

1.

```
kali@kali:~$ ip link
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN mode DEFAULT group default qlen 1000
   link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP mode DEFAULT group default qlen 1000
   link/ether 08:00:27:fe:af:e5 brd ff:ff:ff:ff:ff:ff
kali@kali:~$ ip addr
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
   link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
   inet 127.0.0.1/8 scope host lo
       valid_lft forever preferred_lft forever
   inet6 ::1/128 scope host
       valid_lft forever preferred_lft forever
2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP group default qlen 1000
   link/ether 08:00:27:fe:af:e5 brd ff:ff:ff:ff:ff:ff
   inet 192.168.1.113/24 brd 192.168.1.255 scope global dynamic noprefixroute eth0
       valid_lft 86155sec preferred_lft 86155sec
   inet6 fe80::a00:27ff:fefe:afe5/64 scope link noprefixroute
       valid_lft forever preferred_lft forever
kali@kali:~$
```

## My IP Address Is:

IPv4: **83.23.138.241**

IPv6: Not detected

**My IP Information:**

ISP: Orange Polska  
City: Ploty  
Region: West Pomerania  
Country: Poland

**Make My IP Address Private**  
[Click Here](#)

Location not accurate? [Update my IP location](#)

[Show Complete IP Details](#)

Adres IP widoczny w poleceniu *ip address* jest inny niż ten sprawdzony przy użyciu strony. Jest to spowodowane tym, że z poziomu lokalnej sieci mój komputer ma adres 192.168.1.113, a z zewnątrz widoczny jest adres interfejsu WAN mojego routera - 83.23.138.241. Aby ustawić adres publiczny na komputerze w sieci lokalnej trzeba by było skonfigurować przekierowanie portów na routerze.

2.

```
kali@kali:~$ ping google.com -c 3
PING google.com (172.217.23.110) 56(84) bytes of data.
64 bytes from mil04s23-in-f14.1e100.net (172.217.23.110): icmp_seq=1 ttl=117 time=502 ms
64 bytes from mil04s23-in-f14.1e100.net (172.217.23.110): icmp_seq=2 ttl=117 time=46.0 ms
64 bytes from mil04s23-in-f14.1e100.net (172.217.23.110): icmp_seq=3 ttl=117 time=48.7 ms

--- google.com ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 2004ms
rtt min/avg/max/mdev = 45.961/198.893/501.987/214.322 ms
kali@kali:~$ ping amu.edu.pl -c 3
PING amu.edu.pl (150.254.65.170) 56(84) bytes of data.
64 bytes from 150.254.65.170 (150.254.65.170): icmp_seq=1 ttl=51 time=54.4 ms
64 bytes from 150.254.65.170 (150.254.65.170): icmp_seq=2 ttl=51 time=54.4 ms
64 bytes from 150.254.65.170 (150.254.65.170): icmp_seq=3 ttl=51 time=52.8 ms

--- amu.edu.pl ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 2003ms
rtt min/avg/max/mdev = 52.750/53.846/54.430/0.775 ms
kali@kali:~$ ping wmi.amu.edu.pl -c 3
PING wmi.amu.edu.pl (150.254.65.170) 56(84) bytes of data.
64 bytes from 150.254.65.170 (150.254.65.170): icmp_seq=1 ttl=51 time=62.9 ms
64 bytes from 150.254.65.170 (150.254.65.170): icmp_seq=2 ttl=51 time=54.5 ms
64 bytes from 150.254.65.170 (150.254.65.170): icmp_seq=3 ttl=51 time=54.4 ms

--- wmi.amu.edu.pl ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 2003ms
rtt min/avg/max/mdev = 54.448/57.270/62.901/3.981 ms
kali@kali:~$
```

3.

```
kali@kali:~$ traceroute nyu.edu
traceroute to nyu.edu (216.165.47.10), 30 hops max, 60 byte packets
 1 192.168.1.1 (192.168.1.1) 0.979 ms 0.930 ms 1.293 ms
 2 szcz-bng1.neo.tpnet.pl (83.1.4.253) 22.613 ms 23.723 ms 23.677 ms
 3 szcz-r5.tpnet.pl (80.50.122.57) 26.612 ms 26.568 ms szcz-r4.tpnet.pl (80.50.18.57) 48.064 ms
 4 194.204.175.177 (194.204.175.177) 35.494 ms 36.567 ms 38.113 ms
 5 ae102-10.fftr7.frankfurt.opentransit.net (193.251.248.153) 58.131 ms 63.938 ms 63.927 ms
 6 ae7.cr1-fra2.ip4.gtt.net (77.67.82.93) 58.076 ms 52.220 ms 52.178 ms
 7 ae1.cr8-nyc2.ip4.gtt.net (89.149.128.166) 131.893 ms 135.031 ms 126.415 ms
 8 ip4.gtt.net (209.120.137.218) 123.808 ms 124.958 ms 124.926 ms
 9 * * *
10 nyugwa-ntp-dmzgwb-vl3082.net.nyu.edu (128.122.254.110) 133.780 ms 133.746 ms nyugwa-ntp-dmzgwa-vl3081.net.nyu.
   edu (128.122.254.108) 136.671 ms
11 nyufw-outside-ngfw-vl3080.net.nyu.edu (128.122.254.116) 137.658 ms 138.093 ms 139.465 ms
12 * * *
13 * * *
14 * * *
15 * * *
16 * * *
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27 * * *
28 * * *
29 * * *
30 * * *
kali@kali:~$ ping nyu.edu
PING nyu.edu (216.165.47.10) 56(84) bytes of data.
^C
--- nyu.edu ping statistics ---
41 packets transmitted, 0 received, 100% packet loss, time 40966ms
kali@kali:~$
```

szcz-bng1.neo.tpnet.pl (83.1.4.253) - Orange Polska Spolka Akcyjna, 5617

szcz-r5.tpnet.pl (80.50.122.57) - Orange Polska Spolka Akcyjna, 5617

194.204.175.177 (194.204.175.177) - Orange Polska Spolka Akcyjna, 5617

ae102-10.fftr7.frankfurt.opentransit.net (193.251.248.153) – Orange, 5511

ae7.cr1-fra2.ip4.gtt.net (77.67.82.93) - GTT Communications Inc., 3257

ae1.cr8-nyc2.ip4.gtt.net (89.149.128.166) - GTT Communications Inc., 3257

ip4.gtt.net (209.120.137.218) - GTT Communications Inc., 3257

nyugwa-ntp-dmzgwb-vl3082.net.nyu.edu (128.122.254.110) - NYU-DOMAIN, 12

nyufw-outside-ngfw-vl3080.net.nyu.edu (128.122.254.116) - NYU-DOMAIN, 12