



TECNOLÓGICO
NACIONAL DE MÉXICO



INSTITUTO TECNOLÓGICO DE CANCÚN

**INGENIERÍA EN
SISTEMAS COMPUTACIONALES**

FUNDAMENTOS DE TELECOMUNICACIONES

NOMBRE DEL ALUMNO:

CHAN BURGOS JOSE REYES

HORARIO

LUNES A JUEVES

5:00 PM – 6:00 PM

PROFESOR

ING. ISMAEL JIMENEZ SANCHEZ



TECNOLOGICO
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LABORATORIO 4.

Wireshark

File Edit View Go Capture Analyze Statistics Telephony Windows Tools Help

Display Filter: eth0 (137)

No.	Source	Destination	Protocol	Length	Info
1	24.6.173.220	75.75.75.75	DNS	74	Standard query 0x1722 A www.disney.com
2	24.6.173.220	75.75.75.75	DNS	74	Standard query 0x1722 A www.disney.com
3	24.6.173.220	75.75.75.75	DNS	74	Standard query 0x1722 A www.disney.com
4	24.6.173.220	75.75.75.75	DNS	74	Standard query 0x1722 A www.disney.com
5	24.6.173.220	75.75.75.75	DNS	74	Standard query 0x1722 A www.disney.com
6	24.6.173.220	75.75.75.75	DNS	74	Standard query 0x1722 A www.disney.com
7	24.6.173.220	75.75.75.75	DNS	74	Standard query 0x1722 A www.disney.com
8	24.6.173.220	75.75.75.75	DNS	74	Standard query 0x1722 A www.disney.com
9	75.75.75.75	24.6.173.220	DNS	184	Standard query response 0x1722 A www.disney.com CNAME disney.com A 199.181.132.249
10	24.6.173.220	75.75.75.75	DNS	74	Standard query 0x1971 AAAA www.disney.com
11	75.75.75.75	24.6.173.220	DNS	134	Standard query response 0x1971 AAAA www.disney.com CNAME disney.com SOA hney.disney.com
12	24.6.173.220	199.181.132.249	TCP	60	35518 → 80 [WIN] Seq=0 Win=0 Len=0 MSS=1460 WS=0 SACK_PERM=1
13	199.181.132.249	24.6.173.220	TCP	60	80 → 35518 [RST, ACK] Seq=0 Ack=1 Win=0 Len=0 MSS=1460 WS=1 SACK_PERM=1
14	24.6.173.220	199.181.132.249	HTTP	543	GET / HTTP/1.1
15	199.181.132.249	24.6.173.220	HTTP	514	HTTP/1.1 303 Found Permanently [text/html]
17	24.6.173.220	75.75.75.75	DNS	70	Standard query 0x6827 A disney.com
18	75.75.75.75	24.6.173.220	DNS	80	Standard query response 0x6827 A disney.com A 199.181.132.249
19	24.6.173.220	75.75.75.75	DNS	70	Standard query 0x6c74 AAAA disney.com
20	75.75.75.75	24.6.173.220	DNS	116	Standard query response 0x6c74 AAAA disney.com SOA hney.disney.com
21	24.6.173.220	199.181.132.249	TCP	60	35518 → 80 [RST] Seq=0 Win=0 Len=0 MSS=1460 WS=0 SACK_PERM=1
22	24.6.173.220	199.181.132.249	TCP	54	35518 → 80 [ACK] Seq=289 Ack=461 Win=0 Len=0
23	24.6.173.220	75.75.75.75	DNS	70	Standard query 0x3c4c A disney.com
24	24.6.173.220	75.75.75.75	DNS	70	Standard query 0x3c4c A disney.com
25	24.6.173.220	75.75.75.75	DNS	70	Standard query 0x3c4c A disney.com
26	24.6.173.220	75.75.75.75	DNS	70	Standard query 0x3c4c A disney.com
27	24.6.173.220	75.75.75.75	DNS	70	Standard query 0x3c4c A disney.com
28	75.75.75.75	24.6.173.220	DNS	80	Standard query response 0x3c4c A disney.com A 199.181.132.249

[Time delta from previous displayed frame: 0.000000000 seconds]
[Time since reference or first frame: 0.000000000 seconds]
Frame Number: 1
Frame Length: 74 bytes (592 bits)
Capture Length: 74 bytes (592 bits)
[Frame is marked: false]
[Frame is ignored: false]
[Protocols in frame: ethertypeipipudpdns]
[Coloring Rule Names: 00]
[Coloring Rule Strings: udp]
Ethernet II, Src: RealtekU_07:bf:a3 (08:00:04:07:bf:a3), Dst: Cadent_21:10:0:c1 (00:01:5c:21:10:0:c1)
Internet Protocol Version 4, Src: 24.6.173.220, Dst: 75.75.75.75
User Datagram Protocol, Src Port: 63551, Dst Port: 80
Domain Name System (DNS)
0000 00 0c 31 10 0c c1 04 05 04 a7 bf a3 00 00 45 00 11E
0001 00 0c 00 70 00 00 00 11 00 00 10 00 0c 0c 0c 0c 11KK

Wireshark

File Edit View Go Capture Analyze Statistics Telephony Windows Tools Help

Display Filter: eth0 (137)

