

TUGAS
Mata Kuliah
Komunikasi Data dan Jaringan Komputer



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21518	141.147461	103.49.221.102	10.102.225.232	TCP	1514	[TCP segment of a reassembled PDU]
21519	141.147463	203.190.242.172	10.102.225.232	TLSv1.2	312	New Session Ticket, change cipher Spec, Encrypted Handshake Message
21520	141.147463	203.190.242.172	10.102.225.232	TLSv1.2	123	Application Data
21521	141.147505	10.102.225.232	103.49.221.102	TCP	54	54800 -> 443 [ACK] Seq=2817 Ack=159477 win=42044 Len=0
21522	141.147527	10.102.225.232	203.190.242.172	TCP	54	54836 -> 443 [ACK] Seq=331 Ack=3452 win=65372 Len=0
21523	141.147619	103.49.221.102	10.102.225.232	TCP	1514	[TCP segment of a reassembled PDU]
21524	141.147839	103.49.221.102	10.102.225.232	TCP	1514	[TCP segment of a reassembled PDU]
21525	141.147854	10.102.225.232	103.49.221.102	TCP	54	54800 -> 443 [ACK] Seq=2817 Ack=162397 win=39124 Len=0
21526	141.148042	103.49.221.102	10.102.225.232	TCP	1514	[TCP segment of a reassembled PDU]
21527	141.148044	103.49.221.102	10.102.225.232	TCP	1514	[TCP segment of a reassembled PDU]
21528	141.148063	10.102.225.232	103.49.221.102	TCP	54	54800 -> 443 [ACK] Seq=2817 Ack=165317 win=36204 Len=0
21529	141.148251	103.49.221.102	10.102.225.232	TCP	1514	[TCP segment of a reassembled PDU]
21530	141.172948	103.49.221.102	10.102.225.232	TCP	1514	[TCP segment of a reassembled PDU]
21531	141.172950	103.49.221.102	10.102.225.232	TCP	1514	[TCP segment of a reassembled PDU]
21532	141.173001	10.102.225.232	103.49.221.102	TCP	54	54800 -> 443 [ACK] Seq=2817 Ack=169697 win=31824 Len=0
21533	141.194557	10.102.225.232	10.100.130.5	DNS	76	Standard query 0x6935 A cdn.detik.net.id

Frame 1: 1514 bytes on wire (12112 bits), 1514 bytes captured (12112 bits) on interface 0
Ethernet II, Src: dell_44:8a:74 (00:1e:c9:44:8a:74), Dst: AskeyCom_60:4a:fa (4c:ed:de:60:4a:fa)
Internet Protocol Version 4, Src: 10.102.224.1, Dst: 10.102.225.232
Transmission Control Protocol, Src Port: 80, Dst Port: 54303, Seq: 1, Ack: 1, Len: 1460

```
0000 4c ed de 60 4a fa 00 1e c9 44 8a 74 08 00 45 00 L... ..D.T..E.  
0010 05 dc 76 23 40 00 00 06 e8 42 0a 66 e0 01 0a 66 ..v#@. .B.f...f  
0020 e1 e8 00 50 4d 1f bf 22 26 18 c3 77 b3 02 50 10 ...P... &.w.P.  
0030 01 1b 82 29 00 00 2f 0a 0a 20 20 2f 2a 0a 20 2a ...)../. ./*  
0040 20 4d 65 74 72 6f 20 55 49 20 43 53 53 0a 20 2a Metro UI CSS. *  
0050 20 28 63 29 20 32 30 31 32 2d 32 30 31 33 20 62 (c) 201 2-2013 b  
0060 79 20 53 65 72 67 65 79 20 50 69 6d 65 6e 6f 76 y Sergey Pimenov  
0070 0a 20 2a 20 4c 69 63 65 6e 73 65 64 20 75 6e 64 . * Lice nsed und  
0080 65 72 20 74 68 65 20 4d 49 54 20 4c 69 63 65 6e er the MIT Licen  
0090 73 65 20 61 6e 64 20 43 6f 6d 65 72 63 69 61 se and C ommercia  
00a0 6c 0a 20 2a 0a 20 2a 20 42 72 69 63 6b 73 2e 6c l. * * Bricks.]  
00b0 65 73 73 0a 20 2a 0a 20 2a 2f 0a 0a 20 20 2f 2a ess. * /*  
00c0 0a 2e 62 61 64 67 65 20 7b 0a 20 20 20 2e 62 ..badge {./.. .b  
00d0 72 69 63 6b 3b 0a 20 20 20 20 77 69 64 74 68 3a rick; width:  
00e0 20 40 73 75 62 75 6e 69 74 2a 37 3b 0a 20 20 20 @subuni t*7;.  
00f0 20 68 65 69 67 68 74 3a 20 40 73 75 62 75 6e 69 height: @subuni  
0100 74 2a 36 3b 0a 20 20 20 20 70 61 64 64 69 6e 67 t*6;. padding  
0110 2d 74 6f 70 3a 20 40 73 75 62 75 6e 69 74 3b 0a -top: @s ubunit;.  
0120 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20
```

