

Clark Schwarz

my_ping.py

```
C:\Users\clark\OneDrive\Documents\Backup\Documents\Networks\hw02\database_hw2>python my_ping.py -d google.com -c 3 -i 2
WARNING: No libpcap provider available ! pcap won't be used
Attempting to ping google.com...
WARNING: Dropping unsupported option: filter
WARNING: Dropping unsupported option: nofilter
Begin emission

Finished sending 1 packets

Received 111 packets, got 0 answers, remaining 1 packets
The ping to google.com has failed
WARNING: Dropping unsupported option: filter
WARNING: Dropping unsupported option: nofilter
Begin emission

Finished sending 1 packets

Received 22 packets, got 0 answers, remaining 1 packets
The ping to google.com has failed
WARNING: Dropping unsupported option: filter
WARNING: Dropping unsupported option: nofilter
Begin emission

Finished sending 1 packets

Received 9 packets, got 0 answers, remaining 1 packets
The ping to google.com has failed
Execution time has ended

C:\Users\clark\OneDrive\Documents\Backup\Documents\Networks\hw02\database_hw2>_
```

In this first image, you can see the program run with a 2 second delay in between each packet and a max of 3 packets sent.

```
C:\Users\clark\OneDrive\Documents\Backup\Documents\Networks\hw02\database_hw2>python my_ping.py -d google.com -c 10 -t 5
WARNING: No libpcap provider available ! pcap won't be used
Attempting to ping google.com...
WARNING: Dropping unsupported option: filter
WARNING: Dropping unsupported option: nofilter
Begin emission

Finished sending 1 packets

Received 4 packets, got 0 answers, remaining 1 packets
The ping to google.com has failed
Execution time has ended

C:\Users\clark\OneDrive\Documents\Backup\Documents\Networks\hw02\database_hw2>
```

In this image, you can see the program run with a max execution time of 5 seconds so even though it is going to print out 10 packets, it didn't get that far and ended early.

```
C:\Users\clark\OneDrive\Documents\Backup\Documents\Networks\hw02\database_hw2>python my_ping.py -d google.com -c 2 -s 100
WARNING: No libpcap provider available ! pcap won't be used
Attempting to ping google.com...
WARNING: Dropping unsupported option: filter
WARNING: Dropping unsupported option: nofilter
Begin emission

Finished sending 1 packets

Received 42 packets, got 0 answers, remaining 1 packets
The ping to google.com has failed
WARNING: Dropping unsupported option: filter
WARNING: Dropping unsupported option: nofilter
Begin emission

Finished sending 1 packets

Received 57 packets, got 0 answers, remaining 1 packets
The ping to google.com has failed
Execution time has ended

C:\Users\clark\OneDrive\Documents\Backup\Documents\Networks\hw02\database_hw2>_
```

In this image, you can see the size argument used.

my_traceroute.py

```
C:\Users\clark\OneDrive\Documents\Backup\Documents\Networks\hw02\database_hw2>python my_traceroute.py -d google.com -n 1 -q 2
WARNING: No libpcap provider available ! pcap won't be used
Tracing the route to google.com...
WARNING: Dropping unsupported option: filter
WARNING: Dropping unsupported option: nofilter
Begin emission

Finished sending 1 packets

Received 13 packets, got 0 answers, remaining 1 packets
Hop 1: Timed out
WARNING: more Dropping unsupported option: filter
Begin emission

Finished sending 1 packets

Received 96 packets, got 0 answers, remaining 1 packets
Hop 2: Timed out

Summary of Unanswered Probes
Hop 1: No response
Hop 2: No response
Traceroute Complete

C:\Users\clark\OneDrive\Documents\Backup\Documents\Networks\hw02\database_hw2>
```

Here you can see the q argument provided, which sets the number of probes per hop. Since it is set to 2, there are 2 hops.

```
C:\Users\clark\OneDrive\Documents\Backup\Documents\Networks\hw02\database_hw2>python my_traceroute.py -d google.com -n 1 -q 4
WARNING: No libpcap provider available ! pcap won't be used
Tracing the route to google.com...
WARNING: Dropping unsupported option: filter
WARNING: Dropping unsupported option: nofilter
Begin emission

Finished sending 1 packets

Received 11 packets, got 0 answers, remaining 1 packets
Hop 1: Timed out
WARNING: more Dropping unsupported option: filter
Begin emission

Finished sending 1 packets

Received 4 packets, got 0 answers, remaining 1 packets
Hop 2: Timed out
WARNING: Dropping unsupported option: filter
WARNING: Dropping unsupported option: nofilter
Begin emission

Finished sending 1 packets

Received 3 packets, got 0 answers, remaining 1 packets
Hop 3: Timed out
WARNING: more Dropping unsupported option: filter
Begin emission

Finished sending 1 packets

Received 4 packets, got 0 answers, remaining 1 packets
Hop 4: Timed out

Summary of Unanswered Probes
Hop 1: No response
Hop 2: No response
Hop 3: No response
Hop 4: No response
Traceroute Complete

C:\Users\clark\OneDrive\Documents\Backup\Documents\Networks\hw02\database_hw2>
```

In this example, there are 4 hops because the q argument is set to 4.

```
C:\Users\clark\OneDrive\Documents\Backup\Documents\Networks\hw02\database_hw2>python my_traceroute.py -d google.com -n 1 -s 0 -q 2
WARNING: No libpcap provider available ! pcap won't be used
Tracing the route to google.com...
WARNING: Dropping unsupported option: filter
WARNING: Dropping unsupported option: nofilter
Begin emission

Finished sending 1 packets

Received 3 packets, got 0 answers, remaining 1 packets
Hop 1: Timed out
WARNING: more Dropping unsupported option: filter
Begin emission

Finished sending 1 packets

Received 10 packets, got 0 answers, remaining 1 packets
Hop 2: Timed out
Traceroute Complete

C:\Users\clark\OneDrive\Documents\Backup\Documents\Networks\hw02\database_hw2>
```

In this final run, the s argument which is for summary, is set to 0 indicating that the summary for the unvisited probes should not be shown, so there is no summary available as opposed to the previous examples.