

E:Option ==> list

```
interface: wg11 EndPoint=193.148.18.34:51820
10.2.0.2/32 # N/A
peer: (hidden)
latest handshake: 4 seconds ago. (sec:4)
transfer: 6.76 GiB received, 507.79 MiB sent
0 Days, 15:45:54 since Fri Sep 9 21:09:36 2022 >>>>>

WireGuard® ACTIVE Peer Status: Clients 1, Servers 0
```

E:Option ==> wg show

WireGuard® Userspace Tool:

```
interface: wg11
public key: (hidden)
private key: (hidden)
listening port: 38272

peer: VeryLongKey
endpoint: 193.148.18.34:51820
allowed ips: 0.0.0.0/0
latest handshake: 15 seconds ago. (sec:15)
transfer: 6.76 GiB received, 507.82 MiB sent
```

WireGuard® ACTIVE Peer Status: Clients 1, Servers 0

E:Option ==> peer wg11 restart

***ERROR Invalid command 'restart' e.g. [add | del | upd | bind]

WireGuard® ACTIVE Peer Status: Clients 1, Servers 0

E:Option ==> diag

WireGuard® VPN Peer Status

```
interface: wg11
public key: VeryLongKey
private key: (hidden)
listening port: 38272

peer: VeryLongKey
endpoint: 193.148.18.34:51820
allowed ips: 0.0.0.0/0
latest handshake: 13 seconds ago. (sec:13)
transfer: 6.76 GiB received, 508.12 MiB sent
```

WireGuard® VPN Peers

Peers (Auto start: Auto=P - Policy, Auto=S - Site-to-Site)

Server	Auto	Subnet	Port	Annotate	Server #1
wg21	Y	10.50.1.1/24	51820	# TUF-AX5400	

Client	Auto	IP	Endpoint	DNS	MTU
wg11	N	10.2.0.2/32	193.148.18.34:51820	10.2.0.1	Auto

Annotate
 wg11 N/A #

Peers (Auto=X - External i.e. Cell/Mobile/Site)

DEBUG: Routing info MTU etc.

```

35: wg11: <POINTOPOINT,NOARP,UP,LOWER_UP> mtu 1420 qdisc noqueue
state UNKNOWN group default qlen 1000
    inet 10.2.0.2/32 scope global wg11
  
```

DEBUG: Routing Table main

```

0.0.0.0/1 dev wg11 scope link
128.0.0.0/1 dev wg11 scope link
  
```

DEBUG: Routing Cache

DEBUG: RPDB rules

```

0:      from all lookup local
32766:  from all lookup main
32767:  from all lookup default
  
```

DEBUG: Routing Table 121 (wg11) # N/A

```

0.0.0.0/1 dev wg11 scope link
128.0.0.0/1 dev wg11 scope link
192.168.50.0/24 dev br0 proto kernel scope link src 192.168.50.1
239.0.0.0/8 dev br0 scope link
  
```

DEBUG: Netstat

Kernel IP routing table	Destination	Gateway	Genmask	Flags	MSS window
irrt Iface					
0.0.0.0	0.0.0.0	128.0.0.0	U	0 0	
0 wg11					
128.0.0.0	0.0.0.0	128.0.0.0	U	0 0	
0 wg11					

DEBUG: UDP sockets.

udp	0	0 0.0.0.0:38272	0.0.0.0:*
	-		
udp	0	0 :::38272	:::*
	-		

DEBUG: Firewall rules

DEBUG: -t filter

```
Chain FORWARD (policy DROP 0 packets, 0 bytes)
num  pkts bytes target    prot opt in      out     source
      destination
2      0      0 WGM_ACL_F all  --  wg+    *      0.0.0.0/0
      0.0.0.0/0 /* wireguard ACL */
```

```
Chain WGM_ACL_F (1 references)
num  pkts bytes target    prot opt in      out     source
      destination
```

```
Chain INPUT (policy ACCEPT 0 packets, 0 bytes)
num  pkts bytes target    prot opt in      out     source
      destination
```

```
Chain OUTPUT (policy ACCEPT 3891K packets, 932M bytes)
num  pkts bytes target    prot opt in      out     source
      destination
```