Dari gambar diatas dapat disimpulkan bahwa IP 10.102.225.232 , Port : 54303

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No.	Time	Source	Destination	Protocol	Length	Info
5728	74.502397	46.173.214.180	10.102.225.232	TCP	54	519 -> 56871 [ACK] Seq=126 Ack=126 win=108 Len=0
5729	74.539486	10.102.225.232	200.207.93.176	TCP	54	54324 -> 1524 [ACK] Seq=12790 Ack=8929 win=16251 Len=0
5730	74.574367	52.223.195.71	10.102.225.232	TLSv1	459	Application Data
5731	74.574559	10.102.225.232	200.207.93.176	TCP	484	54324 -> 1524 [PSH, ACK] Seq=12790 Ack=8929 win=16251 Len=430
5732	74.588057	10.102.226.51	10.102.239.255	NBNS	92	Name query NB WPAD<>>
5733	74.774460	10.102.225.232	52.223.195.71	TCP	54	57922 -> 443 [ACK] Seq=1030 Ack=519 win=65180 Len=0
5734	74.785342	HonHaiPR_d1:ee:a3	Broadcast	ARP	60	who has 10.102.224.215? Te11 10.102.225.78
5735	74.787378	f800:95d8:6c4b:931:ff02::c		SSDP	208	M-SEARCH * HTTP/1.1
5736	74.787950	f800:b441:c903:c80:ff02::1:3		LLMNR	95	Standard query Oxa022 ANY LAPTOP-21950H7P
5737	74.788473	10.102.225.238	224.0.0.252	LLMNR	75	Standard query Oxa022 ANY LAPTOP-21950H7P
5738	74.894021	0.0.0.0	255.255.255.255	DHCP	351	DHCP Discover - Transaction ID 0x88b30ae3
5739	74.959542	10.102.225.232	65.55.92.168	TCP	66	[TCP Retransmission] 57921 -> 25 [SYN] Seq=0 win=8192 Len=0 MSS=1460 WS=4 SACK_PERM=1
5740	74.979125	200.207.93.176	10.102.225.232	TCP	79	1524 -> 54324 [PSH, ACK] Seq=8929 Ack=12790 win=254 Len=25
5741	74.979294	10.102.225.232	52.223.195.71	TCP	54	57922 -> 443 [FIN, ACK] Seq=1030 Ack=519 win=65180 Len=0
5742	74.990258	10.102.224.34	239.255.255.250	SSDP	175	M-SEARCH * HTTP/1.1
5743	75.094090	LiteonTe_72:35:49	Broadcast	ARP	60	who has 10.102.224.1? Te11 10.102.225.238

Frame 1: 491 bytes on wire (3928 bits), 491 bytes captured (3928 bits) on interface 0
Ethernet II, Src: AskeyCom_60:4a:fa (4c:ed:de:60:4a:fa), Dst: Guandong_96:71:32 (cc:2d:83:96:71:32)
Internet Protocol Version 4, Src: 10.102.225.232, Dst: 10.102.224.143
User Datagram Protocol, Src Port: 1900, Dst Port: 44980

```
0000 cc 2d 83 96 71 32 4c ed de 60 4a fa 08 00 45 00 -. .q2L. .'. .E.  
0010 01 dd 02 59 00 00 80 11 5f 73 0a 66 e1 e8 0a 66 ...Y... .s.f...f  
0020 e0 8f 07 6c af b4 01 c9 9a 73 48 54 54 50 2f 31 ...1... .sHTP/1  
0030 2e 31 20 32 30 30 20 4f 4b 0d 0a 53 54 3a 75 72 .1 200 O K..ST:ur  
0040 6e 3a 73 63 68 65 6d 61 73 2d 75 70 6e 70 2d 6f n:schema s-upnp-o  
0050 72 67 3a 64 65 76 69 63 65 3a 4d 65 64 69 61 53 rg:devic e;Medias  
0060 65 72 76 65 72 3a 31 0d 0a 55 53 4e 3a 75 75 69 erver:1. .USN:uui  
0070 64 3a 64 64 66 32 30 37 63 61 2d 63 34 38 32 2d d:ddf207 ca-c482-  
0080 34 37 35 39 2d 62 61 65 36 2d 36 66 61 64 35 32 4759-bae 6-6fad52  
0090 32 31 33 65 38 31 3a 3a 75 72 6e 3a 73 63 68 65 213e81: urn:sche  
00a0 6d 61 73 2d 75 70 6e 70 2d 6f 72 67 3a 64 65 76 mas-upnp -org:dev  
00b0 69 63 65 3a 4d 65 64 69 61 53 65 72 76 65 72 3a ice:Medi aserver:  
00c0 31 0d 0a 4c 6f 63 61 74 69 6f 6e 3a 68 74 74 70 1. .Locat ion:http  
00d0 3a 2f 2f 31 30 2e 31 30 32 2e 32 32 35 2e 32 33 :/;/10.10 2.225.23  
00e0 32 3a 32 38 36 39 2f 75 70 6e 70 68 6f 73 74 2f 2:2869/u pnphost/  
00f0 75 64 68 69 73 61 70 69 2e 64 6c 6c 3f 63 6f 6e udhisapl .d11?con  
0100 74 65 6e 74 3d 75 75 69 64 3a 64 64 66 32 30 37 tent=uii d:ddf207  
0110 63 61 2d 63 34 38 32 2d 34 37 35 39 2d 62 61 65 ca-c482- 4759-bae  
0120 2e 2e
```

