WireGuard

L2 tunnel

Wireguard je L3 tunnel. Pokud se pres wireguard potrebuju dostat do vzdaleny site na L2 vrstve, musim pouzit dalsi tunnel ktery pobezi pres wireguardove ip adresy.

WireGuard+SSH

Nasledujici prikaz lze pouzit pro L2 tunnel na ssh server za wireguardem. Na vzdalenem serveru alokuje prvni volny tap interface a prida ho do bridge vmbr0, ktera musi na serveru jiz existovat. Lokalne vytvori tap7, na kterem si mohu pak lokalne pustit treba dhcp klienta.

```
ssh -o Tunnel=ethernet -w 7 root@wg_ip_adresa 'brctl addif vmbr0
$SSH_TUNNEL'
```

WireGuard+Geneve

https://en.wikipedia.org/wiki/Generic_Network_Virtualization_Encapsulation

priklad server:

```
[Interface]
Address = 10.11.17.123/24
...
PostUp = ip link add gnv0 type geneve id 1234 remote 10.11.17.124
PostUp = ip link set gnv0 up
#PostUp = ip addr add 10.100.200.35/24 dev gnv0
PostUp = brctl addif vmbr0 gnv0
PreDown = ip link delete gnv0

[Peer]
...
```

priklad klient:

```
[Interface]
Address = 10.11.17.124/24
...
PostUp = ip link add gnv0 type geneve id 1234 remote 10.11.17.123
PostUp = ip link set gnv0 up
PostUp = dhcpcd gnv0
#PostUp = ip addr add 10.100.200.32/24 dev gnv0
#PostUp = ip route add 10.10.0.0/16 via 10.10.160.1 dev gnv0
PreDown = dhcpcd --exit gnv0
```

```
PreDown = ip link delete gnv0

[Peer]
...
```