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SI REG 4A

Komunikasi Data dan Jaringan

## INDONESIA PAGEANT(LOKAL)

Komunikasi data menggunakan url indonesia pageant

No.	Time	Source	Destination	Protocol	Length	Info
1	0.000000	10.178.14.8	74.125.200.154	QUIC	170	Payload (Encrypted), PKN: 33, CID: 17404887653648174861
2	0.044566	74.125.200.154	10.178.14.8	QUIC	125	Payload (Encrypted), PKN: 32
3	0.070290	10.178.14.8	74.125.200.154	QUIC	80	Payload (Encrypted), PKN: 34, CID: 17404887653648174861
4	2.257228	fe80::ffff:ffff:ffff:ffe0:::2	ff02::2	ICMPv6	103	Router Solicitation
5	2.733167	fe80::8000:f227:62c...	fe80::ffff:ffff:ffff:ffffe	ICMPv6	151	Router Advertisement
6	2.892189	10.178.14.8	10.178.21.1	TCP	54	50410 → 80 [FIN, ACK] Seq=1 Ack=1 Win=256 Len=0
7	2.892593	10.178.14.8	180.235.148.51	TCP	66	50414 → 80 [SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=256 SACK_PERM=1
8	2.893619	10.178.21.1	10.178.14.8	TCP	60	80 → 50410 [ACK] Seq=1 Ack=2 Win=1959 Len=0
9	2.928337	180.235.148.51	10.178.14.8	TCP	66	80 → 50414 [SYN, ACK] Seq=0 Ack=1 Win=5040 Len=0 MSS=1460 SACK_PERM=1 WS=128
10	2.928443	10.178.14.8	180.235.148.51	TCP	54	50414 → 80 [ACK] Seq=1 Ack=1 Win=65536 Len=0
11	2.928730	10.178.14.8	180.235.148.51	HTTP	850	GET /category/national/miss-indonesia/ HTTP/1.1
12	2.958787	180.235.148.51	10.178.14.8	TCP	60	80 → 50414 [ACK] Seq=1 Ack=797 Win=7552 Len=0
13	4.020603	180.235.148.51	10.178.14.8	TCP	1514	[TCP segment of a reassembled PDU]
14	4.020603	180.235.148.51	10.178.14.8	TCP	181	[TCP segment of a reassembled PDU]
15	4.020716	10.178.14.8	180.235.148.51	TCP	54	50414 → 80 [ACK] Seq=797 Ack=1588 Win=65536 Len=0
16	4.026202	10.178.14.8	74.125.200.154	QUIC	542	Payload (Encrypted), PKN: 12, CID: 6420113083967735062
17	4.073682	180.235.148.51	10.178.14.8	TCP	1514	[TCP segment of a reassembled PDU]
18	4.073683	180.235.148.51	10.178.14.8	TCP	1514	[TCP segment of a reassembled PDU]
19	4.073684	180.235.148.51	10.178.14.8	TCP	351	[TCP segment of a reassembled PDU]
20	4.073792	10.178.14.8	180.235.148.51	TCP	54	50414 → 80 [ACK] Seq=797 Ack=4805 Win=65536 Len=0
21	4.112885	74.125.200.154	10.178.14.8	QUIC	168	Payload (Encrypted), PKN: 9
22	4.138588	10.178.14.8	74.125.200.154	QUIC	77	Payload (Encrypted), PKN: 13, CID: 6420113083967735062
23	4.258262	180.235.148.51	10.178.14.8	TCP	1502	[TCP segment of a reassembled PDU]
24	4.258907	180.235.148.51	10.178.14.8	TCP	1502	[TCP segment of a reassembled PDU]
25	4.258976	10.178.14.8	180.235.148.51	TCP	54	50414 → 80 [ACK] Seq=797 Ack=7781 Win=65536 Len=0
26	4.259126	180.235.148.51	10.178.14.8	TCP	1502	[TCP segment of a reassembled PDU]
27	4.296795	180.235.148.51	10.178.14.8	TCP	1514	[TCP segment of a reassembled PDU]
28	4.296843	10.178.14.8	180.235.148.51	TCP	54	50414 → 80 [ACK] Seq=797 Ack=10609 Win=65536 Len=0
29	4.297277	180.235.148.51	10.178.14.8	TCP	1514	[TCP segment of a reassembled PDU]
30	4.334733	180.235.148.51	10.178.14.8	TCP	1514	[TCP segment of a reassembled PDU]
31	4.334790	10.178.14.8	180.235.148.51	TCP	54	50414 → 80 [ACK] Seq=797 Ack=13529 Win=65536 Len=0
32	4.334997	180.235.148.51	10.178.14.8	TCP	1514	[TCP segment of a reassembled PDU]
33	4.385213	180.235.148.51	10.178.14.8	TCP	1514	[TCP segment of a reassembled PDU]
34	4.385213	180.235.148.51	10.178.14.8	TCP	1514	[TCP segment of a reassembled PDU]
35	4.385214	180.235.148.51	10.178.14.8	TCP	1430	[TCP segment of a reassembled PDU]
36	4.385290	10.178.14.8	180.235.148.51	TCP	54	50414 → 80 [ACK] Seq=797 Ack=19285 Win=65536 Len=0

