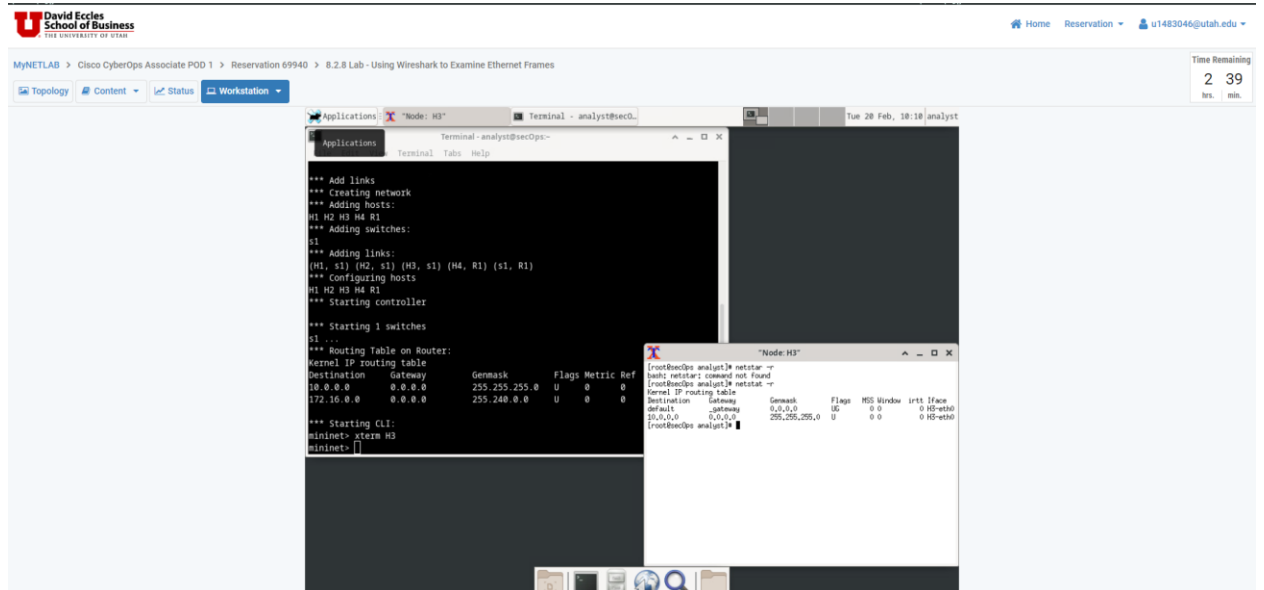


Vu Nguyen

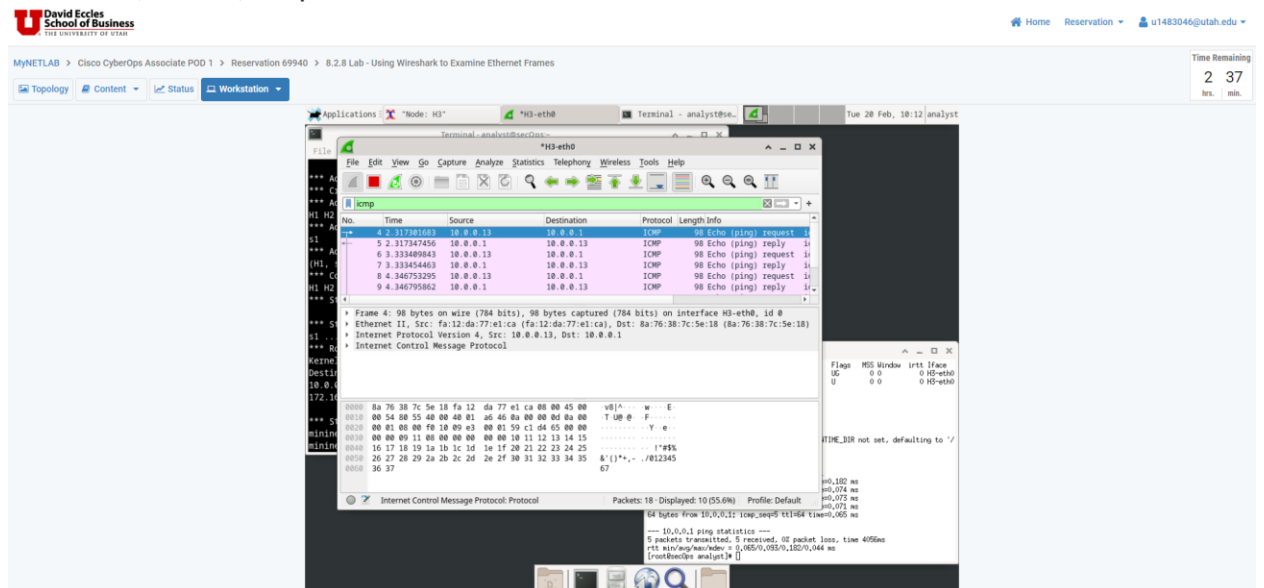
UID: u1483046

Assignment 21 - Using Wireshark (Lab and Quiz)

