OpenVPN with VPNGate requirements

wireshark
openVPN Connect v3
server von VPNGate

server aussuchen und verbinden

🇯🇵 Japan	public-vpn-162.opengw.net 219.100.37.125 (public-vpn-08-13.vpngate.v4.open.ad.jp)	56 sessions 16 days Total 6,101,407 users	1,830.06 Mbps Ping: 15 ms 299,285.55 GB Logging policy: 2 Weeks	✓ SSL-VPN Connect guide TCP: 443 UDP: Supported	✓ L2TP/IPsec Connect guide	✓ OpenVPN Config file TCP: 443 UDP: 1195	✓ MS-SSTP Connect guide SSTP Hostname : public-vpn-162.op engw.net	By Daiyuu Nobori, Japan. Academic Use Only.	2,148,074

config file herunterladen und importieren

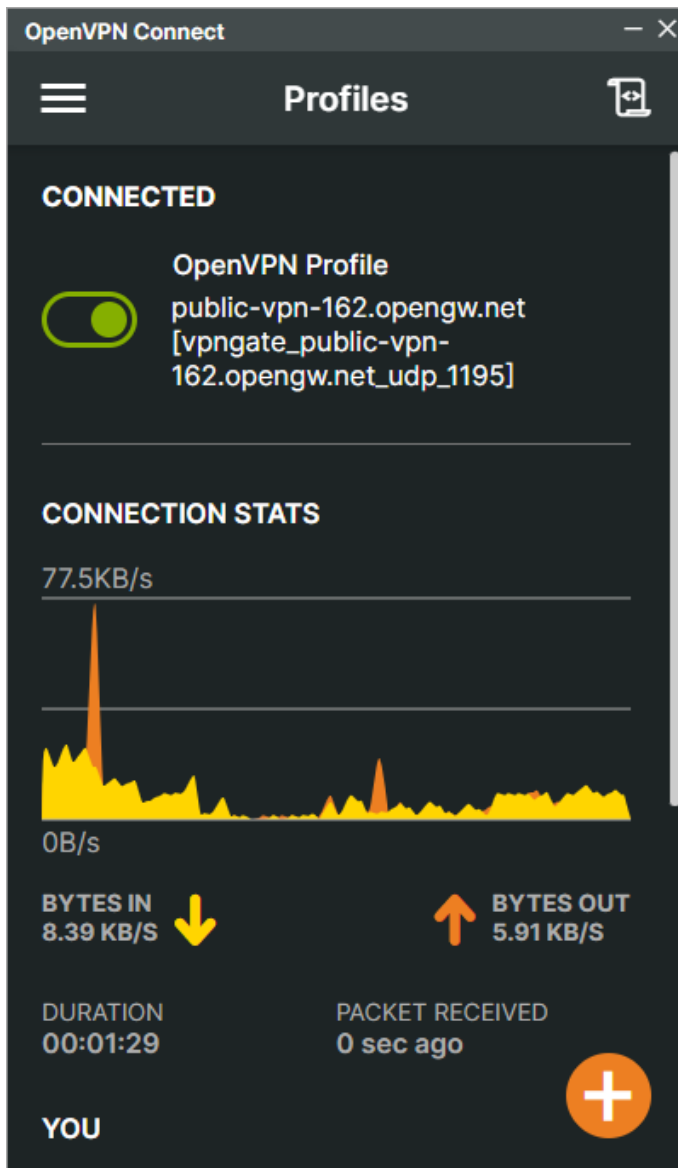The .ovpn file which is including DDNS hostname