Dari gambar diatas dapat disimpulkan bahwa IP 10.102.224.143 Port : 44980

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309	6.561818	10.102.225.232	200.207.93.176	TCP	129	54324 - 1524 [PSH, ACK] Seq=2287 Ack=996 win=16514 Len=75
310	6.585395	10.102.225.111	239.255.255.250	SSDP	216	M-SEARCH * HTTP/1.1
311	6.586091	10.102.226.185	10.102.239.255	NBNS	92	Name query NB WPAD<00>
312	6.605071	10.102.225.232	74.125.24.97	TLSv1.2	100	Application Data
313	6.605144	10.102.225.232	216.58.196.102	TLSv1.2	100	Application Data
314	6.637755	74.125.24.97	10.102.225.232	TCP	54	443 - 58311 [ACK] Seq=1 Ack=47 win=360 Len=0
315	6.640688	74.125.24.97	10.102.225.232	TLSv1.2	100	Application Data
316	6.672592	216.58.196.102	10.102.225.232	TCP	54	443 - 58317 [ACK] Seq=1 Ack=47 win=360 Len=0
317	6.673128	10.102.225.232	66.196.113.240	TCP	62	[TCP Retransmission] 58438 - 25 [SYN] Seq=0 win=8192 Len=0 MSS=1460 SACK_PERM=1
318	6.673187	216.58.196.102	10.102.225.232	TLSv1.2	100	Application Data
319	6.686862	Azurwaw_d4:7e:27	Broadcast	ARP	60	who has 10.102.224.1? Tell 10.102.226.185
320	6.691464	10.102.225.34	10.102.239.255	NBNS	92	Name query NB WPAD<00>
321	6.693209	10.102.224.124	239.255.255.250	SSDP	167	M-SEARCH * HTTP/1.1
322	6.694725	93.74.215.163	10.102.225.232	TCP	66	7038 - 54321 [ACK] Seq=26 Ack=26 win=255 Len=0 SLE=1 SRE=26
323	6.763193	10.102.225.232	51.15.51.148	TCP	1514	[TCP Retransmission] 56976 - 419 [PSH, ACK] Seq=25195 Ack=1 win=16425 Len=1460
324	6.789302	10.102.225.94	239.255.255.250	SSDP	179	M-SEARCH * HTTP/1.1

Frame 1: 55 bytes on wire (440 bits), 55 bytes captured (440 bits) on interface 0
 Ethernet II, Src: Askeycom_60:4a:fa (4c:ed:de:60:4a:fa), Dst: dell_44:8a:74 (00:1e:c9:44:8a:74)
 Internet Protocol Version 4, Src: 10.102.225.232, Dst: 202.61.113.208
 Transmission Control Protocol, Src Port: 58163, Dst Port: 443, Seq: 1, Ack: 1, Len: 1

```

0000 00 1e c9 44 8a 74 4c ed de 60 4a fa 08 00 45 00 ...D.TL. .J...E.
0010 00 29 3e 31 40 00 80 06 94 41 0a 66 e1 e8 ca 3d .>I@... .A.f...=
0020 71 d0 e3 33 01 bb e0 76 02 da 7f 54 39 9c 50 10 q.3...V ...T9.P.
0030 41 04 c5 42 00 00 00 A..B...
  