## INDONESIA OKEZONE(LOKAL)

Komunikasi data menggunakan url okezone

okeyzone.pcapng

File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

Apply a display filter ... <Ctrl-F>

No.	Time	Source	Destination	Protocol	Length	Info
1	0.000000	10.178.14.8	10.178.21.1	TCP	66	50579 → 80 [SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=256 SACK_PERM=1
2	0.589289	172.217.26.66	10.178.14.8	QUIC	359	Payload (Encrypted), PKN: 82
3	0.589289	74.125.200.154	10.178.14.8	HTTP	704	HTTP/1.0 204 No Content
4	0.589289	74.125.200.154	10.178.14.8	TCP	60	80 → 50570 [FIN, ACK] Seq=651 Ack=1 Win=55 Len=0
5	0.589290	74.125.200.154	10.178.14.8	HTTP	704	HTTP/1.0 204 No Content
6	0.589290	74.125.200.154	10.178.14.8	TCP	60	80 → 50571 [FIN, ACK] Seq=651 Ack=1 Win=56 Len=0
7	0.589461	10.178.14.8	74.125.200.154	TCP	54	50570 → 80 [ACK] Seq=1 Ack=652 Win=254 Len=0
8	0.589507	10.178.14.8	74.125.200.154	TCP	54	50571 → 80 [ACK] Seq=1 Ack=652 Win=254 Len=0
9	0.589715	74.125.200.154	10.178.14.8	HTTP	704	HTTP/1.0 204 No Content
10	0.589716	74.125.200.154	10.178.14.8	TCP	60	80 → 50569 [FIN, ACK] Seq=651 Ack=1 Win=56 Len=0
11	0.589716	23.2.16.32	10.178.14.8	HTTP	436	HTTP/1.0 204 No Content
12	0.589716	23.2.16.32	10.178.14.8	TCP	60	80 → 50572 [FIN, ACK] Seq=383 Ack=1 Win=56 Len=0
13	0.589717	61.213.187.243	10.178.14.8	HTTP	622	HTTP/1.0 200 OK (GIF89a)
14	0.589718	61.213.187.243	10.178.14.8	TCP	60	80 → 50563 [FIN, ACK] Seq=569 Ack=1 Win=54 Len=0
15	0.589718	61.213.187.243	10.178.14.8	HTTP	615	HTTP/1.0 200 OK (GIF89a)
16	0.589719	61.213.187.243	10.178.14.8	TCP	60	80 → 50573 [FIN, ACK] Seq=562 Ack=1 Win=54 Len=0
17	0.589719	23.2.16.32	10.178.14.8	HTTP	436	HTTP/1.0 204 No Content
18	0.589719	23.2.16.32	10.178.14.8	TCP	60	80 → 50574 [FIN, ACK] Seq=383 Ack=1 Win=56 Len=0
19	0.590002	10.178.14.8	74.125.200.154	TCP	54	50569 → 80 [ACK] Seq=1 Ack=652 Win=254 Len=0
20	0.590049	10.178.14.8	23.2.16.32	TCP	54	50572 → 80 [ACK] Seq=1 Ack=384 Win=255 Len=0
21	0.590077	10.178.14.8	61.213.187.243	TCP	54	50563 → 80 [ACK] Seq=1 Ack=570 Win=254 Len=0
22	0.590095	10.178.14.8	61.213.187.243	TCP	54	50573 → 80 [ACK] Seq=1 Ack=563 Win=254 Len=0
23	0.590113	10.178.14.8	23.2.16.32	TCP	54	50574 → 80 [ACK] Seq=1 Ack=384 Win=255 Len=0
24	0.590268	10.178.14.8	74.125.200.154	TCP	54	50570 → 80 [FIN, ACK] Seq=1 Ack=652 Win=254 Len=0
25	0.591200	10.178.14.8	23.2.16.32	TCP	54	50574 → 80 [FIN, ACK] Seq=1 Ack=384 Win=255 Len=0
26	0.592190	10.178.14.8	23.2.16.32	TCP	54	50572 → 80 [FIN, ACK] Seq=1 Ack=384 Win=255 Len=0
27	0.593870	10.178.14.8	202.80.220.100	TCP	66	50580 → 80 [SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=256 SACK_PERM=1
28	0.594133	10.178.14.8	202.80.220.100	TCP	66	50581 → 80 [SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=256 SACK_PERM=1
29	0.595837	10.178.14.8	74.125.200.154	TCP	54	50569 → 80 [FIN, ACK] Seq=1 Ack=652 Win=254 Len=0
30	0.596646	10.178.14.8	74.125.200.154	TCP	54	50571 → 80 [FIN, ACK] Seq=1 Ack=652 Win=254 Len=0
31	0.597358	10.178.14.8	61.213.187.243	TCP	54	50573 → 80 [FIN, ACK] Seq=1 Ack=563 Win=254 Len=0
32	0.597761	10.178.14.8	61.213.187.243	TCP	54	50563 → 80 [FIN, ACK] Seq=1 Ack=570 Win=254 Len=0
33	0.614726	10.178.14.8	172.217.26.66	QUIC	77	Payload (Encrypted), PKN: 59, CID: 6746099788449943351
34	0.620280	10.178.14.8	202.80.220.100	TLSv1.2	239	Application Data
35	0.620405	10.178.14.8	202.80.220.100	TLSv1.2	215	Application Data
36	0.620458	10.178.14.8	202.80.220.100	TLSv1.2	232	Application Data