Destination DDNS Hostname: **public-vpn-162.opengw.net**

➡ **OpenVPN Configuration File: public-vpn-162.opengw.net (UDP 1195)**

OpenVPN

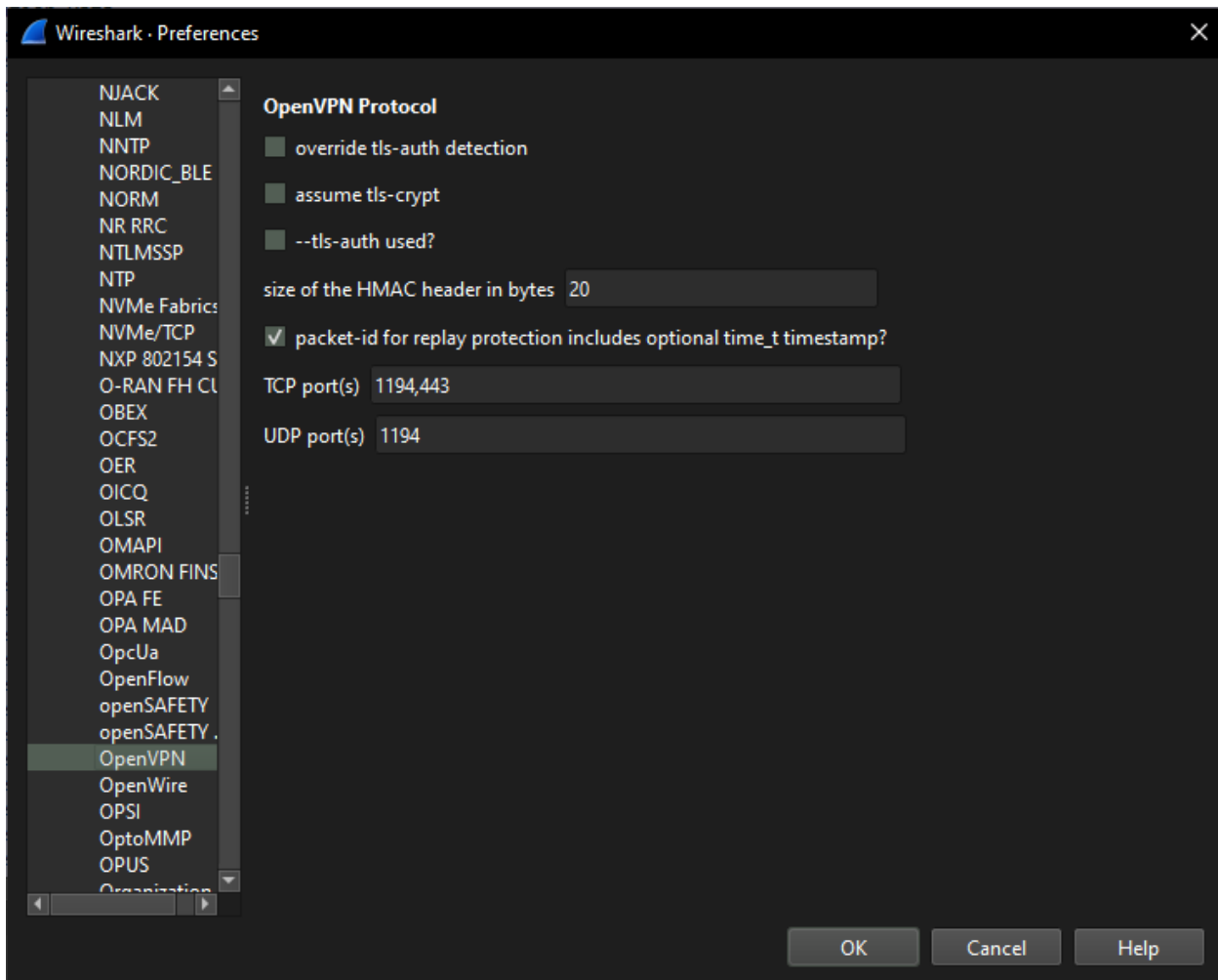➡ **OpenVPN Configuration File: public-vpn-162.opengw.net (TCP 443)**

OpenVPN

wireshark configurieren

tcp port `443` hinzufügen

verbindungsaufbau mitlesen

vpn ausschalten
mit wireshark anfangen zu capturen und nach
openvpn-protokoll suchen

durch den verbindungsaufbau zwischen client und
server (`Client Hello` und `Change Cipher`) werden
daten durch das openvpn-protokoll geleitet und

ins vpngate network weitergeleitet

Your IP: public-nat-08.vpngate.v4.open.ad.jp (219.100.37.240)
🔴
Your country: Japan
Let's change your IP address by using VPN Gate!

ipconfig

```
[10:54]  fish
 ~
> ipconfig /all

Windows IP Configuration

   Host Name . . . . . . . . . . . . :
   Primary Dns Suffix  . . . . . . . :
   Node Type . . . . . . . . . . . . : Hybrid
   IP Routing Enabled. . . . . . . . : No
   WINS Proxy Enabled. . . . . . . . : No
   DNS Suffix Search List. . . . . . : intra
                                       htl-hl.ac.at

Unknown adapter Local Area Connection:

   Connection-specific DNS Suffix  . :
   Description . . . . . . . . . . . : TAP-Windows Adapter V9 for OpenVPN Connect
   Physical Address. . . . . . . . . : 00-FF-05-ED-6E-F8
   DHCP Enabled. . . . . . . . . . . : No
   Autoconfiguration Enabled . . . . : Yes
   Link-local IPv6 Address . . . . . : fe80::3b9e:96cd:d0a7:1c18%101(Preferred)
   IPv4 Address. . . . . . . . . . . : 10.240.35.141(Preferred)
   Subnet Mask . . . . . . . . . . . : 255.255.255.252
   Default Gateway . . . . . . . . . :
   DHCPv6 IAID . . . . . . . . . . . : 1694564101
   DHCPv6 Client DUID. . . . . . . . : 00-01-00-01-28-F4-A7-BA-F8-75-A4-77-C0-A5
   DNS Servers . . . . . . . . . . . : 10.240.254.254
                                       8.8.8.8
   NetBIOS over Tcpip. . . . . . . . : Enabled
```

```
Unknown adapter OpenVPN Connect DCO Adapter:

   Media State . . . . . . . . . . . . : Media disconnected
   Connection-specific DNS Suffix  . :
   Description . . . . . . . . . . . : OpenVPN Data Channel Offload
   Physical Address. . . . . . . . . :
   DHCP Enabled. . . . . . . . . . . : Yes
   Autoconfiguration Enabled . . . . : Yes
```

```
Wireless LAN adapter WiFi:

   Connection-specific DNS Suffix  . : intra
   Description . . . . . . . . . . . : Intel(R) Wireless-AC 9560 160MHz
   Physical Address. . . . . . . . . : 98-AF-65-16-85-B4
   DHCP Enabled. . . . . . . . . . . : Yes
   Autoconfiguration Enabled . . . . : Yes
   Link-local IPv6 Address . . . . . : fe80::862c:5c7f:2c5a:dadf%36(Preferred)
   IPv4 Address. . . . . . . . . . . : 172.18.9.39(Preferred)
   Subnet Mask . . . . . . . . . . . : 255.255.252.0
   Lease Obtained. . . . . . . . . . : Tuesday, 20 February 2024 09:30:05
   Lease Expires . . . . . . . . . . : Tuesday, 20 February 2024 12:39:41
   Default Gateway . . . . . . . . . : 172.18.8.1
   DHCP Server . . . . . . . . . . . : 172.16.1.1
   DHCPv6 IAID . . . . . . . . . . . : 395882341
   DHCPv6 Client DUID. . . . . . . . : 00-01-00-01-28-F4-A7-BA-F8-75-A4-77-C0-A5
   DNS Servers . . . . . . . . . . . : 172.16.1.1
   NetBIOS over Tcpip. . . . . . . . : Enabled
   Connection-specific DNS Suffix Search List :
                                       intra
                                       htl-hl.ac.at
```

