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Subject: Using OpenVPN to access containers in OpenVZ host

Posted by [marl\\_scot](#) on Sat, 15 Aug 2015 11:33:55 GMT

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Hi,

I have the following setup :

Home PC (IP 192.168.8.200)

Local LAN (192.168.8.0/24)

OpenVPN TUN adapter(10.9.0.1) (openVPN server)

OpenVZ Host (public IP x.x.x.x)

OpenVPN TUN adapter (10.9.0.14) (openVPN guest)

Eth0 - Public IP (x.x.x.x) - Single IP

Eth0:1 - Private IP (192.168.12.1/24)

OpenVZ Guests

Venet0:0 - Private IP (192.168.12.0/24)

I also have another range used by guests 10.91.0.0/24, this is from a set of imported OpenVZ guests.

IPTables on OpenVZ host :

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```
iptables -F
```

```
iptables -F -t nat
```

```
iptables -t nat -A POSTROUTING -s 10.91.0.0/24 -o eth0 -j SNAT --to x.x.x.x
iptables -t nat -A POSTROUTING -s 192.168.12.0/24 -o eth0 -j SNAT --to x.x.x.x
iptables -A FORWARD -s 10.91.0.0/24 -j ACCEPT
iptables -A FORWARD -s 192.168.12.0/24 -j ACCEPT
# allow connections from openvpn
iptables -A INPUT -s 10.9.0.0/24 -d 0/0 -j ACCEPT
# allow ssh from home public ip (if vpn is down)
iptables -A INPUT -s z.z.z.z -d 0/0 -p tcp --dport 22 -j ACCEPT
iptables -A INPUT -m state --state ESTABLISHED,RELATED -j ACCEPT
iptables -A FORWARD -m state --state ESTABLISHED,RELATED -j ACCEPT
iptables -A INPUT -j DROP
```

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Guest to internet works fine, access to host from outside works fine.

What I am trying to do is make all request from my home PC to network 192.168.12.0/24 go to my guests over the VPN

But I have not been able to work out a working set of iptables entries to make this work

If anyone can help would be great, I know this is more to do with OpenVPN, but i think I am getting lost with how OpenVZ integrates with the host networking

If anyone knows a way to do this on a guest by guest basis using the standard 'vzfirewall' script, that would be even better

Unfortunately I do not have access to more than 2 public IP addresses, 1 for the host, and one for a single guest that is publicly available.

All my other guests are used for development and testing of packages etc.

Any help would be great.

thanks

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