Destination (p.dst), 4 bytes

Packets: 600 · Displayed: 600 (100.0%) · Load time: 0:0.24

Profile: Default

# EBAY(INTERNASIONAL)

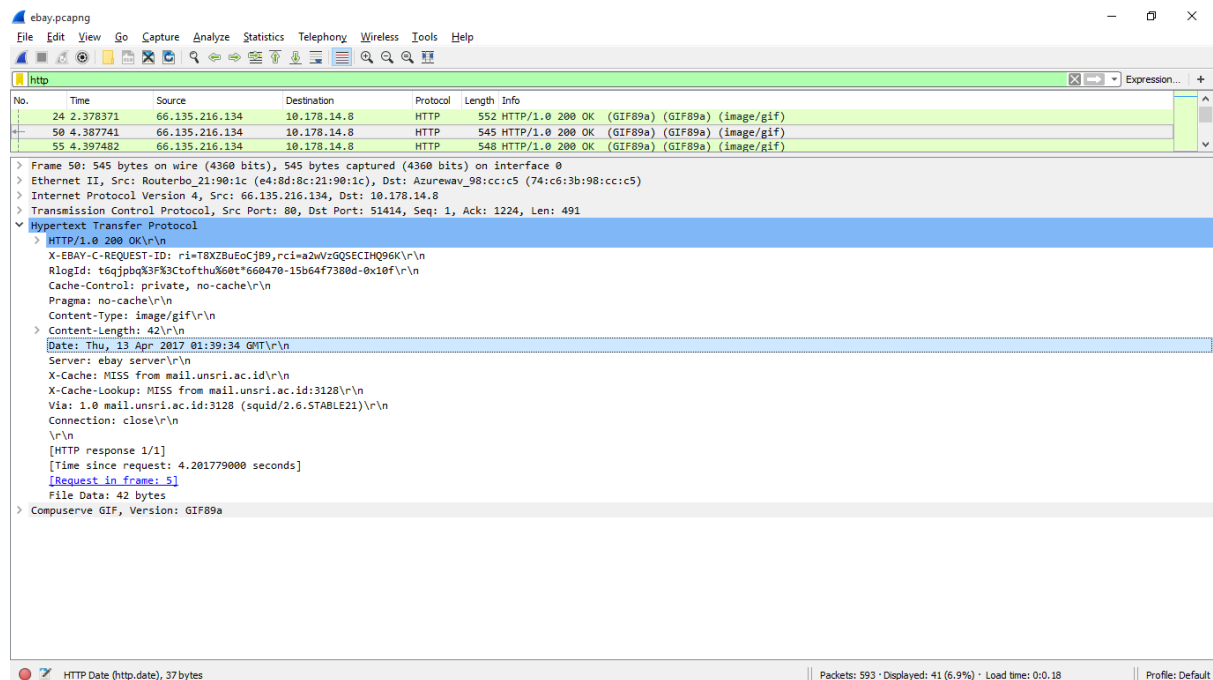
Analisis <https://www.ebay.com>

The image shows a browser window displaying the eBay website. The page includes the eBay logo, a search bar, and various product listings under the 'Fashion' category. A sidebar on the left lists 'Sales & Events' and 'Shop by Category'. The main content area features a large banner with the text 'Look as you feel' and 'Wear what represents you', along with images of sunglasses, a man in a jacket, and a pair of sneakers. Below the banner, there are more product listings, including 'Fashion with Free Shipping'.

