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r/WireGuard



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[Log In](#)r/WireGuard • 6 yr. ago
Stocarson

Multicast routing through WireGuard

I'm trying to access some Bonjour-based services remotely over WireGuard on iOS, like Apple Home Kit.

A quick inspection on Wireshark revealed that it is based on multicast packets with destination IP [224.0.0.251](#).

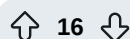
I've setup smcroute with the following configuration on the WireGuard host:

```
mroute from eth0 group 224.0.0.251 to wg0
```

```
mroute from wg0 group 224.0.0.251 to eth0
```

However when performing a multicast ping with `ping -I eth0 -t 20 224.0.0.251` and attaching `tcpdump` on the `wg0` interface I don't see any multicast packet flowing through.

Is WireGuard capable of sending multicast packets right now? Or have I just misconfigured something?



16



11

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Swedophone • 6y ago

Have you got one peer only? Then I guess it could work, but I don't see how multicast could work with more peers since one IP address can't be associated with more than one peer.

[Reply](#)Stocarson **OP** • 6y ago

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```
ssh root@HOST tcpdump -U -s0 -w - 'not port 22' | wireshark -k -i -
```

Which basically executes tcpdump on the remote machine filtering out port 22 (the SSH connection itself) and pipes the captured data to stout and to your local wireshark instance.

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Stocarson OP • 6y ago

I've actually got many peers, but I'm interested in forwarding multicast packets only to one peer, should I add the multicast address to its allowed IPs right?

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Swedophone • 6y ago

should I add the multicast address to its allowed IPs right?

Yes.

↑ 1 ↓ [Reply](#) ...

⊕ 1 more reply



daveb778 • 6y ago

How would this be done on ubuntu server?

↑ 1 ↓ [Reply](#) ...



Stocarson OP • 6y ago

Actually I never managed to make this fully work on Arch Linux ARM 😞

⊖ ↑ 1 ↓ [Reply](#) ...



daveb778 • 6y ago

damn that sucks, i tired it and it worked for a split second then it stopped and i dunno why.

↑ 1 ↓ [Reply](#) ...

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 r/WireGuard • 9 mo. ago

Multicast support in Wireguard

2 upvotes · 2 comments

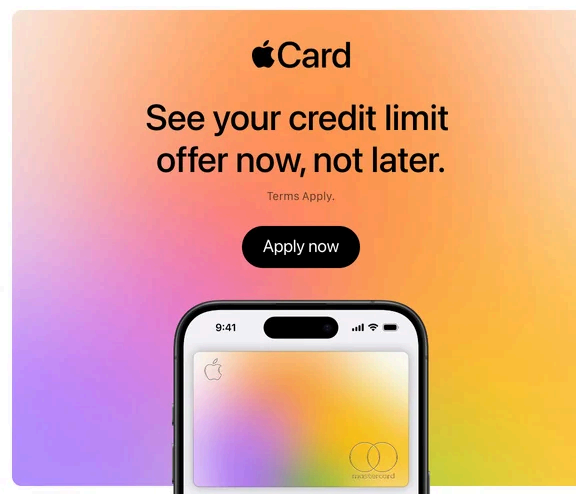
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ospf or multicast over WireGuard

1 upvote · 4 comments

PROMOTED

...



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Is it okay to leave wireguard on all the time?

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Wireguard MFA

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Only use wireguard with specific applications?

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Trying to have Minecraft server go through wireguard.

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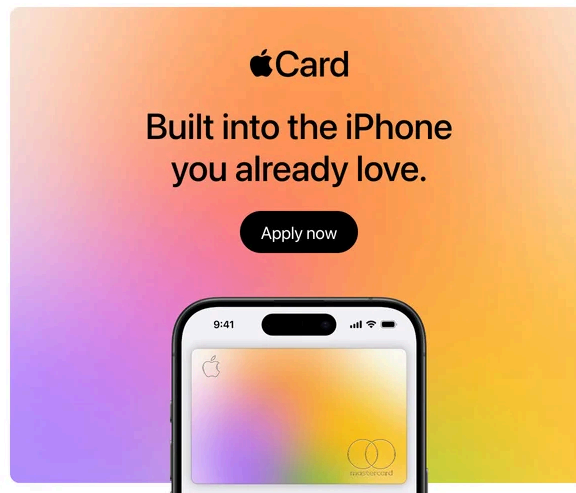


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WireGuard server + REST API

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r/WireGuard • 3 mo. ago

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r/opnsense • 3 mo. ago

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r/WireGuard • 4 mo. ago

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mDNS issue, trying multicast between peers

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WireGuard with Bandwidth Control (ProofOfConcept)

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23 comments



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30 upvotes · 51 comments



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Can't get zeroconf/avahi/mDNS reflection to work through WG

21 upvotes · 29 comments

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23 upvotes · 10 comments



r/opnsense • 5 mo. ago

Absolutely cannot figure out Wireguard VPN set up

17 upvotes · 40 comments



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31 upvotes · 48 comments



r/selfhosted • 10 mo. ago

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