No.	Source	Destination	Protocol	Length	Info
6117	198.78.220.87	24.6.173.220	TCP	60	80 → 35525 [ACK] Seq=4212 Ack=305 Win=0 Len=0
6118	198.78.220.87	24.6.173.220	TCP	60	80 → 35521 [FIN, ACK] Seq=9004 Ack=487 Win=0 Len=0
6119	24.6.173.220	198.78.220.87	TCP	54	35521 → 80 [ACK] Seq=407 Ack=9005 Win=0 Len=0
6120	24.6.173.220	198.78.220.87	TCP	54	35522 → 80 [FIN, ACK] Seq=407 Ack=9005 Win=0 Len=0
6121	198.78.220.87	24.6.173.220	TCP	60	80 → 35521 [ACK] Seq=8905 Ack=4000 Win=0 Len=0
6122	198.78.220.87	24.6.173.220	TCP	60	80 → 35522 [FIN, ACK] Seq=4046 Ack=383 Win=0 Len=0
6123	24.6.173.220	198.78.220.87	TCP	54	35522 → 80 [ACK] Seq=283 Ack=4005 Win=0 Len=0
6124	24.6.173.220	198.78.220.87	TCP	54	35522 → 80 [FIN, ACK] Seq=283 Ack=4005 Win=0 Len=0
6125	198.78.220.87	24.6.173.220	TCP	60	80 → 35522 [ACK] Seq=4005 Ack=204 Win=0 Len=0
6126	198.78.220.87	24.6.173.220	TCP	60	80 → 35527 [FIN, ACK] Seq=4044 Ack=1303 Win=0 Len=0
6127	24.6.173.220	198.78.220.87	TCP	54	35527 → 80 [ACK] Seq=1283 Ack=4045 Win=0 Len=0
6128	24.6.173.220	198.78.220.87	TCP	54	35527 → 80 [FIN, ACK] Seq=1283 Ack=4545 Win=0 Len=0
6129	198.78.220.87	24.6.173.220	TCP	60	80 → 35514 [FIN, ACK] Seq=13220 Ack=1237 Win=0 Len=0
6130	24.6.173.220	198.78.220.87	TCP	54	35514 → 80 [ACK] Seq=1257 Ack=13221 Win=0 Len=0
6131	24.6.173.220	198.78.220.87	TCP	54	35524 → 80 [FIN, ACK] Seq=1257 Ack=13221 Win=0 Len=0
6132	198.78.220.87	24.6.173.220	TCP	60	80 → 35527 [ACK] Seq=4045 Ack=1284 Win=0 Len=0
6133	198.78.220.87	24.6.173.220	TCP	60	80 → 35526 [FIN, ACK] Seq=10183 Ack=935 Win=0 Len=0
6134	24.6.173.220	198.78.220.87	TCP	54	35526 → 80 [ACK] Seq=935 Ack=10184 Win=0 Len=0
6135	24.6.173.220	198.78.220.87	TCP	54	35526 → 80 [FIN, ACK] Seq=935 Ack=10184 Win=0 Len=0
6136	198.78.220.87	24.6.173.220	TCP	60	80 → 35524 [ACK] Seq=13221 Ack=1250 Win=0 Len=0
6137	198.78.220.87	24.6.173.220	TCP	60	80 → 35526 [ACK] Seq=13221 Ack=935 Win=0 Len=0
6138	68.215.135.50	24.6.173.220	TCP	60	80 → 35524 [RST, ACK] Seq=1262 Ack=1250 Win=0 Len=0
6139	24.6.173.220	24.6.173.220	TCP	60	80 → 35552 [FIN, ACK] Seq=12508 Ack=427 Win=0 Len=0
6140	24.6.173.220	198.78.220.87	TCP	54	35552 → 80 [ACK] Seq=427 Ack=12505 Win=0 Len=0
6141	24.6.173.220	198.78.220.87	TCP	54	35552 → 80 [FIN, ACK] Seq=427 Ack=12505 Win=0 Len=0
6142	198.78.220.87	24.6.173.220	TCP	60	80 → 35552 [ACK] Seq=12505 Ack=427 Win=0 Len=0
6143	74.121.140.81	24.6.173.220	TCP	60	80 → 35552 [RST, ACK] Seq=1424 Ack=253 Win=0 Len=0

[Time delta from previous displayed frame: 0.719759000 seconds]
[Time since reference or first frame: 22.675833000 seconds]
Frame Number: 6142
Frame Length: 60 bytes (480 bits)
Capture Length: 60 bytes (480 bits)
[Frame is marked: false]
[Frame is ignored: false]
[Protocols in frame: ethertypeipiptcp]
[Coloring Rule Names: TCP:RST]
[Coloring Rule Strings: tcp.flags.reset eq 1]
Ethernet II, Src: Cadent_21:10:0:c1 (00:01:5c:21:10:0:c1), Dst: RealtekU_07:bf:a3 (08:00:04:07:bf:a3)
Internet Protocol Version 4, Src: 74.121.140.81, Dst: 24.6.173.220
Transmission Control Protocol, Src Port: 35539, Dst Port: 35524, Seq: 282, Len: 0
Sequence Number: 0
0000 04 85 04 a7 bf a3 00 0c 31 10 c1 00 00 45 20E
0001 00 20 00 05 40 02 f1 06 04 2a 4a 05 10 53 10 06 12S