

## my\_ping example output:

sudo python my\_ping.py 8.8.8.8 -c 5

```
((base) ethaniannicelli@Mac-mini Ethan_Iannicelli_hw2 % sudo python my_ping.py 8.8.8.8 -c 5
56 bytes from 8.8.8.8: time=28.81ms
56 bytes from 8.8.8.8: time=11.68ms
56 bytes from 8.8.8.8: time=11.11ms
56 bytes from 8.8.8.8: time=11.96ms
56 bytes from 8.8.8.8: time=14.29ms
(base) ethaniannicelli@Mac-mini Ethan_Iannicelli_hw2 %
```

sudo python my\_ping.py 8.8.8.8 -i 5 -t 15

```
((base) ethaniannicelli@Mac-mini Ethan_Iannicelli_hw2 % sudo python my_ping.py 8.8.8.8 -i 5 -t 15
56 bytes from 8.8.8.8: time=12.75ms
56 bytes from 8.8.8.8: time=15.80ms
56 bytes from 8.8.8.8: time=16.94ms
Exited due to timeout
(base) ethaniannicelli@Mac-mini Ethan_Iannicelli_hw2 %
```

sudo python my\_ping.py 8.8.8.8 -c 5 -s 100

```
((base) ethaniannicelli@Mac-mini Ethan_Iannicelli_hw2 % sudo python my_ping.py 8.8.8.8 -c 5 -s 100
100 bytes from 8.8.8.8: time=15.77ms
100 bytes from 8.8.8.8: time=15.07ms
100 bytes from 8.8.8.8: time=10.69ms
100 bytes from 8.8.8.8: time=14.20ms
100 bytes from 8.8.8.8: time=43.78ms
(base) ethaniannicelli@Mac-mini Ethan_Iannicelli_hw2 %
```

## My\_traceroute example outputs:

sudo python my\_traceroute.py 8.8.8.8 -n

```
Tracerouting to 8.8.8.8 (8.8.8.8) with a maximum of 30 hops:
1    192.168.1.1  2.859ms  2.714ms  2.393ms
2    100.65.64.1  3.107ms  3.188ms  24.476ms
3    172.16.10.2  2.934ms  3.1ms   3.571ms
4    172.16.10.33 3.429ms  3.085ms  2.855ms
5    10.10.6.39   4.037ms  2.96ms  3.26ms
6    * * *
7    4.69.209.82  17.741ms 13.047ms 16.928ms
8    4.68.68.146 11.897ms 12.256ms 13.098ms
9    * * *
10   8.8.8.8      12.242ms 11.294ms 11.343ms
```

sudo python my\_traceroute.py 8.8.8.8 -q 5

```
Tracerouting to 8.8.8.8 (8.8.8.8) with a maximum of 30 hops:
1    192.168.1.1 (192.168.1.1) 3.002ms 2.619ms 2.621ms 2.235ms 2.44ms
2    100.65.64.1 (100.65.64.1) 16.914ms 8.149ms 5.778ms 3.102ms 3.48ms
3    172.16.10.2 (172.16.10.2) 4.174ms 2.872ms 3.162ms 3.794ms 2.892ms
4    172.16.10.33 (172.16.10.33) 3.171ms 6.968ms 3.34ms 3.597ms 3.47ms
5    10.10.6.39 (10.10.6.39) 3.766ms 4.021ms 3.402ms 4.289ms *
6    * * * * *
7    ae2.3611.edge2.newyork6.net.lumen.tech (4.69.209.82) 16.5ms 11.988ms 11.937ms 21.217ms 11.529ms
8    15169-3356-nyc.sp.lumen.tech (4.68.68.146) 11.388ms 11.422ms 11.333ms 11.367ms 11.253ms
9    * * * * *
10   dns.google (8.8.8.8) 15.244ms 12.144ms 12.371ms 12.283ms 11.606ms
```

```
sudo python my_traceroute.py 8.8.8.8 -s
```

```
Tracerouting to 8.8.8.8 (8.8.8.8) with a maximum of 30 hops:
1      192.168.1.1 (192.168.1.1)  6.757ms  2.542ms  2.462ms
2      100.65.64.1 (100.65.64.1)  3.035ms  3.342ms  2.802ms
3      172.16.10.2 (172.16.10.2)  2.757ms  3.249ms  3.524ms
4      172.16.10.33 (172.16.10.33)  3.965ms  3.302ms  4.135ms
5      10.10.6.39 (10.10.6.39)  4.01ms  3.619ms  4.258ms
6      lag-104.ear1.newyork6.level3.net (4.30.178.177)  *  24.722ms  10.845ms
7      ae1.3511.edge2.newyork6.net.lumen.tech (4.69.209.78)  10.884ms  12.001ms  18.114ms
8      15169-3356-nyc.sp.lumen.tech (4.68.68.146)  11.321ms  11.943ms  11.949ms
9      * * *
10     dns.google (8.8.8.8)  11.893ms  12.106ms  12.485ms
```

```
Number of unanswered probes at each hop:
```

```
Hop: 1 | Probes Lost: 0
Hop: 2 | Probes Lost: 0
Hop: 3 | Probes Lost: 0
Hop: 4 | Probes Lost: 0
Hop: 5 | Probes Lost: 0
Hop: 6 | Probes Lost: 1
Hop: 7 | Probes Lost: 0
Hop: 8 | Probes Lost: 0
Hop: 9 | Probes Lost: 3
Hop: 10 | Probes Lost: 0
```