DEBUG: -t nat

```
Chain PREROUTING (policy ACCEPT 13766 packets, 1879K bytes)
num  pkts bytes target    prot opt in      out     source
      destination
1    8243  582K WGDNS1    udp  --  *      *      0.0.0.0/0
      0.0.0.0/0 /* wireGuard 'client1 DNS'
*/
2      2    96 WGDNS1    tcp  --  *      *      0.0.0.0/0
      0.0.0.0/0 /* wireGuard 'client1 DNS'
*/
```

```
Chain POSTROUTING (policy ACCEPT 12780 packets, 912K bytes)
num  pkts bytes target    prot opt in      out     source
      destination
1   13914 1060K MASQUERADE all  --  *      wg11
192.168.50.0/24 0.0.0.0/0 /* wireGuard 'client' */
```

```
Chain WGDNS1 (2 references)
num  pkts bytes target    prot opt in      out     source
      destination
1    8245  582K DNAT     all  --  *      *      0.0.0.0/0
192.168.50.0/24 0.0.0.0/0 /* wireGuard 'client1
DNS' */ to:10.2.0.1
```

DEBUG: -t mangle

```
Chain FORWARD (policy ACCEPT 5470K packets, 7333M bytes)
num  pkts bytes target    prot opt in      out     source
      destination
1   2411K 432M MARK     all  --  *      wg11    0.0.0.0/0
      0.0.0.0/0 /* wireGuard 'client' */ MARK xset
0x1/0x7
2    5043  290K TCPMSS    tcp  --  wg11    *      0.0.0.0/0
      0.0.0.0/0 tcpflags: 0x06/0x02 /* wireGuard
'client' */ TCPMSS clamp to PMTU
3    6255  376K TCPMSS    tcp  --  *      wg11    0.0.0.0/0
      0.0.0.0/0 tcpflags: 0x06/0x02 /* wireGuard
'client' */ TCPMSS clamp to PMTU
```

```
Chain PREROUTING (policy ACCEPT 12M packets, 15G bytes)
num  pkts bytes target    prot opt in     out     source
      destination
1    3066K 6902M MARK      all  --  wg11    *      0.0.0.0/0
      0.0.0.0/0      /* wireGuard 'client' */ MARK xset
0x1/0x7
```

Use command 'diag sql [table_name]' to see the SQL data (might be many lines!)

Valid SQL Database tables:

```
CREATE TABLE servers (peer varchar(5) PRIMARY KEY, auto varchar(1)
NOT NULL, subnet varchar(19) NOT NULL, port integer(5), pubkey
varchar(55), prikey varchar(55) NOT NULL, tag varchar(40))
```

```
CREATE TABLE clients (peer varchar(5) PRIMARY KEY, auto varchar(1)
NOT NULL, subnet varchar(19) NOT NULL, socket varchar(25), dns
varchar(19), mtu integer(4), pubkey varchar(55), prikey
varchar(55), tag varchar(40))
```

```
CREATE TABLE devices (name varchar(15) PRIMARY KEY, auto
varchar(1) NOT NULL, ip varchar(19) NOT NULL, dns varchar(15)
NOT NULL, allowedip varchar(100), pubkey varchar(55) NOT NULL,
prikey varchar(55), tag varchar(40), contrack UNSIGNED BIG INT )
```

```
CREATE TABLE policy (peer varchar(5), iface varchar(4), srcip
varchar(19), dstip varchar(19), tag varchar(30), PRIMARY
KEY(peer,iface,srcip,dstip))
```

```
CREATE TABLE fwmark (fwmark varchar(10), peer varchar(15) NOT
NULL, PRIMARY KEY(fwmark,peer))
```

```
CREATE TABLE ipset (ipset PRIMARY KEY, use varchar(1), peer
varchar(5), fwmark varchar(10) NOT NULL, dstsrc varchar (11) NOT
NULL)
```

```
CREATE TABLE traffic (peer NOT NULL,timestamp UNSIGNED BIG INT NOT
NULL,rx UNSIGNED BIG INT NOT NULL,tx UNSIGNED BIG INT NOT
NULL,rxtotal UNSIGNED BIG INT NOT NULL,txtotal UNSIGNED BIG INT
NOT NULL)
```

```
CREATE TABLE session (peer NOT NULL,state varchar(1), timestamp
UNSIGNED BIG INT NOT NULL)
```

```
CREATE TABLE passthru (server varchar(5) NOT NULL, client
varchar(5) NOT NULL, ip_subnet varchar(19) NOT NULL, PRIMARY
KEY(server,client,ip_subnet))
```

e.g. diag sql traffic will show the traffic stats SQL
table