

Nama : Qonita Al'afwa

Nim : 09011281520103

Kelas : SK5C

## JARINGAN KOMPUTER

Web Browsing : Detik.com

Hasil capture pada Wireshark

The screenshot displays the Wireshark interface with a network capture. The packet list pane shows the following packets:

No.	Time	Source	Destination	Protocol	Length	Info
1	0.000000	103.243.221.87	192.168.43.133	TLSv1.2	1454	Ignored Unknown Record
2	0.005123	103.243.221.87	192.168.43.133	TLSv1.2	463	Ignored Unknown Record
3	0.005273	192.168.43.133	103.243.221.87	TCP	54	51470 → 443 [ACK] Seq=1 Ack=1810 Win=260 Len=0
4	0.005396	103.243.221.87	192.168.43.133	TLSv1.2	463	[TCP Spurious Retransmission] , Ignored Unknown Record
5	0.005440	192.168.43.133	103.243.221.87	TCP	66	[TCP Dup ACK #1] 51470 → 443 [ACK] Seq=1 Ack=1810 Win=260 Len=0 SLE=1401 SRE=1810
6	0.008219	192.168.43.133	103.243.221.87	TLSv1.2	180	Client Key Exchange, Change Cipher Spec, Encrypted Handshake Message
7	0.009386	192.168.43.133	216.58.201.162	TCP	55	51167 → 80 [ACK] Seq=1 Ack=1 Win=255 Len=1
8	0.548249	52.74.109.40	192.168.43.133	TLSv1.2	85	Encrypted Alert
9	0.548398	52.74.109.40	192.168.43.133	TCP	54	443 → 51441 [FIN, ACK] Seq=32 Ack=1 Win=43 Len=0
10	0.548492	192.168.43.133	52.74.109.40	TCP	54	51441 → 443 [ACK] Seq=1 Ack=33 Win=254 Len=0
11	0.574000	103.49.221.244	192.168.43.133	TCP	54	80 → 51370 [FIN, ACK] Seq=1 Ack=1 Win=136 Len=0
12	0.574120	192.168.43.133	103.49.221.244	TCP	54	51370 → 80 [ACK] Seq=1 Ack=2 Win=258 Len=0
13	0.617858	103.49.221.244	192.168.43.133	TCP	54	80 → 51369 [FIN, ACK] Seq=1 Ack=1 Win=136 Len=0
14	0.618005	192.168.43.133	103.49.221.244	TCP	54	51369 → 80 [ACK] Seq=1 Ack=2 Win=258 Len=0
15	0.618132	103.243.221.87	192.168.43.133	TLSv1.2	312	New Session Ticket, Change Cipher Spec, Encrypted Handshake Message
16	0.627212	192.168.43.133	103.243.221.87	TCP	1314	51470 → 443 [ACK] Seq=127 Ack=2068 Win=259 Len=1260 [TCP segment of a reassembled PDU]
17	0.627437	192.168.43.133	103.243.221.87	TLSv1.2	290	Application Data
18	0.641565	192.168.43.133	172.217.17.78	SSL	55	Continuation Data
19	0.733072	216.58.201.162	192.168.43.133	TCP	66	80 → 51167 [ACK] Seq=1 Ack=2 Win=174 Len=0 SLE=1 SRE=2
20	0.815722	192.168.43.133	52.221.148.16	SSL	55	Continuation Data
21	0.887578	52.221.148.16	192.168.43.133	TCP	54	443 → 51288 [ACK] Seq=1 Ack=2 Win=30394 Len=0

The packet details pane shows the following information:

- Frame 1: 1454 bytes on wire (11632 bits), 1454 bytes captured (11632 bits) on interface 0
- Ethernet II, Src: Guangdon\_aa:5d:c3 (bc:3a:ea:aa:5d:c3), Dst: LiteonTe\_5a:16:f3 (b8:86:87:5a:16:f3)
- Internet Protocol Version 4, Src: 103.243.221.87, Dst: 192.168.43.133
- Transmission Control Protocol, Src Port: 443, Dst Port: 51470, Seq: 1, Ack: 1, Len: 1400