On the right side of the image, a network analysis tool is visible, showing a list of packets. A specific packet is highlighted, and a text box next to it reads 'Destination menggunakan protocol'. This indicates that the destination IP address of the selected packet is using a specific protocol.



2. Mengetahui data pada kolom address filter HTTP hasil dari capture data jaringan wireshark, lalu pilih salah satu protocol http pada box hypertext transfer protocol



Didalam box tersebut terdapat informasi sebagai berikut:

-Server yang di tuju yaitu ebay (Server:ebay server\r\n)

Server merupakan alamat yang diminta oleh destination ke source

-Content-Type berupa gambar (Content-Type: image/gif\r\n)

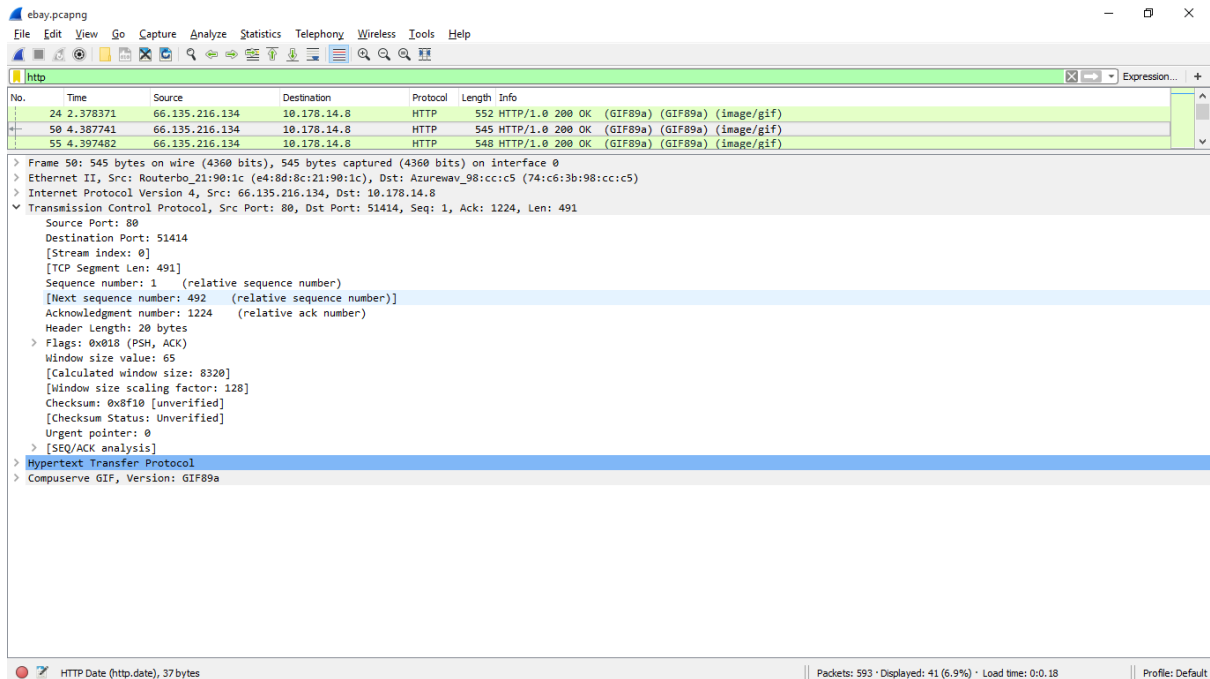
Content-Type merupakan jenis data dalam web

-Date atau waktu (Date: Thu, 13 Apr 2017 01:39:34 GMT\r\n)

Merupakan waktu pengiriman data

-Kesimpulannya ketika browser menuju URL yang di tuju contentna/isi merupakan gambar

