

Report 1

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1 Task

Check if usth.edu.vn is up or not with ping (5 times only)

- Use traceroute tool to find the route from your VPS to usth.edu.vn
- How many hops do you have?
- Try traceroute again, but from your own computer
- How many hops do you have?

2 Result and Commands

The command used for traceroute was:

- `traceroute usth.edu.vn`

The result was:

- 30 loops, 60 bytes packet

The command for ping was:

- `ping usth.edu.vn`
- `ctrl + c` = interrupt ping

The result is also seen in the below figure:

- 5 packets transmitted with no loss
- minimum time : 24.729 sec
- average time : 29.730 sec
- maximum time : 38.632 sec

```

agwuena@ubuntu:~$ traceroute usth.edu.vn
traceroute to usth.edu.vn (104.27.161.15), 30 hops max, 60 byte packets
 1  192.168.88.2 (192.168.88.2)  0.426 ms  0.241 ms  0.164 ms
 2  * * *
 3  * * *
 4  * * *
 5  * * *
 6  * * *
 7  * * *
 8  * * *
 9  * * *
10  * * *
11  * * *
12  * * *
13  * * *
14  * * *
15  * * *
16  * * *
17  * * *
18  * * *
19  * * *
20  * * *
21  * * *
22  * * *
23  * * *
24  * * *
25  * * *
26  * * *
27  * * *
28  * * *
29  * * *
30  * * *
agwuena@ubuntu:~$

```

Figure 1: Traceroute Results.

```

agwuena@ubuntu:~$ ping usth.edu.vn
PING usth.edu.vn (104.27.160.15) 56(84) bytes of data.
64 bytes from 104.27.160.15: icmp_seq=1 ttl=128 time=24.7 ms
64 bytes from 104.27.160.15: icmp_seq=2 ttl=128 time=25.9 ms
64 bytes from 104.27.160.15: icmp_seq=3 ttl=128 time=24.7 ms
64 bytes from 104.27.160.15: icmp_seq=4 ttl=128 time=34.6 ms
64 bytes from 104.27.160.15: icmp_seq=5 ttl=128 time=38.6 ms
^C
--- usth.edu.vn ping statistics ---
5 packets transmitted, 5 received, 0% packet loss, time 4009ms
rtt min/avg/max/mdev = 24.729/29.730/38.632/5.785 ms
agwuena@ubuntu:~$

```

Figure 2: Ping Results.