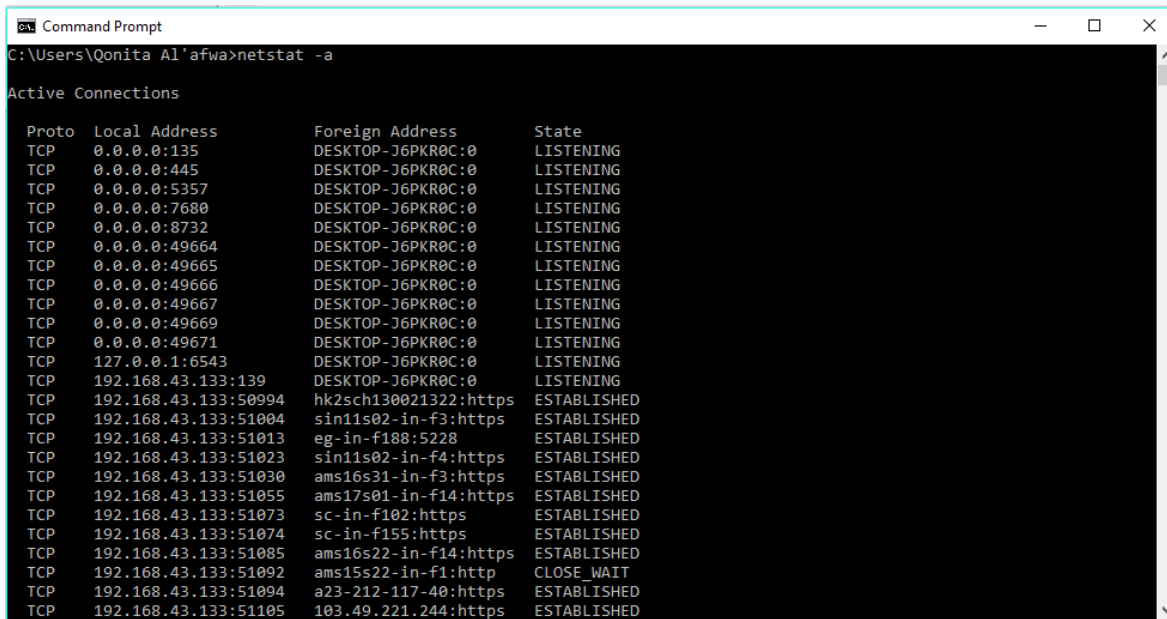
The packet bytes pane shows the raw hex and ASCII data for the selected packet.

Hasil capture pada Wireshark saat Capture Filters

The screenshot displays the Wireshark Capture Filters dialog box. The filters are listed as follows:

Name	Filter
Ethernet address 00:00:5e:00:53:00	ether host 00:00:5e:00:53:00
Ethernet type 0x0806 (ARP)	ether proto 0x0806
No Broadcast and no Multicast	not broadcast and not multicast
No ARP	not arp
IPv4 only	ip
IPv4 address 192.0.2.1	host 192.0.2.1
IPv6 only	ip6
IPv6 address 2001:db8::1	host 2001:db8::1
IPX only	ipx
TCP only	tcp
UDP only	udp
TCP or UDP port 80 (HTTP)	port 80
HTTP TCP port (80)	tcp port http
No ARP and no DNS	not arp and port not 53
Non-HTTP and non-SMTP to/from www.wireshark.org not port 80 and not port 25 and host www.wireshark.org	