3.Box transmission control protocol



-Source Port: 80

Source Port menunjukkan port dari source yaitu 80

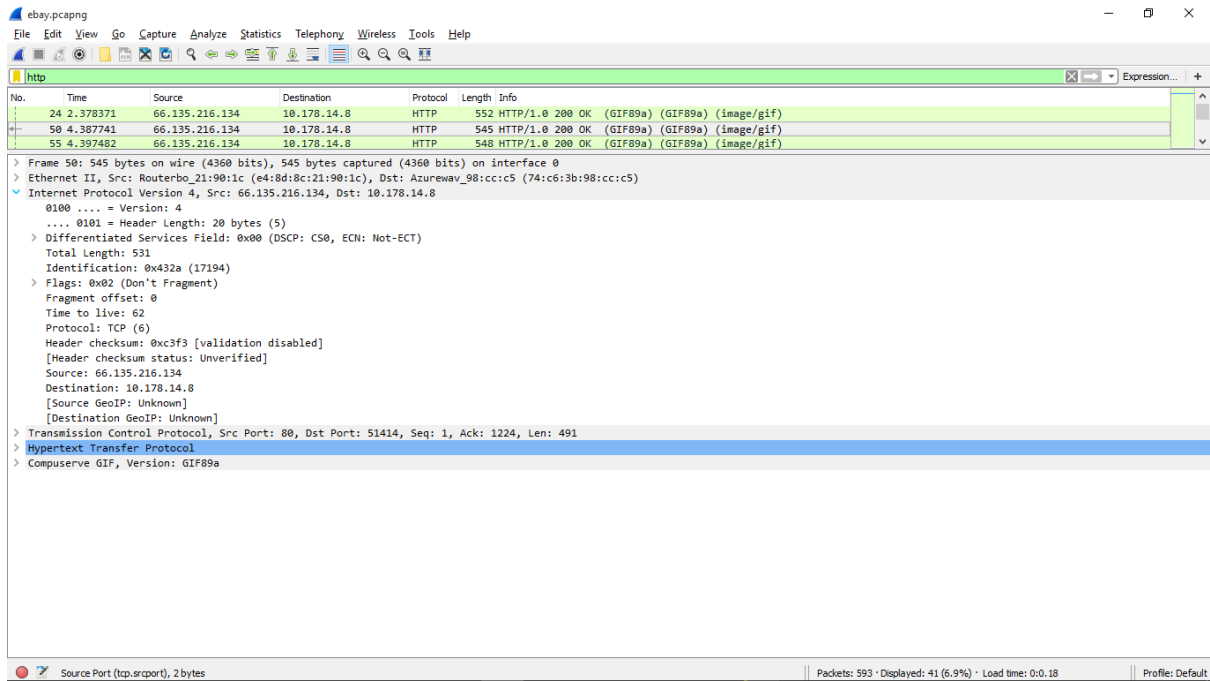
-Destination Port:51414

Destination Port menunjukkan port dari destination yaitu 63197

-Header length:20 bytes

Header length merupakan panjang header yang ada pada lapisan transport

4. Dalam box IP(Internet Protocol)



-Source: 66.135.216.134

-Destination: 10.178.14.8

Menunjukkan IP dari source 66.135.216.134 dan IP dari destination 10.178.14.8

# INSTAGRAM(SOSIAL MEDIA)

The image displays two overlapping windows. The top window is a web browser showing an Instagram profile for 'romadonn'. The profile picture is a person standing on a boat. The post has 116 likes and was posted 7 weeks ago. The caption reads: "romadonn Jangan terlalu sering melihat keatas,sesekali lihatlah kebawah". Below the caption are two tags: 'frank\_levy' and 'moums.fit cool :)'. The bottom window is Wireshark, showing a network capture of an HTTP GET request. The packet list shows a GET request to 'nvidia\_web\_services/controller.gfeclientcontent.php/com.nvidia.services.GFEClientContent.getShieldReady/{"gc...'. The packet details show the request structure: Ethernet II, Internet Protocol Version 4, Transmission Control Protocol, [2 Reassembled TCP Segments], Hypertext Transfer Protocol, and extensible Markup Language.

**Instagram Post:**

romadonn

116 likes 7w

romadonn Jangan terlalu sering melihat keatas,sesekali lihatlah kebawah

Siapa tau nemu uang 100 ribu.lumayan buat beli kuota internet #hestekmad

frank\_levy

moums.fit cool :)

Add a comment...

