B20238 Vikas Dangi
B20121 Pushkar Patel
B20228 Saksham Kumar

DNS Questions

Answers-

1. UDP
2. Source Port -46438 , Destination Port - 53
3. 172.21.176.1 and 172.21.184.219
4. 1.56 seconds
5. 172.21.184.219
6.

LOCATION

Country	United States (US)
Continent	North America (NA)
Coordinates	37.751 (lat) / -97.822 (long)
Time	2022-11-01 05:50:02 (America/Chicago)

NETWORK

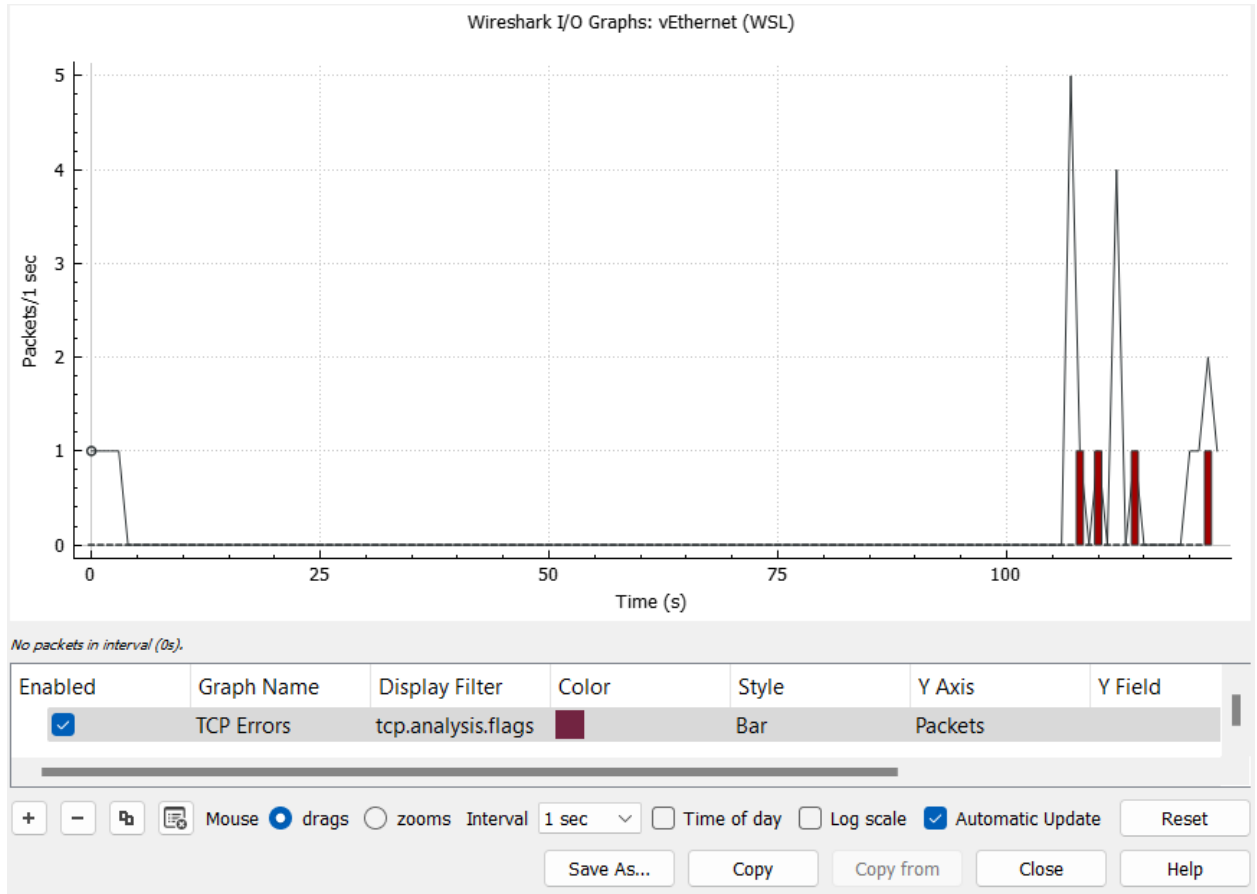|	
IP address	72.21.176.1
Hostname	1.176.21.72.ezecastlehosting.com
Provider	ECINET
ASN	14717

HTTP Questions

1. UDP, TCP, HTTP, DNS
2. 0.0439 sec
3. 04:92:26:20:1f:d0
4. Ethernet II, Src: IntelCor_e3:e6:ee (28:d0:ea:e3:e6:ee), Dst: ASUSTekC_20:1f:d0 (04:92:26:20:1f:d0)

Winget Ping-
Answers
1. dev/null is called the blackhole of the linux, everything written in dev/null is considered lost.

2.

Throughput max is 5

3. After setting limit max throughput is 1

Measure latency using Ping

1. 127.0.0.1:   0.044 ms
   www.google.com: 109.404 ms
   www.iitmandi.ac.in: 449.091 ms

2. Relative Ordering: www.iitmandi.ac.in > www.google.com > 127.0.0.1
   Latency is affected by website content, distance, etc.
   Among the three pinged sites the website content usually contributes to the observed result.