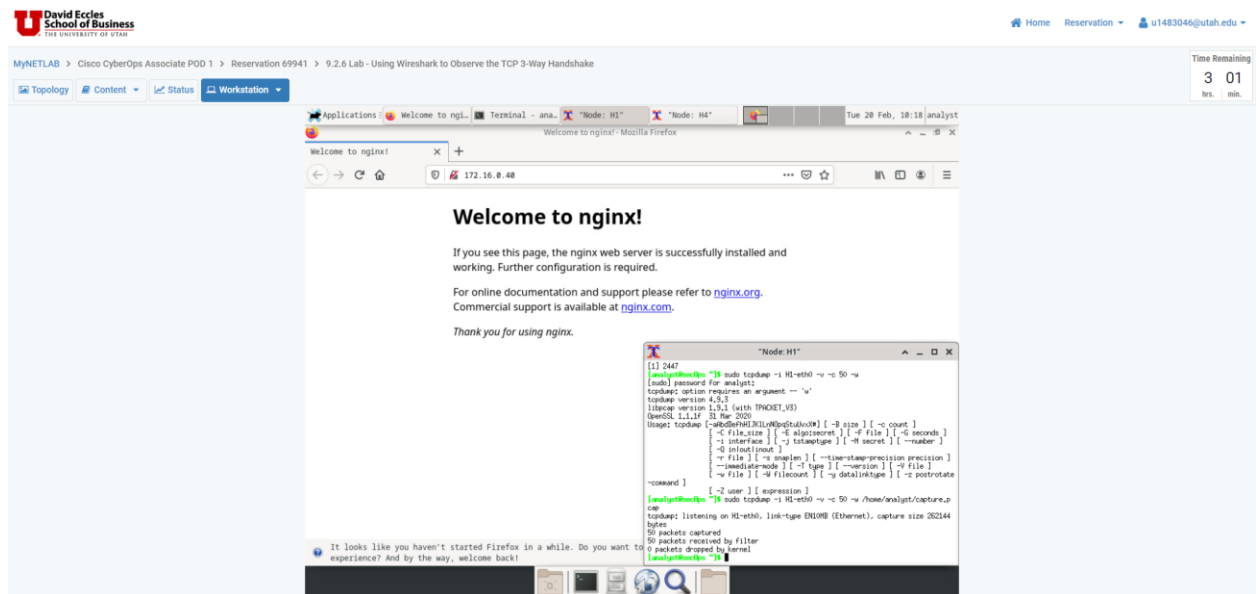
1. Lab 8.2.8, Part 2, Step 1e (Node: H3):



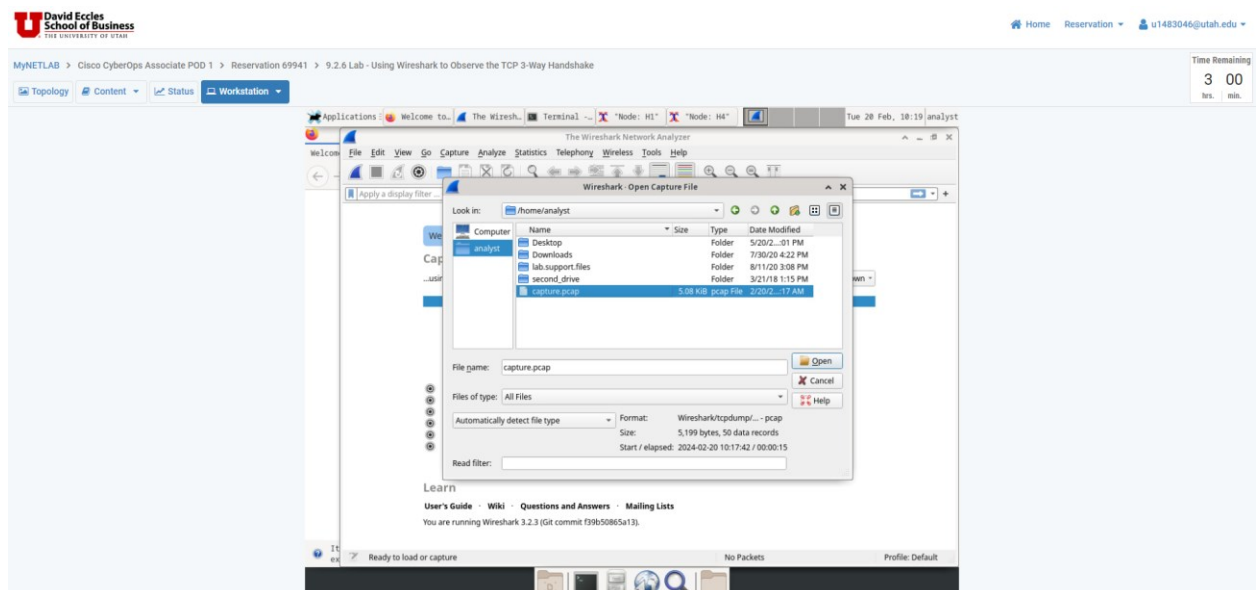
2. Lab 8.2.8, Part 2, Step 4:



3. Lab 9.2.6, Part 1, Step 1g (Noe: H1):



4. Lab 9.2.6, Part 2, Step 1a&b:



5. Lab 9.2.6, Part 2, Step 1c (after applying the tcp filter it may be empty and you may have to repeat this step as indicated in Step 1c):

Applications welcome to capture.pcap Terminal "Node: H1" "Node: H4" Tue 20 Feb, 10:24 analyst

Welcome to nginx! - Mozilla Firefox

capture.pcap

Statistics Telephony Wireless Tools Help

Filter: http

No.	Time	Source	Destination	Protocol	Length	Info
35	9.174820	172.16.0.40	10.0.0.11	HTTP	246	HTTP/1.1 304 Not Modified
36	9.174111	10.0.0.11	172.16.0.40	TCP	66	43996 -> 80 [ACK] Seq=875 Ack=361 Win=42496 Len=0
37	9.354235	10.0.0.11	172.16.0.40	HTTP	583	GET / HTTP/1.1
38	9.354265	172.16.0.40	10.0.0.11	TCP	66	80 -> 43996 [ACK] Seq=361 Ack=1312 Win=43888 Len=0
39	9.354326	172.16.0.40	10.0.0.11	HTTP	246	HTTP/1.1 304 Not Modified
40	9.354338	10.0.0.11	172.16.0.40	TCP	66	43996 -> 80 [ACK] Seq=1312 Ack=541 Win=42496 Len=0
41	9.535299	10.0.0.11	172.16.0.40	HTTP	583	GET / HTTP/1.1
42	9.535326	172.16.0.40	10.0.0.11	TCP	66	80 -> 43996 [ACK] Seq=541 Ack=1749 Win=43888 Len=0
43	9.535382	172.16.0.40	10.0.0.11	HTTP	246	HTTP/1.1 304 Not Modified
44	9.535418	10.0.0.11	172.16.0.40	TCP	66	43996 -> 80 [ACK] Seq=1749 Ack=721 Win=42496 Len=0

Frame 39: 246 bytes on wire (1968 bits), 246 bytes captured (1968 bits) on interface 0

Ethernet II, Src: 2e:74:ac:fc:f8:be (2e:74:ac:fc:f8:be), Dst: 92:95:59:b8:07:0d (92:95:59:b8:07:0d)

Internet Protocol Version 4, Src: 172.16.0.40, Dst: 10.0.0.11

Transmission Control Protocol, Src Port: 80, Dst Port: 43996, Seq: 361, Ack: 1312, Len: 180

Source Port: 80

Destination Port: 43996

(Stream index: 0)

[TCP Segment Len: 180]

Sequence number: 361 (relative sequence number)

Sequence number (raw): 2991084523

[Next sequence number: 541 (relative sequence number)]

Acknowledgment number: 1312 (relative ack number)

0000 92 95 59 b8 07 0d 2e 74 ac fc f8 be 00 00 45 00 Y . t . . . E

0010 00 00 00 7c 40 00 3f 86 7c 51 ac 10 00 28 0a 00 P

0020 00 00 00 50 ab dc b2 54 d7 0b a5 89 75 59 88 18 T

0030 00 54 b7 1d 00 00 01 00 0a 35 fc 39 0f b7 71 5

0040 f1 72 40 54 54 50 2f 31 2e 31 20 33 30 34 20 4e HTTP/1.1 304 N

0050 6f 74 20 4d 6f 64 69 66 69 65 64 0d 0a 53 65 72 ot Modif ied Ser

Packets: 100 - Displayed: 69 (69.0%) Profile: Default