

[Skip to main content](#)

r/Tailscale



Search in r/Tailscale

[Log In](#)

r/Tailscale • 1 yr. ago

Academic_Bridge_633



Regarding the DERP relay

Question

Two nodes are able to establish a WireGuard connection, as I can see the logs indicating successful handshake. The keepalive packets are also functioning properly. However, when I try to send a file from Node A to Node B, for example using the scp

command, I noticed that the data goes through DERP first. When I check the output of tailscale status, I see records of relays. But based on my understanding, since the WireGuard connection is already established, why does the data still have to go through DERP for transmission?



4



7



Share



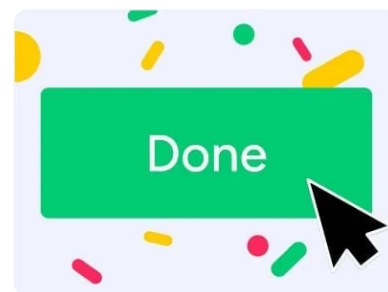
monday_com • Promoted



The feeling of not having enough time to finish all your tasks is real! Well, with monday.com's work management platform, get more done in less time with automations, real-time communication, and notifications. Smash that done button! Try now.

[Sign Up](#)

monday.com

[+ Add a comment](#)Sort by: **Best** ▾

Search Comments



EDACertor • 1y ago

Tailscale uses DERP relaying as a fallback when a direct connection can't be established. You could disable DERP for your tailnet via policy, but I suspect that you would then just get no connection at all.

What you're seeing in the logs might be the relayed handshakes, not necessarily direct connections.



3



Reply

Academic_Bridge_633 **OP** • 1y ago

I saw the successful handshake and keepalive logs in the code of wireguard-go, so it should be that the handshake and keepalive of wireguard itself are successful. My understanding is, since wireguard can establish a successful connection, why do we still need to use DERP relay?



0



Reply



[Skip to main content](#)[Log In](#)

more importantly, what needs to be true to avoid DERP : it's killing my connection speeds, and I don't know how to avoid it.

2 [Reply](#) ...



julietscause • 1y ago • Edited 1y ago

Few things to consider when it comes to establishing a direct connect

<https://tailscale.com/kb/1181/firewalls>

<https://tailscale.com/kb/1082/firewall-ports>

2 [Reply](#) ...



aith85 • 5mo ago

Direct connection is not always maintained if not used.

As soon as you try sending some data again, it will try to establish it again, so first data will be relayed and after a few you'll get the direct connection again.

1 [Reply](#) ...



Academic_Bridge_633 OP • 1y ago

How does Tailscale handle this logic internally? When should it go through DERP?

1 [Reply](#) ...



Academic_Bridge_633 OP • 1y ago

Is it possible to force the use of a tunnel without going through DERP?

0 [Reply](#) ...

New to Reddit?

Create your account and connect with a world of communities.



Continue with Google



Continue with Email



Continue With Phone Number

By continuing, you agree to our [User Agreement](#) and acknowledge that you understand the [Privacy Policy](#).

[Skip to main content](#)[Log In](#)

what does derp mean?



6 upvotes · 10 comments



r/RealDayTrading • 4 mo. ago

A more response RRS



67 upvotes · 18 comments



r/SilverDegenClub • 3 mo. ago

GSR, you have it wrong!

52 upvotes · 19 comments



r/POIS • 19 days ago

Racetams?

6 upvotes · 15 comments



r/martincitopants • 1 mo. ago

! SPOILER

REPUBLIC OF GREER

27 upvotes · 14 comments



r/hackrf • 5 mo. ago

SDR setup



86 upvotes · 10 comments



r/chibike • 3 mo. ago

Dprt



69 upvotes · 8 comments



r/NervosNetwork • 28 days ago

Community input

44 upvotes · 11 comments

Skip to main content

Log In

 github

36 upvotes · 14 comments

 r/SS13 · 1 mo. ago

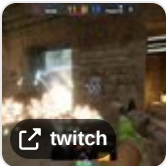
HoP's Orders



96 upvotes · 6 comments

 r/GlobalOffensive · 5 mo. ago

This is what RMR is all about



792 upvotes · 31 comments

 r/MWZombies · 6 mo. ago

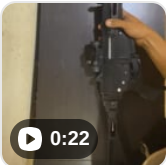
Another Res Story



155 upvotes · 35 comments

 r/GunnitRust · 1 mo. ago

CMR9



60 upvotes · 20 comments

 osu! · 3 mo. ago

they call me csr mcgee



259 upvotes · 39 comments

 r/RocketLab · 6 days ago

NO MSR PROGRAM

73 upvotes · 43 comments

 r/artificial · 9 days ago

MCP as a concept is amazing—however, 90% of its implementations are trash

25 upvotes · 21 comments

[Skip to main content](#)[Log In](#)

103 upvotes · 83 comments

 r/Cisco · 1 yr. ago**Packet tracer question**

20 upvotes · 19 comments

 r/packettracer · 1 yr. ago**Packet tracer question**

5 upvotes · 14 comments

 r/fortinet · 1 yr. ago**SDWAN - Route issue**

1 upvote · 8 comments

 r/formulastudent · 1 yr. ago**BSPD - current sensor connection**

2 upvotes

 r/RSPS · 13 days ago**New RSPS Tech - Multi-world without splitting the community**

39 upvotes · 11 comments

 r/OCPD · 11 days ago**Tell me you have OCPD without actually saying you have OCPD.**

54 upvotes · 84 comments

 r/PFSense · 2 yr. ago**Worrying about UDP Broadcast Relay Package**

3 upvotes · 1 comment

 r/VIDEOENGINEERING · 1 yr. ago**Trouble with the BGH1 and Tether**

2 upvotes · 3 comments

[Log In](#)

TOP POSTS

[Reddit](#)

reReddit: Top posts of December 14, 2023

[Reddit](#)

reReddit: Top posts of December 2023

[Reddit](#)

reReddit: Top posts of 2023

Trending topics today

Trachtenberg cause of death

New 28 Years Later trailer

GRRM on The Winds of Winter

Hints of life on K2-18b planet

Daredevil: Born Again S2

Arsenal, Inter reach CL semis

[Reddit Rules](#) [Privacy Policy](#) [User Agreement](#) [Reddit, Inc.](#) © 2025. All rights reserved.