```

Dari gambar diatas dapat disimpulkan bahwa IP 202.61.113.208 Port : 443

Twitter.com

No.	Time	Source	Destination	Protocol	Length	Info
6210	35.633684	10.102.225.2	224.0.0.252	LLMNR	64	Standard query 0xd797 A wpad
6211	35.660192	51.15.51.148	10.102.225.232	TCP	79	[TCP segment of a reassembled PDU]
6212	35.660318	10.102.225.232	51.15.51.148	TCP	79	[TCP segment of a reassembled PDU]
6213	35.771049	10.102.225.232	103.49.221.102	TCP	54	58282 - 443 [ACK] Seq=47 Ack=47 win=16525 Len=0
6214	35.774411	52.223.195.71	10.102.225.232	TLSv1	98	[TCP Previous segment not captured], Ignored Unknown Record
6215	35.774456	10.102.225.232	52.223.195.71	TCP	66	[TCP Dup ACK 6205#1] 58601 - 443 [ACK] Seq=150 Ack=1461 win=65700 Len=0 SLE=2921 SRE=2965
6216	35.774847	52.223.195.71	10.102.225.232	TCP	1514	[TCP out-of-order] 443 - 58601 [ACK] Seq=1461 Ack=150 win=15872 Len=1460
6217	35.774935	10.102.225.232	52.223.195.71	TCP	54	58601 - 443 [ACK] Seq=150 Ack=2965 win=65700 Len=0
6218	35.775077	10.102.225.232	200.207.93.176	TCP	1494	54324 - 1524 [ACK] Seq=2431 Ack=6805 win=16560 Len=1440
6219	35.775083	10.102.225.232	200.207.93.176	TCP	1494	54324 - 1524 [ACK] Seq=3871 Ack=6805 win=16560 Len=1440
6220	35.775086	10.102.225.232	200.207.93.176	TCP	163	54324 - 1524 [PSH, ACK] Seq=5311 Ack=6805 win=16560 Len=109
6221	35.849015	10.102.225.127	239.255.255.250	SSDP	216	M-SEARCH * HTTP/1.1
6222	35.849326	Xiaomico_85:fe:80	Broadcast	ARP	60	who has 10.102.224.208? Tell 10.102.224.185
6223	35.849577	10.102.225.81	10.102.239.255	NBNS	92	Name query NB WPAD<00>
6224	35.854588	72.21.91.70	10.102.225.232	TCP	66	[TCP Keep-Alive ACK] 443 - 58562 [ACK] Seq=280102 Ack=3352 win=155648 Len=0 SLE=3351 SRE=3352
6225	36.032651	200.207.93.176	10.102.225.232	TCP	79	1524 - 54324 [PSH, ACK] Seq=6805 Ack=2431 win=256 Len=25

Frame 1: 167 bytes on wire (1336 bits), 167 bytes captured (1336 bits) on interface 0
 Ethernet II, Src: Asustekc_f2:f9:e8 (ac:9e:17:f2:f9:e8), Dst: IPV4mcast_7f:ff:fa (01:00:5e:7f:ff:fa)
 Internet Protocol Version 4, Src: 10.102.224.16, Dst: 239.255.255.250
 User Datagram Protocol, Src Port: 34416, Dst Port: 1900

```

0000 01 00 5e 7f ff fa ac 9e 17 f2 f9 e8 08 00 45 00 ..^.....E.
0010 00 99 00 00 40 00 01 11 9e e3 0a 66 e0 10 ef ff ...@... .f....
0020 ff fa 86 70 07 6c 00 85 69 0d 4d 2d 53 45 41 52 ...p.l. i.M-SEAR
0030 43 48 20 2a 20 48 54 54 50 2f 31 2e 31 0d 0a 48 CH * HTT P/1.1..H
0040 4f 53 54 3a 20 32 33 39 2e 32 35 2e 32 35 35 OST: 239 .255.255
0050 2e 32 35 30 3a 31 39 30 30 0d 0a 4d 41 4e 3a 20 .250:190 0..MAN:
0060 22 73 73 64 70 3a 64 69 73 63 6f 76 65 72 22 0d "ssdp:di scover".
0070 0a 4d 58 3a 20 31 0d 0a 53 54 3a 20 75 72 6e 3a .Mx: 1.. ST: urn:
0080 64 69 61 6c 2d 6d 75 6c 74 69 73 63 72 65 65 6e dial-multiscreen
0090 2d 6f 72 67 3a 73 65 72 76 69 63 65 3a 64 69 61 -org:service:dia
00a0 6c 3a 31 0d 0a 0d 0a l:1....
  
```

Dari gambar diatas dapat disimpulkan bahwa IP 239.255.255.250 Port :1900