## Hasil capture pada cmd



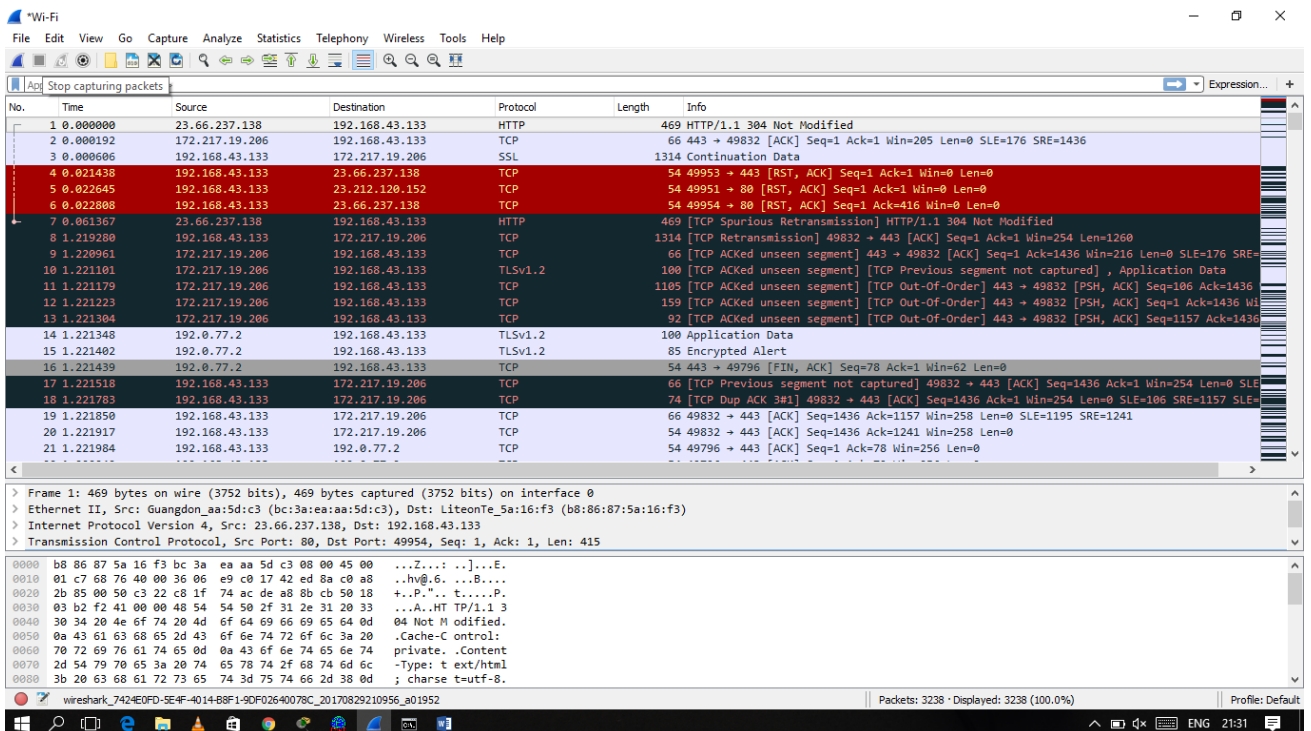
```
Command Prompt
C:\Users\Qonita Al'afwa>netstat -a

Active Connections

Proto Local Address           Foreign Address         State
TCP   0.0.0.0:135             DESKTOP-J6PKR0C:0     LISTENING
TCP   0.0.0.0:445             DESKTOP-J6PKR0C:0     LISTENING
TCP   0.0.0.0:5357            DESKTOP-J6PKR0C:0     LISTENING
TCP   0.0.0.0:7680            DESKTOP-J6PKR0C:0     LISTENING
TCP   0.0.0.0:8732            DESKTOP-J6PKR0C:0     LISTENING
TCP   0.0.0.0:49664           DESKTOP-J6PKR0C:0     LISTENING
TCP   0.0.0.0:49665           DESKTOP-J6PKR0C:0     LISTENING
TCP   0.0.0.0:49666           DESKTOP-J6PKR0C:0     LISTENING
TCP   0.0.0.0:49667           DESKTOP-J6PKR0C:0     LISTENING
TCP   0.0.0.0:49669           DESKTOP-J6PKR0C:0     LISTENING
TCP   0.0.0.0:49671           DESKTOP-J6PKR0C:0     LISTENING
TCP   127.0.0.1:6543          DESKTOP-J6PKR0C:0     LISTENING
TCP   192.168.43.133:139      DESKTOP-J6PKR0C:0     LISTENING
TCP   192.168.43.133:50994    hk2sch130021322:https ESTABLISHED
TCP   192.168.43.133:51004    sin11s02-in-f3:https ESTABLISHED
TCP   192.168.43.133:51013    eg-in-f188:5228       ESTABLISHED
TCP   192.168.43.133:51023    sin11s02-in-f4:https ESTABLISHED
TCP   192.168.43.133:51030    ams16s31-in-f3:https ESTABLISHED
TCP   192.168.43.133:51055    ams17s01-in-f14:https ESTABLISHED
TCP   192.168.43.133:51073    sc-in-f102:https      ESTABLISHED
TCP   192.168.43.133:51074    sc-in-f155:https      ESTABLISHED
TCP   192.168.43.133:51085    ams16s22-in-f14:https ESTABLISHED
TCP   192.168.43.133:51092    ams15s22-in-f1:http   CLOSE_WAIT
TCP   192.168.43.133:51094    a23-212-117-40:https ESTABLISHED
TCP   192.168.43.133:51105    103.49.221.244:https ESTABLISHED
```

