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r/selfhosted



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[Log In](#)**r/selfhosted** • 1 yr. ago
Complete_Message_985

Exposing to public with tailscale (headscale). Is it possible?

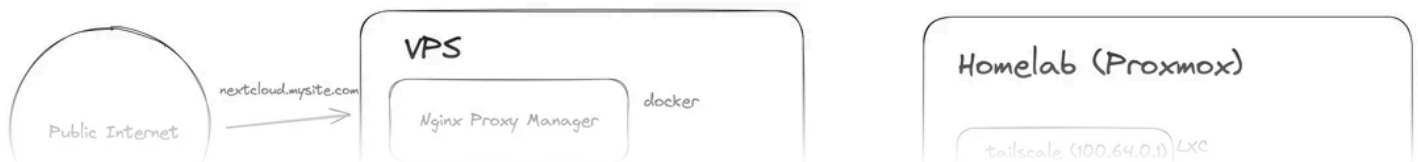
[Need Help](#)

I have a proxmox instance with my homelab and nextcloud. I also have a VPS, with NPM installed via docker. I already own a domain pointing to my VPS. I installed headscale via docker on a VPS and tailscale client within LXC on my homelab and that works.

My question is:

Is it possible to expose my homelab services (eg nextcloud) to public by somehow connecting NPM container with tailscale network?

P.S. Cloudflare tunnel not an option until I gave up

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**mrpink57** • 1y ago

You could by just having the network used for NPM as the tailscale network/container.

The container should be for tailscale not headscale containr, headscae is just the controler server.



5

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GolemancerVekk • 1y ago

It is possible to use a VPS as a forward point and it's actually common practice for situations where your home server is behind ISP NAT. But setting up Headscale can be overkill if you *only* use it for this.

Normally, if you only need to forward one port you would use a SSH tunnel, which is readily available on any Linux VPS. [This discussion](#) has a ton of information about setting up proxying with SSH tunnel.

If you need to forward an entire network interface (multiple ports which vary) you would set up a VPN, which nowadays is usually WireGuard because it's included with the Linux kernel and somewhat easier to set up than OpenVPN.

If you intend to use Headscale/Tailscale for other things you can of course use them as the VPN for this.

You can also use Tailscale Funnels to have a public entry point directly to your home server through the NAT (no VPS needed) but please be aware that you can't use your own domain (have to use their .ts.net subdomains) and they intercept TLS connections (and so does CloudFlare).

You don't necessarily have to put NPM on the VPS. You can chain proxies. You can have a simple proxy (caddy, if you're familiar with that) running directly on the VPS (no container) and forwarding connections into the tunnel, and set up NPM at home.

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PhilipLGriffiths88 • 1y ago

I would point out too, as this is self-hosted, there are a whole bunch you can self-host and are open source - <https://github.com/anderspitman/awesome-tunneling>. I will advocate for zrok.io as I work on its parent project, OpenZiti. zrok is open source and has a free SaaS too.

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Complete_Message_985 OP • 1y ago

Thanks for your explanation, and those linked thread is great to see other solutions. I plan to use tailscale just to reuse the function of private access to my services an publicly-available ones via the same technology

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jtnishi • 1y ago

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Tailscale client, set up forwarding such as with a site to site VPN, and then have NPM basically forward to 192.168.0.20 in the back. I think there's probably a missing Tailscale client on your VPS side that would then accept the route, but again, I don't know if headscale would act as a client in this case.

But in short, should be doable.



[deleted] • 1y ago

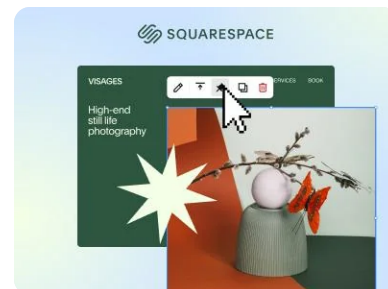
I do this with Wireguard on the VPS acting as the endpoint, it routes my desired ports to my home system (a QEMU VM running on KVM on a laptop) which runs Wireguard to establish the VPN.



