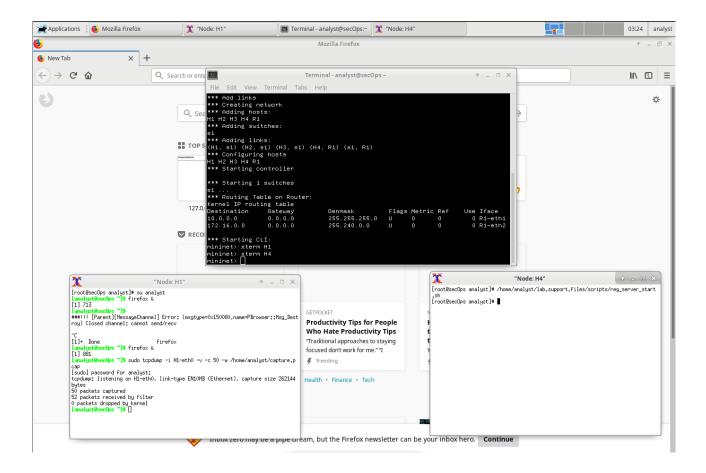
THREE-WAY HANDSHAKE CAPTURE

Prepare the Hosts



Analyze the Packets using Wireshark

132 89.917723	10.0.0.11	172.16.0.40	TCP	74 38328 → 80 [SYN] Seq=0 Win=29200 Len=0 MSS=1460 SACK_PERM=1 TSval=4228475936 TSecr=0 WS=512
133 89.917748	172.16.0.40	10.0.0.11	TCP	74 80 → 38328 [SYN, ACK] Seq=0 Ack=1 Win=28960 Len=0 MSS=1460 SACK_PERM=1 TSval=342774569 TSecr=4228475
134 89.917755	10.0.0.11	172.16.0.40	TCP	66 38328 → 80 [ACK] Seq=1 Ack=1 Win=29696 Len=0 TSval=4228475936 TSecr=342774569
135 89.917818	10.0.0.11	172.16.0.40	HTTP	484 GET/HTTP/1.1

```
▶ Ethernet II, Src: e6:24:1a:62:e8:44 (e6:24:1a:62:e8:44), Dst: ce:39:ad:9b:f6:14 (ce:39:ad:9b:f6:14)
▶ Internet Protocol Version 4, Src: 10.0.0.11, Dst: 172.16.0.40
▼ Transmission Control Protocol, Src Port: 38328, Dst Port: 80, Seq: 0, Len: 0
     Source Port: 38328
     Destination Port: 80
     [Stream index: 1]
     [TCP Segment Len: 0]
     Sequence number: 0 (relative sequence number)
     [Next sequence number: 0 (relative sequence number)]
     Acknowledgment number: 0
     1010 .... = Header Length: 40 bytes (10)
Flags: 0x002 (SYN)
    Window size value: 29200
     [Calculated window size: 29200]
     Checksum: 0xb671 [unverified]
    [Checksum Status: Unverified]
   Dotions: (20 bytes), Maximum segment size, SACK permitted, Timestamps, No-Operation (NOP), Window scale
   ▶ [Timestamps]
```

View the packets using tcpdump

```
Lanalyst@secOps "J$ tcpdump -r /home/analyst/capture.pcap -c 3
reading from file /home/analyst/capture.pcap, link-type EN10MB (Ethernet)
03:51:59.997639 IP secOps.38326 > 172.16.0.40.http: Flags [P.], seq 274819775:27
4820193, ack 1329984255, win 64, options [nop,nop,TS val 4228386018 ecr 34267655
3], length 418: HTTP: GET / HTTP/1.1
03:51:59.997760 IP 172.16.0.40.http > secOps.38326: Flags [P.], seq 1:181, ack 4
18, win 63, options [nop,nop,TS val 342684651 ecr 4228386018], length 180: HTTP:
HTTP/1.1 304 Not Modified
03:51:59.997791 IP secOps.38326 > 172.16.0.40.http: Flags [.], ack 181, win 67, options [nop,nop,TS val 4228386018 ecr 342684651], length 0
```

```
[analyst@secUps ~1$ sudo mm -c
[sudo] password for analyst:

*** Removing excess controllers/ofprotocols/ofdatapaths/pings/noxes
killall controller ofprotocol ofdatapath ping nox_core lt-nox_core ovs-openflowd ovs-controller udpbwtest mnexec ivs 2> /dev/null
killall -9 controller ofprotocol ofdatapath ping nox_core lt-nox_core ovs-openflowd ovs-controller udpbwtest mnexec ivs 2> /dev/null
pkill -9 -f "sudo mnexec"

*** Removing junk from /tmp / tmp/*.out /tmp/*.out /tmp/*.log

*** Removing junk from /tmp/vlogs* / tmp/*.out /tmp/*.log

*** Removing old XiI tunnels

pkill -9 -f mininet

*** Shutting down stale tunnels

pkill -9 -f innel=Ithernet

pkill -9 -f Innel=I
```