## Online Streaming : Vidio.com

## Hasil capture pada Wireshark



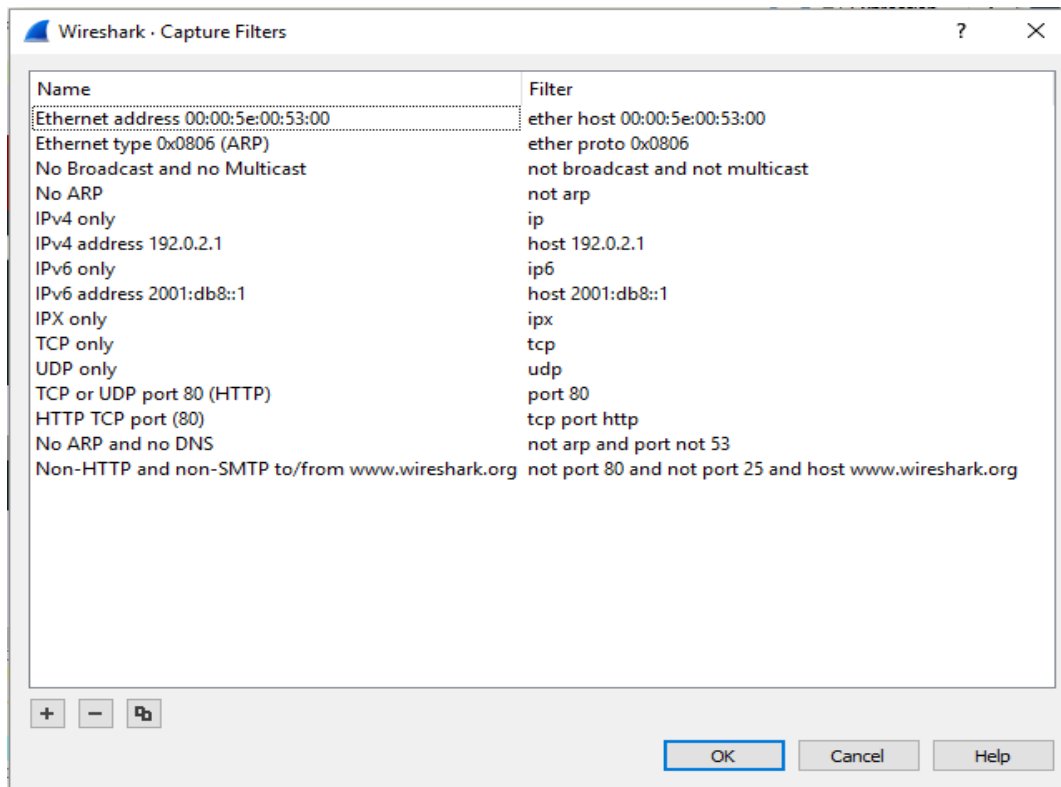
Wireshark capture showing network traffic. The main pane displays a list of packets with columns for No., Time, Source, Destination, Protocol, Length, and Info. Packet 4 is highlighted in red, indicating a TCP RST segment. The packet details pane below shows the structure of the selected packet, including Ethernet II, Internet Protocol Version 4, and Transmission Control Protocol fields.

