## Assignment (1.2\_Networking)

### Brief

Use a Terminal Commands to answer the following questions. Your answer should consist the command you use and the output. You may simply copy and paste your terminal's content into the respective code blocks.

Question 1: Get the IP Address of skillsunion.com.

Answer here

Text

Description automatically generated

Question 2: Determine the network latency of skillsunion.com?

Answer here

wfccl@LAPTOP-D1EVUISD MINGW64 ~

$ ping skillsunion.com

Pinging skillsunion.com [165.22.244.85] with 32 bytes of data:

Reply from 165.22.244.85: bytes=32 time=10ms TTL=51

Reply from 165.22.244.85: bytes=32 time=11ms TTL=51

Reply from 165.22.244.85: bytes=32 time=9ms TTL=51

Reply from 165.22.244.85: bytes=32 time=8ms TTL=51

Ping statistics for 165.22.244.85:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

Approximate round trip times in milli-seconds:

Minimum = 8ms, Maximum = 11ms, Average = 9ms

wfccl@LAPTOP-D1EVUISD MINGW64 ~

$

Question 3: Identify all devices on the path between your computer to skillsunion.com.

Answer here

wfccl@LAPTOP-D1EVUISD MINGW64 ~

$ tracert skillsunion.com

Tracing route to skillsunion.com [165.22.244.85]

over a maximum of 30 hops:

1 19 ms 4 ms 8 ms 192.168.1.254

2 6 ms 6 ms 5 ms bb220-255-110-254.singnet.com.sg [220.255.110.254]

3 62 ms 35 ms 35 ms 165.21.193.18

4 7 ms 6 ms 10 ms 165.21.193.17

5 15 ms 21 ms 50 ms 165.21.138.181

6 7 ms 6 ms 7 ms SN-SINTP1-BO402-ae1.singnet.com.sg [165.21.138.94]

7 27 ms 6 ms 6 ms ip-202-147-32-126.asianetcom.net [202.147.32.126]

8 9 ms 10 ms 10 ms i-92.sgcn-core01.telstraglobal.net [202.84.219.174]

9 8 ms 8 ms 8 ms i-92.sgcn-core01.telstraglobal.net [202.84.219.174]

10 11 ms 8 ms 8 ms i-91.istt04.telstraglobal.net [202.84.224.197]

11 11 ms 13 ms 8 ms unknown.telstraglobal.net [210.176.138.135]

12 \* \* \* Request timed out.

13 \* \* \* Request timed out.

14 \* \* \* Request timed out.

15 \* \* \* Request timed out.

16 \* \* \* Request timed out.

17 9 ms 7 ms 11 ms 165.22.244.85

Trace complete.

Question 4: Look up the DNS of skillsunion.com without using nslookup.

Answer here

wfccliff@LAPTOP-D1EVUISD:/mnt/c/Users/wfccl$ dig skillsunion.com

; <<>> DiG 9.18.1-1ubuntu1.2-Ubuntu <<>> skillsunion.com

;; global options: +cmd

;; Got answer:

;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 18132

;; flags: qr rd ra ad; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 0

;; QUESTION SECTION:

;skillsunion.com. IN A

;; ANSWER SECTION:

skillsunion.com. 2114 IN A 165.22.244.85

;; Query time: 15 msec

;; SERVER: 192.168.1.254#53(192.168.1.254) (UDP)

;; WHEN: Fri Dec 09 09:33:06 +08 2022

;; MSG SIZE rcvd: 49

Question 5: Find out the whois details of skillsunion.com.

Answer here

Text

Description automatically generated

Text

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Description automatically generated