Meow

Run ovpn.

1. download the ovpn. (connect vpn)
2. open terminal
3. sudo open *'ovpn. file'* (dont close the this terminal)

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verify vpn

1. after success open new terminal and verify running or not?
2. ip a | grep tu0
   - `ip a` =
   - Shows all network interfaces and their IP addresses
   - `|` = Pipe (sends output to next command)
   - `grep tun0` = Filter to show only lines containing "tun0"
3. output:
   tun0: <POINTOPOINT,MULTICAST,NOARP,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UNKNOWN group default qlen 500
   inet 10.10.16.26/23 scope global tun0

   mean
   Line 1:

   - `3: tun0:` = Interface number 3, named "tun0" (VPN tunnel)
   - `UP, LOWER_UP` = Interface is active and working
   - `mtu 1500` = Maximum transmission unit (packet size)
   - `state UNKNOWN` = Normal for VPN tunnels

   Line 2:
   - `inet 10.10.16.26/23` = Your VPN IP address is **10.10.16.26**
   - `scope global` = IP is accessible globally through the VPN
   - `tun0` = Associated with the VPN tunnel interface

Connect to victim machine - nmap

Nmap (Network Mapper) is used for **network reconnaissance 网络侦察 and security auditing**. - port scanning

1. nmap -sC -sV -p- IP address
   - `-sC` = Run default scripts (safe scripts for service detection)

- `-sV` = Detect service versions
- `-p-` = Scan ALL 65,535 ports (this takes time)
- `10.129.70.193` = Target machine IP