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peveleigh • 1y ago

Put NPM and Headscale on the same Docker network.



leiyutian • 1y ago

Try FRP(fast reverse proxy) instead



obarlev • 1y ago

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r/transpositive • 5 mo. ago

If you told me 5 years ago that I would be able to look like this I wouldn't believe you



1.7K upvotes · 43 comments



r/TransMasc • 2 mo. ago

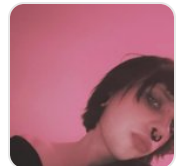
Publicly male but privately transmas?

152 upvotes · 30 comments



r/transpositive • 2 mo. ago

Insecure about my appearance

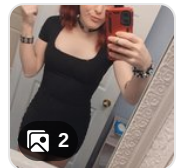


46 upvotes · 7 comments



r/transpositive • 3 mo. ago

If you had told me when I first started transitioning that I would ever look even half as good as this I wouldn't have believed it lol

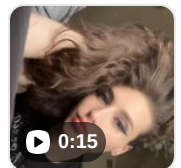


177 upvotes · 8 comments



r/transpositive • 2 mo. ago

This is me after 2 years on HRT. (No surgeries yet) I love you all, always believe in yourself.

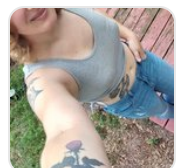


398 upvotes · 14 comments



r/transpositive • 7 mo. ago

Almost 2 years and I'm a completely new person.



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I really never thought I'd get this far, and as much as I've been struggling with dysphoria lately, I am so happy I did this. 😭

186 upvotes · 10 comments



 r/enby • 5 mo. ago

Had to shave for safety, but still feeling those transmasc vibes ✨

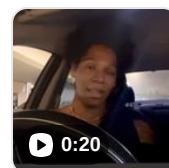
94 upvotes · 9 comments



 r/transpositive • 6 mo. ago

how well do I pass here?

70 upvotes · 12 comments



 r/AccidentalAlly • 3 mo. ago

I'm transmasc 😂

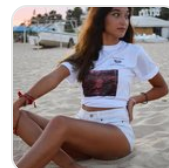
1.2K upvotes · 67 comments



 r/transpositive • 1 mo. ago

My first baby steps as a transgirl. Proud how far I came.

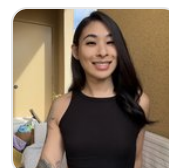
1.3K upvotes · 40 comments



 r/transpositive • 1 mo. ago

Still working on the facial hair, but getting close to eliminating all of it :)

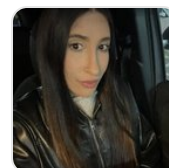
491 upvotes · 17 comments



 r/transpositive • 1 mo. ago

8 years since I started transitioning 🏳️🌈 😊

99 upvotes · 7 comments



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I'm starting to find the light at the end of the tunnel.

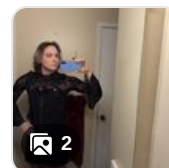


149 upvotes · 10 comments



r/transpositive • 2 mo. ago

Trying to abandon the concept of 'passing' and embrace my transness and body at its face value



85 upvotes · 8 comments



r/Transmedical • 2 mo. ago

This is not a transsexual ,imo.



88 upvotes · 41 comments



r/Transmedical • 4 mo. ago

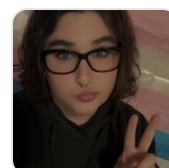
Passability delusion..let's talk about it :)

61 upvotes · 61 comments



r/TransLater • 1 mo. ago

I exist, I am valid.



845 upvotes · 41 comments



r/FTMOver30 • 4 mo. ago

How do I explain this to cis people?

139 upvotes · 83 comments



r/TransLater • 3 mo. ago

What can I do to become more passable ?

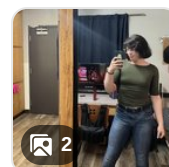


49 upvotes · 28 comments



r/transpositive • 4 mo. ago

For the first time I feel good about how I look



625 upvotes · 14 comments



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135 upvotes · 23 comments

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