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r/selfhosted • 3 yr. ago

Reverent

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Setting up Headscale VPN

Guide

Hi all, I decided to do another guide series on [setting up headscale VPN](#) for those of you who want to move from a vanilla openVPN or wireguard configuration. Feedback is always welcome, this certainly isn't the first set of guides I've posted in [r/selfhosted](#).

39

8



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Virtual Private Networks (VPNs) are a fantastic technology. They let us send out our private infrastructure in a secure and encrypted fashion. For people who don't want to brave the dangers of exposing services to the web, they are an invaluable tool.

One of the most well known VPNs out there is [wireguard](#). Wireguard lets us create VPNs in a simple, incredibly resource efficient manner. In fact, some of you might already use wireguard as a site to site vpn. Fantastic! However this guide isn't about wireguard.

Something wireguard is less known for, but is far more impressive, is its capability to be a building block for large scale networks. Smart VPNs that utilise wireguard internally have *exploded* lately. Here's a fun list:

- [Headscale](#)
- [Netmaker](#)
- [Tailscale](#) (SaaS)
- [Cloudflare Argo](#) (SaaS)
- [Nebula](#) (noise based, sort of wireguard-adjacent)

That's nowhere near a comprehensive list, but it's a good start. This guide is going to delve into making our own smart VPN with Headscale.

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safe-uk • 3y ago

Hi I am looking at self hosting my own vpn using pritunl VPN software on Linux VPS. I would welcome your feedback. Thanks

1 [Reply](#) ...



Iceman-1317 • 3y ago

Hey OP, I would be very interested in a comprehensive headscale tutorial. I went with ZeroTier because I liked that I can selfhost but I would love to use headscale or Netmaker, but a good guide is hard to come by. I'll be looking forward to your tutorial

1 [Reply](#) ...



froid_san • 2y ago

I tried checking this out of curiosity and I've been using wireguard for years.

I've successfully followed the guide and it worked, thanks to the detailed guide.

but after finishing I got confused as headscale gui and /web or /windows is just right there out in the public for anybody to access. So, I'm really confused about security or how to secure my newly build headscale VPN

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EDIT.

Windows clients require registry change

Got dam... ok if I want family to use it I will need to look into zero tier

⬇️ 1 ⬆️ Reply ...



fbartels • 3y ago

Registry changes are quite easy to automate. just provide them with a .reg file.

⬆️ 1 ⬇️ Reply ...

⊕ 1 more reply



madrascafe • 2y ago

i know this is a bit old, but can you please merge the headscale & caddy docker compose into one single file?
i tried but i'm getting a bit confused with the network section.

⬆️ 1 ⬇️ Reply ...

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23 comments



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27 comments



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