routes

```
[10:59] ◪ fish
▆ ~
❯ route print
═══════════════════════════════════════════════════════════════════
Interface List
101...00 ff 05 ed 6e f8 ......TAP-Windows Adapter V9 for OpenVPN Connect
  2...f8 75 a4 77 c0 a5 ......Intel(R) Ethernet Connection (6) I219-LM
 34...0a 00 27 00 00 22 ......VirtualBox Host-Only Ethernet Adapter
108........................OpenVPN Data Channel Offload
 27...98 af 65 16 85 b5 ......Microsoft Wi-Fi Direct Virtual Adapter
  6...9a af 65 16 85 b4 ......Microsoft Wi-Fi Direct Virtual Adapter #2
 11...98 9a b1 5e 5f 57 ......Generic Mobile Broadband Adapter
 36...98 af 65 16 85 b4 ......Intel(R) Wireless-AC 9560 160MHz
 12...98 af 65 16 85 b8 ......Bluetooth Device (Personal Area Network)
  1........................Software Loopback Interface 1
═══════════════════════════════════════════════════════════════════

IPv4 Route Table
═══════════════════════════════════════════════════════════════════
Active Routes:
Network Destination        Netmask          Gateway        Interface  Metric
          0.0.0.0          0.0.0.0     192.168.0.50   169.254.85.163     281
          0.0.0.0          0.0.0.0       172.18.8.1      172.18.9.39      40
          0.0.0.0        128.0.0.0    10.240.35.142    10.240.35.141     257
     10.240.35.140  255.255.255.252         On-link    10.240.35.141     257
     10.240.35.141  255.255.255.255         On-link    10.240.35.141     257
     10.240.35.143  255.255.255.255         On-link    10.240.35.141     257
         127.0.0.0        255.0.0.0         On-link        127.0.0.1     331
         127.0.0.1  255.255.255.255         On-link        127.0.0.1     331
   127.255.255.255  255.255.255.255         On-link        127.0.0.1     331
         128.0.0.0        128.0.0.0    10.240.35.142    10.240.35.141     257
       169.254.0.0      255.255.0.0         On-link   169.254.85.163     281
    169.254.85.163  255.255.255.255         On-link   169.254.85.163     281
   169.254.255.255  255.255.255.255         On-link   169.254.85.163     281
        172.18.8.0    255.255.252.0         On-link      172.18.9.39     296
       172.18.9.39  255.255.255.255         On-link      172.18.9.39     296
     172.18.11.255  255.255.255.255         On-link      172.18.9.39     296
    219.100.37.125  255.255.255.255       172.18.8.1      172.18.9.39     296
         224.0.0.0        240.0.0.0         On-link        127.0.0.1     331
         224.0.0.0        240.0.0.0         On-link   169.254.85.163     281
         224.0.0.0        240.0.0.0         On-link      172.18.9.39     296
         224.0.0.0        240.0.0.0         On-link    10.240.35.141     257
   255.255.255.255  255.255.255.255         On-link        127.0.0.1     331
   255.255.255.255  255.255.255.255         On-link   169.254.85.163     281
   255.255.255.255  255.255.255.255         On-link      172.18.9.39     296
   255.255.255.255  255.255.255.255         On-link    10.240.35.141     257
═══════════════════════════════════════════════════════════════════
```