No.	Time	Source	Destination	Protocol	Length	Info
1	0.000000	23.66.237.138	192.168.43.133	HTTP	469	HTTP/1.1 304 Not Modified
2	0.000192	172.217.19.206	192.168.43.133	TCP	66	443 → 49832 [ACK] Seq=1 Ack=1 Win=205 Len=0 SLE=176 SRE=1436
3	0.000606	192.168.43.133	172.217.19.206	SSL	1314	Continuation Data
4	0.021438	192.168.43.133	23.66.237.138	TCP	54	49953 → 443 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
5	0.022645	192.168.43.133	23.212.120.152	TCP	54	49951 → 80 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
6	0.022808	192.168.43.133	23.66.237.138	TCP	54	49954 → 80 [RST, ACK] Seq=1 Ack=416 Win=0 Len=0
7	0.061367	23.66.237.138	192.168.43.133	HTTP	469	[TCP Spurious Retransmission] HTTP/1.1 304 Not Modified
8	1.219280	192.168.43.133	172.217.19.206	TCP	1314	[TCP Retransmission] 49832 → 443 [ACK] Seq=1 Ack=1 Win=254 Len=1260
9	1.220961	172.217.19.206	192.168.43.133	TCP	66	[TCP ACKed unseen segment] 443 → 49832 [ACK] Seq=1 Ack=1436 Win=216 Len=0 SLE=176 SRE=1436
10	1.221101	172.217.19.206	192.168.43.133	TLSv1.2	100	[TCP ACKed unseen segment] [TCP Previous segment not captured], Application Data
11	1.221179	172.217.19.206	192.168.43.133	TCP	1105	[TCP ACKed unseen segment] [TCP Out-Of-Order] 443 → 49832 [PSH, ACK] Seq=106 Ack=1436 Win=0 Len=0
12	1.221223	172.217.19.206	192.168.43.133	TCP	159	[TCP ACKed unseen segment] [TCP Out-Of-Order] 443 → 49832 [PSH, ACK] Seq=1 Ack=1436 Win=0 Len=0
13	1.221304	172.217.19.206	192.168.43.133	TCP	92	[TCP ACKed unseen segment] [TCP Out-Of-Order] 443 → 49832 [PSH, ACK] Seq=1157 Ack=1436 Win=0 Len=0
14	1.221348	192.0.77.2	192.168.43.133	TLSv1.2	100	Application Data
15	1.221402	192.0.77.2	192.168.43.133	TLSv1.2	85	Encrypted Alert
16	1.221439	192.0.77.2	192.168.43.133	TCP	54	443 → 49796 [FIN, ACK] Seq=78 Ack=1 Win=62 Len=0
17	1.221518	192.168.43.133	172.217.19.206	TCP	66	[TCP Previous segment not captured] 49832 → 443 [ACK] Seq=1436 Ack=1 Win=254 Len=0 SLE=176 SRE=1436
18	1.221783	192.168.43.133	172.217.19.206	TCP	74	[TCP Dup ACK #1] 49832 → 443 [ACK] Seq=1436 Ack=1 Win=254 Len=0 SLE=106 SRE=1157 SLE=1157
19	1.221850	192.168.43.133	172.217.19.206	TCP	66	49832 → 443 [ACK] Seq=1436 Ack=1157 Win=258 Len=0 SLE=1195 SRE=1241
20	1.221917	192.168.43.133	172.217.19.206	TCP	54	49832 → 443 [ACK] Seq=1436 Ack=1241 Win=258 Len=0
21	1.221984	192.168.43.133	192.0.77.2	TCP	54	49796 → 443 [ACK] Seq=1 Ack=78 Win=256 Len=0

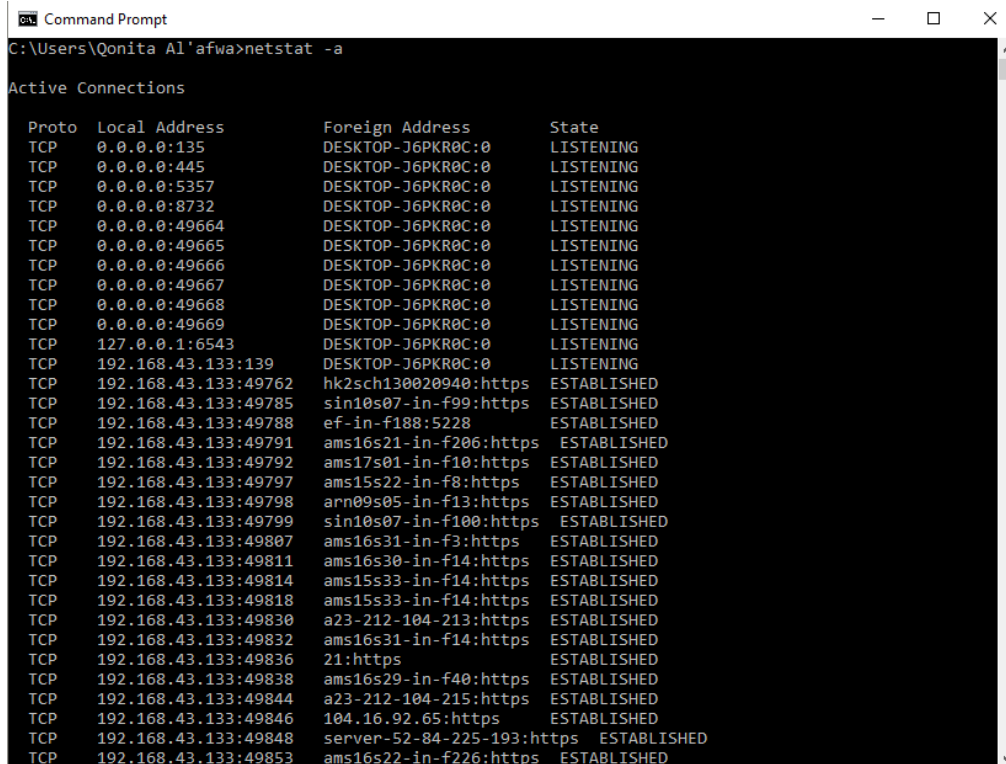
Frame 1: 469 bytes on wire (3752 bits), 469 bytes captured (3752 bits) on interface 0  
> Ethernet II, Src: Guandong\_aa5d:c3 (bc:3a:ea:aa:5d:c3), Dst: LiteonTe\_5a:16:f3 (b8:86:87:5a:16:f3)  
> Internet Protocol Version 4, Src: 23.66.237.138, Dst: 192.168.43.133  
> Transmission Control Protocol, Src Port: 80, Dst Port: 49954, Seq: 1, Ack: 1, Len: 415

