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r/selfhosted • 1 yr. ago

Homelanderr420



HeadScale without reverse proxy under Cloudflare tunnel

VPN

hey, i'm still a noob in the homelab area and i tried to make some apps like nextcloud publicly available thorough reverse proxy and port opening with Nginx proxy manager (NPM) but i knew that this is a security risk so, i said that i will access my home network with a vpn so i was wondering if i setup headscale with cloudflare tunneling without any port forwarding will that be a good move or not ?



1



14



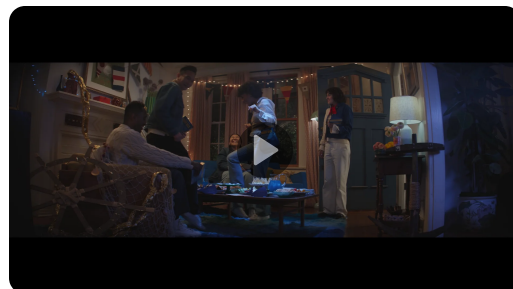
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sk1nT7 • 1y ago • Edited 1y ago

Sure you can do so. I personally do not really get the hype about Cloudflare Tunnels and Tailscale (in your case at least headscale, which is selfhosted). Furthermore, there seems to be a current bug in the latest Android mobile app of tailscale released, which effectively prevents you from using your own headscale server.

I would just spawn up wg-easy and port forward the wireguard network service. Then you can remote in whenever you like. If you have a static IP, it's done within a few seconds. Otherwise combine with a domain or/and dyndns.

BTW: Port forwarding itself is not a direct risk. It depends what services you expose. Even if you use CF tunnels, your exposed applications can still be compromised. It's not the opened port that causes issues, it's the exposed network service that may be susceptible to a vulnerability.



3



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**Homelanderr420** OP • 1y ago

ok thanks

the android client for tailscale is working with me but only when i try my local domain and not the public one, idk if that problem from me or from the android client but i can put a custom domain server to use

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**sarkyscouser** • 1y ago

Bear in mind that Cloudflare is itself a reverse proxy, just in the cloud rather than self-hosted

1 Reply ...

**Homelanderr420** OP • 1y ago

yeah i know but at least i won't open any ports in my router

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**GolemancerVekk** • 1y ago

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that account.

- You have to install vouch-proxy alongside NPM.
- You have to add vouch-proxy to NPM as a proxy host, just like NextCloud (for example if you have <https://nextcloud.yourdomain.com> you also need <https://vouch.yourdomain.com>).
- In the NPM config go to *the NextCloud* proxy host, edit it, go to the Advanced tab, and add [the stuff in this example](#), but only from "auth_request /validate" to and including the "location @error401 {}" block. You don't need the SSL certificate stuff because NPM does that for you. From the "location / {}" block you only need the "proxy_set_header" line, not the "proxy_pass" line.
- You may have to replace "127.0.0.1" with the local address or host name where Vouch is installed. For example if you make a docker network and call the container "vouch" it could be "vouch:9090" instead of "127.0.0.1".
- You will have to replace "vouch.yourdomain.com" with your real domain, and also 9090 with the port you forward. If you forward 443 then you can leave it off, it's the default for https.

If it needs to be said, you MUST set NPM up with TLS certificates before you do any of this! If your NextCloud can't be accessed at a **https** address don't even bother setting up vouch.



cosmic_chimb • 4mo ago

I've been looking for something like this forever!!



randomcoww • 1y ago

I wasn't able to get this to work, at least not on the free tier of CF tunnel. I think I was running into the same issue as this:

<https://github.com/cloudflare/cloudflared/issues/990>



earvingad • 1y ago

You can set headscale without a reverse proxy (you will still need to open 8080 port) but you will need a dns record pointing to the IP where headscale is running (you can use duckdns). Once set, you can also run tailscale (you will need to open up port 41641) in the same machine you run headscale.

See if this can help you:

<https://earvingad.github.io/posts/headscale/>

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Can someone PLS explain which is better? Tailscale, CloudFlare tunnel or domain name with reverse proxy.

17 upvotes · 29 comments



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cloudflare tunnel alternative?

28 upvotes · 38 comments



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How do I setup local DNS, reverse proxy, and cloudflare to work properly

9 upvotes · 15 comments



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Self-hosted security - easy option - Tailscale / Cloudflare tunnel / other?

18 upvotes · 32 comments



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Cloudflare Alternative?

20 upvotes · 11 comments



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Why Cloudflare Tunnels(Zero Trust) if free?

165 upvotes · 202 comments



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Cloudflare + Nginx Proxy Manager

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So, cloudflare is blocked, what now?

47 comments



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Cloudflare alternative?

15 comments



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Switching from Cloudflare tunnels to Nginx proxy manager with dynamic IP address

5 upvotes · 14 comments



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What's the best self-hosted tunnel/reverse proxy for both TCP and UDP (without needing client installs)?

32 upvotes · 37 comments



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Trying to move away from Cloudflare...

18 comments



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The reverse proxy really is the pain point when self hosting, any suggestions?

292 upvotes · 370 comments



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Easiest way to do authentication and reverse proxy

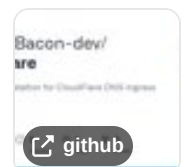
3 upvotes · 16 comments



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100 upvotes · 33 comments



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84 upvotes · 38 comments

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Just Another Secure Deployment Model for Headscale Using Rathole and Nginx Proxy Manager

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29 upvotes · 27 comments

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Is there an easier way to use cloudflared tunnels?



348 upvotes · 136 comments

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ReDeploy - A cloudflare pages like application, but locally

76 upvotes · 6 comments



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