet ??????

Tunnet VPN


```
tailscale set --accept-dns=false
```

Exit Node

Advertise a device as an exit node

1. ???? tailscale client
2. ???? IP forwarding
3. ?? tailscale ??
4. ?? Exit node

?? IP forwarding

```
echo 'net.ipv4.ip_forward = 1' | sudo tee -a /etc/sysctl.d/99-tailscale.conf
echo 'net.ipv6.conf.all.forwarding = 1' | sudo tee -a /etc/sysctl.d/99-tailscale.conf
sudo sysctl -p /etc/sysctl.d/99-tailscale.conf
```

?? tailscale ??

```
sudo tailscale up
```

?? Exit node

```
sudo tailscale set --advertise-exit-node
```

?????????

1. Go to the **Machines** page of the admin console.
2. Locate the device in the list. It should display the **Exit Node** badge.
3. Select the ?? menu, then select **Edit route settings**.
4. Check the **Use as exit node** box, then select Save.

Use exit node

```
sudo tailscale up
tailscale status
sudo tailscale set --exit-node=<exit-node-ip>

# To stop using an exit node
sudo tailscale set --exit-node=
```

Tailscale Serve

?? Tailnet ?? Reverse Proxy ?????????????????? localhost ????

???? https???? Tailscale ????? HTTPS Certificates????????????? https://your-device.tailnet-domain?

```
sudo tailscale serve --bg --https=443 127.0.0.1:18789
```

Tools

- [tsui](#) - An (experimental) elegant TUI for configuring Tailscale.

Tailscale on Proxmox

- [Tailscale-LXC/Guide at main · mossc001/Tailscale-LXC · GitHub](#)
- [Tailscale on a Proxmox host · Tailscale Docs](#)
- [Tailscale in LXC containers · Tailscale Docs](#)
- [Installing Tailscale within an LXC container – techwithbrad.com](#)

ScaleTail

? Docker ????? Tailscale ???????????

- [GitHub - tailscale-dev/ScaleTail: Tailscale Sidecar Configurations for Docker · GitHub](#)