Apple

L2TP Split Tunneling Selective Routing on macOS VPN for UDM Installs

We've been replacing many Ubiquiti EdgeRouters in our client environments to UDM Pros. One quirk of the EdgeRouter is you were able to L2TP into a LAN subnet. UniFi never let this occur, now or in the past. You were forced to create a separate network and route the the LAN via sending all traffic over VPN, or adding routes.

Most of our system installs have a Windows server running SSTP for the Windows-based clients. Some require L2TP for Mac or Linux clients. Here's how to selectively route to your LAN on macOS while **NOT sending all traffic**. Note: **The file below will run on any VPN connection so it may not be a good solution for multiple VPNs on the same Mac.** Typically our clients' users only use the a single VPN and nothing else.

Create the file **/etc/ppp/ip-up** with following content:

```
#!/bin/sh
/sbin/route add <SUBNET> -interface $1
```

Replace <SUBNET> with subnet, you want to route through VPN (for ex. 192.168.0.0/16)

execute as root:

```
chmod 0755 /etc/ppp/ip-up
```

This file will be executed each time you connect to VPN.

The parameters given to the script:

- $1: The VPN interface (e.g. ppp0)
- $2: Unknown, was 0 in my case
- $3: IP of the VPN server
- $4: VPN gateway address
- $5: Regular (non-vpn) gateway for your lan connections

Credit to this Superuser post from 12 years ago!

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