**Wireshark Capture:**

No.	Time	Source	Destination	Protocol	Length	Info
187	13.907555	192.168.43.149	192.229.189.227	HTTP	321	GET /nvidia_web_services/controller.gfeclientcontent.php/com.nvidia.services.GFEClientContent.getShieldReady/{"gc...
190	14.052518	192.229.189.227	192.168.43.149	HTTP/XL	780	HTTP/1.1 200 OK

Frame 190: 780 bytes on wire (6240 bits), 780 bytes captured (6240 bits) on interface 0

Ethernet II, Src: AsustekC\_09:d5:91 (10:c3:7b:09:d5:91), Dst: Azurewav\_98:cc:c5 (74:c6:3b:98:cc:c5)

Internet Protocol Version 4, Src: 192.229.189.227, Dst: 192.168.43.149

Transmission Control Protocol, Src Port: 80, Dst Port: 56750, Seq: 1401, Ack: 268, Len: 726

[2 Reassembled TCP Segments (2126 bytes): #189(1400), #190(726)]

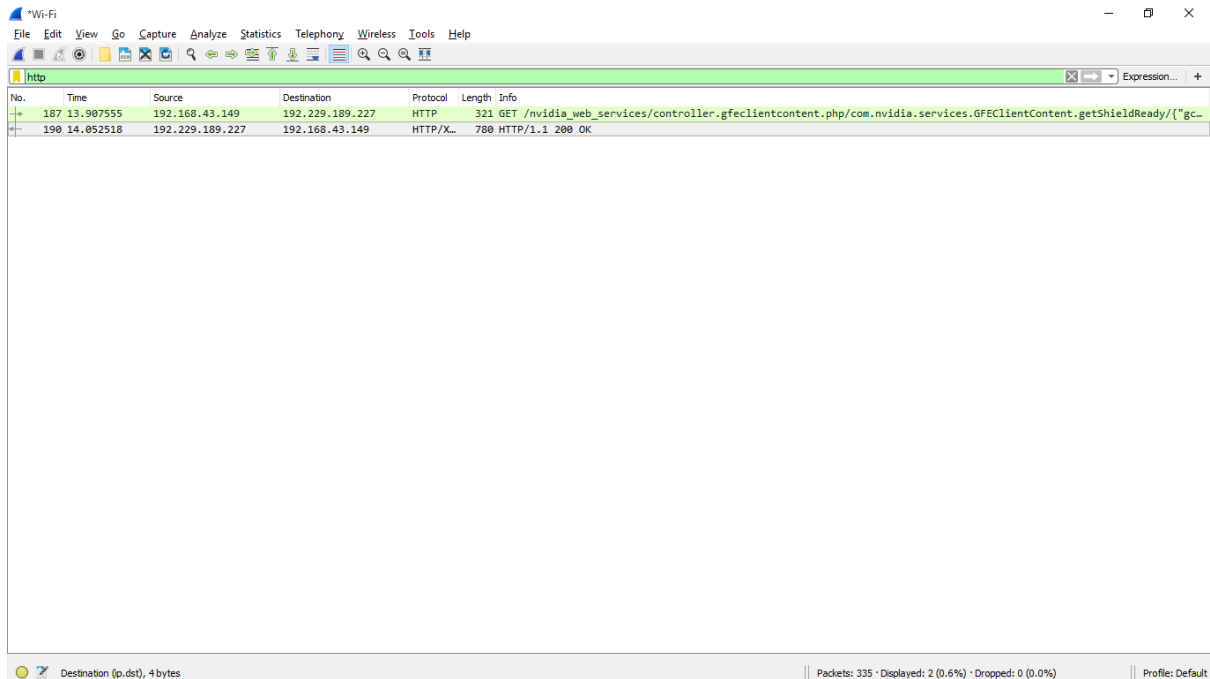