0000 b8 86 87 5a 16 f3 bc 3a ea aa 5d c3 08 00 45 00 ...Z...:..].E.  
0010 01 c7 68 76 40 00 36 06 e9 c0 17 42 ed 8a c0 a8 ..hv@.6. ...B...  
0020 2b 85 00 50 c3 22 c8 1f 74 ac de a0 8b cb 50 18 +.P.\*. ...t....P.  
0030 03 b2 f2 41 00 00 48 54 54 50 2f 31 2e 31 20 33 ...A..HT TP/1.1 3  
0040 30 34 20 4e 6f 74 20 4d 6f 64 69 66 69 65 64 0d 04 Not Modified.  
0050 0a 43 61 63 68 65 2d 43 6f 6e 74 72 6f 6c 3a 20 .Cache-C ontrol:  
0060 70 72 69 76 61 74 65 0d 0a 43 6f 6e 74 65 6e 74 private .Content  
0070 2d 54 79 70 65 3a 20 74 65 78 74 2f 68 74 6d 6c -Type: t ext/html  
0080 3b 20 63 68 61 72 73 65 74 3d 75 74 66 2d 38 0d ; charse t=utf-8.

## Hasil capture pada Wireshark saat Capture Filters



## Hasil capture pada cmd



Source : Detik.com

IP	Info
216.58.201.162	443 → 52022 [FIN, ACK] Seq=1 Ack=1 Win=119 Len=0
192.168.43.133	Standard query 0x88f4 A ads.pubmatic.com
192.168.43.1	Standard query response 0x88f4 A ads.pubmatic.com CNAME pubmatic.edgekey.net CNAME e6603.g.akamaiedge.net A 115.146.116.243
115.146.116.243	443 → 52035 [SYN, ACK] Seq=0 Ack=1 Win=29200 Len=0 MSS=1400 SACK_PERM=1 WS=32

Destination :

IP	Info
192.168.43.133	443 → 52022 [FIN, ACK] Seq=1 Ack=1 Win=119 Len=0
192.168.43.1	Standard query 0x88f4 A ads.pubmatic.com
115.146.116.243	52035 → 443 [SYN] Seq=0 Win=65520 Len=0 MSS=1460 WS=256 SACK_PERM=1

Source : Vidio.com

IP	Info
23.66.237.138	HTTP/1.1 304 Not Modified
172.217.19.206	443 → 49832 [ACK] Seq=1 Ack=1 Win=205 Len=0 SLE=176 SRE=1436
192.168.43.133	Continuation Data
192.0.77.2	Application Data

Destination :

IP	Info
192.168.43.133	HTTP/1.1 304 Not Modified
172.217.19.206	Continuation Data
23.66.237.138	49953 → 443 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
23.212.120.152	49951 → 80 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
192.0.77.2	49796 → 443 [ACK] Seq=1 Ack=78 Win=256 Len=0