

Membuat Akses VPN dengan L2TP/IPsec

Kami akan memberikan panduan untuk membuat akses VPN Server untuk jaringan internet rumah/kantor (indihome). Akses user menggunakan VPN Windows 11.

A. Konfigurasi Mikrotik

1. Buat IP pool untuk klien VPN

```
/ip pool add name=pool-vpn ranges=192.168.89.10-192.168.89.250
```

2. Buat profile PPP untuk L2TP

```
/ppp profile add name=profile-vpn local-address=192.168.89.1 dns-server=8.8.8.8 remote-address=pool-vpn use-encryption=yes
```

3. Tambah user (secret) -> Bisa ditambah sesuai kebutuhan

```
/ppp secret add name=opd1 password=Dishub2025! service=l2tp profile=profile-vpn
```

4. Aktifkan L2TP server

```
/interface l2tp-server server set enabled=yes authentication=mschap2 default-profile=profile-vpn use-ipsec=required ipsec-secret=Kominfo-Hebat2025! max-mtu=1460 max-mru=1460
```

5. Konfigurasi IPsec (policy/proposal)

```
/ip ipsec proposal set [find default=yes] auth-algorithms=sha1 enc-algorithms=aes-128-cbc,aes-256-cbc pfs-group=none
```

6. Firewall: izinkan paket IPsec & L2TP (UDP 500, UDP 1701, UDP 4500, ESP)

```
/ip firewall filter add chain=input protocol=udp dst-port=500,1701,4500 action=accept comment="Allow IPsec/L2TP UDP"
```

```
# Allow ESP (protocol 50)
```

```
/ip firewall filter add chain=input protocol=ipsec-esp action=accept comment="Allow ESP"
```

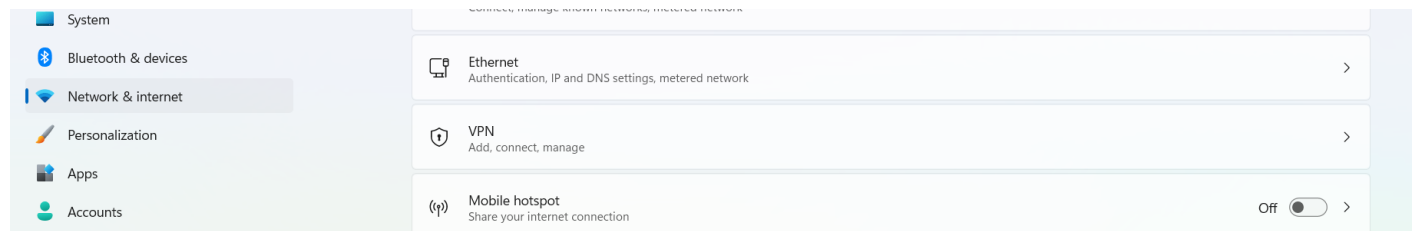
```
# Allow established/related (biasanya sudah ada)
```

7. NAT: masquerade agar client bisa akses internet melalui router

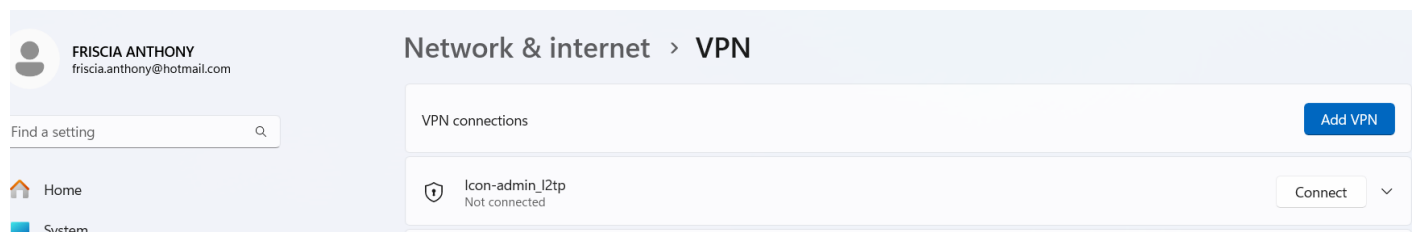
/ip firewall nat add chain=srcnat src-address=192.168.89.0/24 out-interface=<WAN-INTERFACE-NAME> action=masquerade comment="NAT VPN clients"

B. Akses Pengguna VPN

1. Buka Setting - Network & Internet



2. Buka VPN



3. Add VPN -> isi sesuai password ipsec, username dan passwordnya.

Add a VPN connection

Connection name

vpn-kominfo

Server name or address

36.67.22.21

VPN type

L2TP/IPsec with pre-shared key

Pre-shared key

.....

Type of sign-in info

Username and password

Username (optional)

opd1

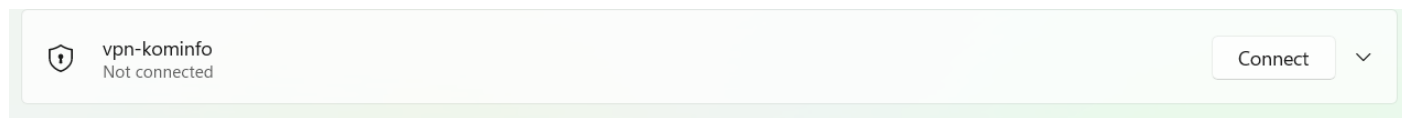
Password (optional)

.....

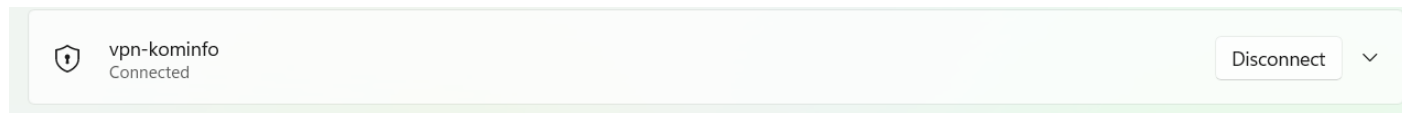
Save Cancel

4. Save

5. Connect



6. Jika berhasil maka status Connected



7. coba akses browser dan ketikan my ip address. jika berhasil maka ip publik terdeteksi sama dengan ip publik pada VPN Server.



← → × whatismyipaddress.com

Bilah bookmark Bookmarks bar Bookmarks bar SPBE Bookmarks bar CLOUD COMPUTING

 Enter Keywords or IP Address...

MY IP IP LOOKUP HIDE MY IP

My IP Address is:

IPv4: ? **36.67.22.18**

IPv6: ? **Not detected**

Video Tutorial

<https://www.youtube.com/embed/evgP7zvdvas>

Revisi #8

Dibuat 12 Oktober 2025 00:08:09 oleh Friscia Anthony

Diperbaharui 5 Maret 2026 00:39:49 oleh Friscia Anthony