Hypertext Transfer Protocol

extensible Markup Language

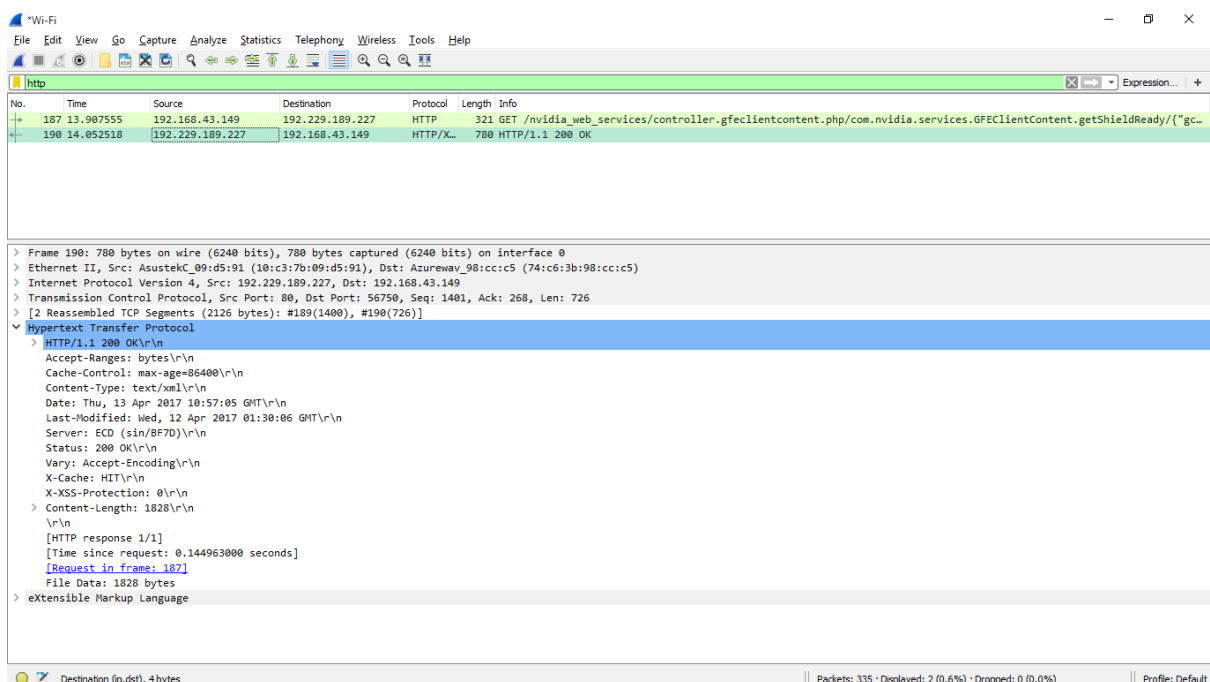
Destination (p.dst), 4 bytes | Packets: 335 · Displayed: 2 (0.6%) · Dropped: 0 (0.0%) | Profile: Default

# 1. Komunikasi Data

Pertukaran dari Source dan Destination menggunakan protocol yang di gunakan



2. Mengetahui data pada kolom address filter HTTP hasil dari capture data jaringan wireshark, lalu pilih salah satu protocol http pada box hypertext transfer protocol





Didalam box tersebut terdapat informasi sebagai berikut:

-Server yang di tuju yaitu ECD (Server: ECD server\r\n)

Server merupakan alamat yang diminta oleh destination ke source

-Content-Type berupa gambar (Content-Type: text/xml\r\n)

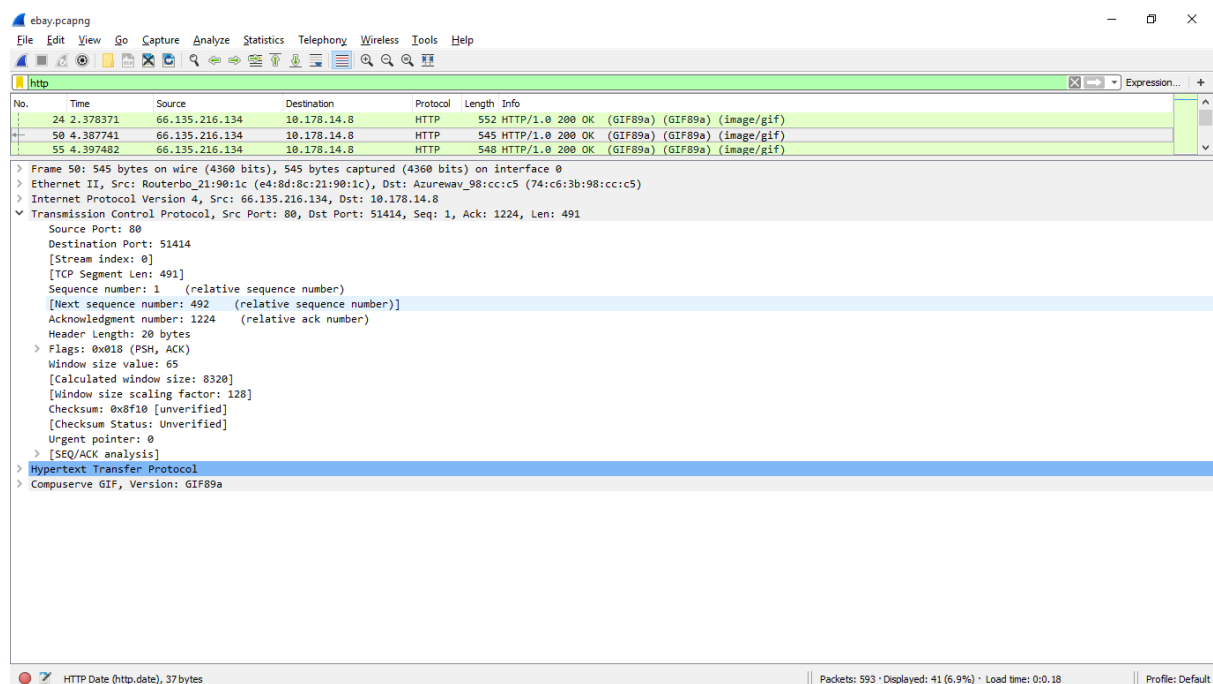
Content-Type merupakan jenis data dalam web

