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r/zerotier



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jimerb1

Simple Route Needed for Typical home setup

[Networking & Routing](#)

I've been just searching through a mind numbing amount of advanced routing posts trying to find the most basic route for my need.

I want to set a managed route so that everything on the ZeroTier network (192.168.149.x) that is trying to access my home network (192.168.1.x) will find it's way.

My home default gateway is the super obvious one: [192.168.1.1](#)

Can someone help with this presumably basic question?



5



9



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Since its the easiest and cheapest one, we will take a PI for this job.

What you need to is add the pi to zerotier. Then you need a route in zerotier, you can add that on the website, target would be your homenetwork/24 and the gateway would be the Zerotier IP of the pi.

That should do for the zerotier side.

Then we need to add a route on your home router, this one needs to route all traffic for the Zerotier network through the Homenetwork IP of your Pi.

Not all home routers support that. But there is an alternative if you can not set that. Its called NAT, and in this case it happens on Pi forwards your home network. It basically uses the PIs home IP address for all traffic from the zerotier network instead of the real zerotier client Ip of the device aka laptop or phone.

For that you should look up iptables MAQURADE and create a rule that does exacly that, since I am on my phone and the interface names are different most of the time I can not provide a full command here.

ADDITIONALLY, you need to allow forwarding on the Pi aswell. This is regardless if your router managed to do custom routes or not.

Usefull sources for commands and info are mostly found on guides „how to use Pi as router“ and „how to use pi as wlan accesspoint“. Also, I think I came across a video or blog post doing exactly what I just Described, if I manage to find one Tomorrow I will add that in [here]

I hope that gave you an direction and fundamentals of what you need to accomplish your goal.

PS. Bridging is NOT routing, there are zerotier guids for bridging but those merge the zerotier and physical network, what you want here is routing, and I strongly recommend routing over bridging for your usecase.

⊖ ↑ 4 ↓ ○ Reply ...



jimerb1 OP • 3y ago • Edited 3y ago

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I don't have a Raspberry Pi but i have a docker container for ZeroTier on my nas. Since It's linux based I'm all thumbs with it.

I can add a static route to my home router no problem. I just don't know what to add?

I'm almost positive this is wrong but I'm not sure how to fix it. 192.168.1.x is my home network. 192.168.194.x is my opentier network.

My Static Route: (how messed up is this?)

- Name: ZeroTier
- Dest IP: 192.168.194.117 (my docker container)
- IP Subnet: 255.255.255.0 Gateway IP: 192.168.1.1

thanks for your guidance.

↑ 1 ↓ ○ Reply ...



tomachinz • 7mo ago

How do I add a router at <https://my.zerotier.com/network/d3e>..... ? The word "route" does not ever appear on my page, except for my edge router x :)

↑ 1 ↓ ○ Reply ...

⊕ 1 more reply



ds-unraid • 3y ago

So you want to add the static route via the zerotier web gui. At the very top of your zerotier.com config add

Destination: 192.168.1.0/24 VIA 192.168.194.117

This tells your zerotier clients "hey if you want to talk to anything in the 192.168.1.0 network you need to go to 192.168.194.117 which is your zerotier service running on your network.

⊖ ↑ 2 ↓ ○ Reply ...



jimerb1 OP • 3y ago

Ok Got it. Does [192.168.194.117](https://my.zerotier.com/network/d3e) need to be set as a bridge or anything special?

↑ 1 ↓ ○ Reply ...

⊕ 2 more replies

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4 upvotes · 27 comments

[r/culvercity](#) • 4 mo. ago

running route suggestions

9 upvotes · 14 comments

[r/KremersFroon](#) • 4 mo. ago

Possible Routes with Context

31 upvotes · 50 comments

[r/HomeDataCenter](#) • 6 mo. ago

Will this electricity layout work and is it safe?

39 upvotes · 23 comments

[r/networking](#) • 3 yr. ago

Routing issue in my lab setup

4 upvotes · 9 comments

[r/Stacklands](#) • 5 mo. ago

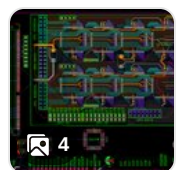
When do I unlock roads and how do I use them?

9 upvotes · 18 comments

[r/PrintedCircuitBoard](#) • 5 mo. ago

Is this routing viable?

105 upvotes · 24 comments



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45 comments



r/SupermarketTogether • 4 mo. ago

Store layout question

12 upvotes · 11 comments



r/LittlewoodGame • 2 mo. ago

Help with town layout?

39 upvotes · 18 comments



r/WireGuard • 3 yr. ago

Need help for site-to-site. I can access public internet but no local ressources behind my NAT at home when connecting from different network.

1 upvote · 12 comments



r/FuckWalls • 3 mo. ago

Do you think I should place this building?

75 upvotes · 14 comments



r/blendermemes • 1 mo. ago

Simple nodes

142 upvotes · 13 comments



r/MinecraftToDo • 1 mo. ago

What should i build here as an entrance

90 upvotes · 34 comments



r/LoopHero • 2 mo. ago

Can't place first camp building

9 upvotes · 2 comments

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14 upvotes · 7 comments



r/foundationgame • 2 mo. ago

My second build after learning the game. How does it look? Btw did you know you can build things in the already existing residential area and houses gonna adapt around the built-in...



52 upvotes · 7 comments



r/startrucker • 1 mo. ago

! SPOILER**A simplified map I made**

43 upvotes · 7 comments



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Network performance improves with pi-hole + unbound & settings running a second custom upstream DNS

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4 upvotes · 14 comments



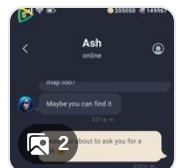
r/pyanodons • 1 mo. ago

I don't need no fancy mega-bases

36 upvotes · 12 comments



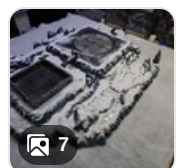
r/Moonvale • 1 mo. ago

I can't get past the map thingy thing

6 upvotes · 4 comments



r/DragonOfIcespirePeak • 5 mo. ago

Need some ideas for this area.

49 upvotes · 7 comments



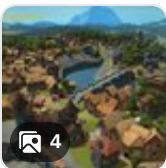
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26 upvotes · 32 comments

 r/foundationgame • 1 mo. ago

Finally got the stone bridges to work!



32 upvotes · 6 comments

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