-Date atau waktu (Date: Thu, 13 Apr 2017 10:57:05 GMT\r\n)

Merupakan waktu pengiriman data

-Kesimpulannya ketika browser menuju URL yang di tuju content/isi merupakan text

### 3.Box transmission control protocol



-Source Port: 80

Source Port menunjukkan port dari source yaitu 80

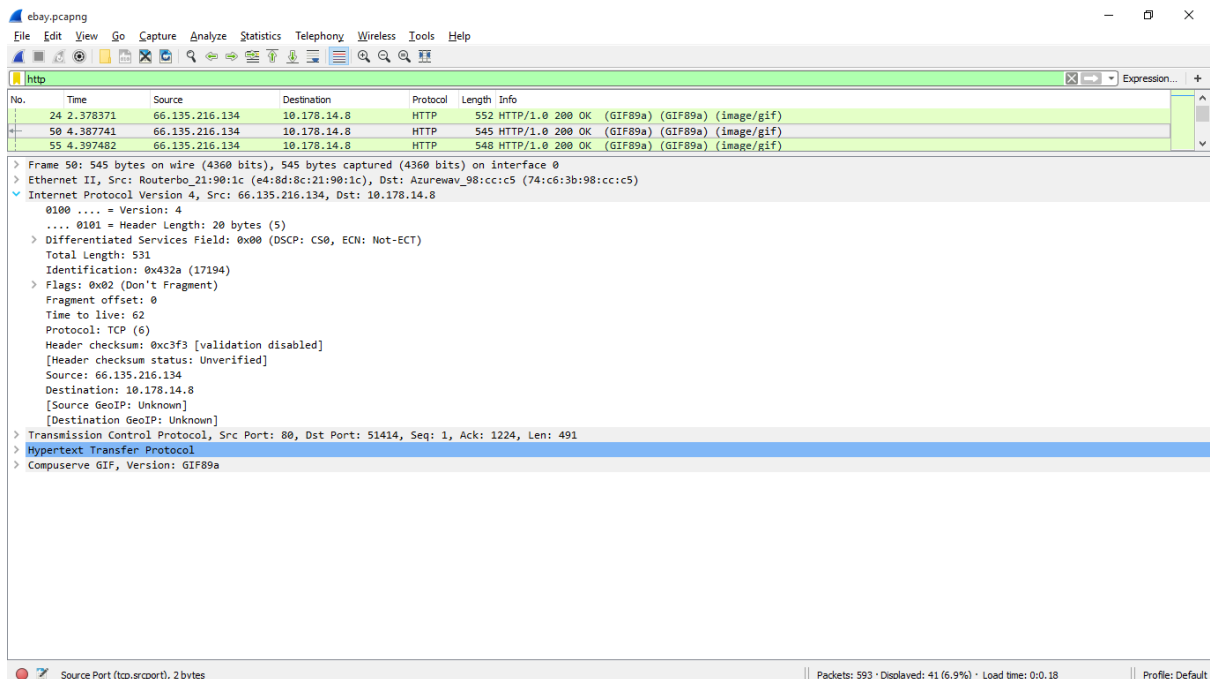
-Destination Port: 56750

Destination Port menunjukkan port dari destination yaitu 56750

-Header length:20 bytes

Header length merupakan panjang header yang ada pada lapisan transport

#### 4. Dalam box IP(Internet Protocol)



-Source: 192.229.189.227

-Destination: 192.168.43.149

Menunjukkan IP dari source 192.229.189.227 dan IP dari destination 192.168.43.149