

# CNET LAB4

ABDUL SAMI QASIM

221-1725

TASK1:

1. A
2. a1961.g2.akamai.net
3. UDP
4. 172.16.100.210
5. YES
6. YES
7. NO
8. 127

The image shows a Wireshark packet capture of DNS traffic. The packet list pane displays a series of DNS queries and responses. The packet details pane shows the structure of a DNS Standard query response, including flags, questions, and answer RRs. The packet bytes pane shows the raw data in hexadecimal and ASCII.

Packet 1725 (172.16.100.210) is highlighted. The details pane shows the following information:

- Flags: 0x8180 Standard query response, No error
- Questions: 1
- Answer RRs: 4
- Authority RRs: 0
- Additional RRs: 0

The packet bytes pane shows the raw data in hexadecimal and ASCII.

Wi-Fi

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dns.flags.rcode==3

No.	Time	Source	Destination	Protocol	Length	Info
26171	438.9665	172.16.100.210	172.17.68.219	DNS	145	Standard query response 0x7ad2 No such name A wpad.nuissb.edu.pk SOA dc-srv01.nuissb.edu.pk
58051	1039.186331	172.16.100.210	172.17.68.219	DNS	145	Standard query response 0x7c2c No such name A wpad.nuissb.edu.pk SOA dc-srv01.nuissb.edu.pk
66526	1143.534123	172.16.100.210	172.17.68.219	DNS	145	Standard query response 0xdf66 No such name TXT bideo-schnellvpn.xyz SOA ns8.centralnic.net
69350	1183.464944	172.16.100.210	172.17.68.219	DNS	145	Standard query response 0xb8a2 No such name TXT bideo-schnellvpn.xyz SOA ns8.centralnic.net
71096	1204.403516	172.16.100.210	172.17.68.219	DNS	145	Standard query response 0x5731 No such name A wpad.nuissb.edu.pk SOA dc-srv01.nuissb.edu.pk
71998	1216.575564	172.16.100.210	172.17.68.219	DNS	145	Standard query response 0xe836 No such name TXT bideo-schnellvpn.xyz SOA ns8.centralnic.net
78628	1248.213983	172.16.100.210	172.17.68.219	DNS	145	Standard query response 0x8dc7 No such name TXT bideo-schnellvpn.xyz SOA ns8.centralnic.net
82315	1280.989798	172.16.100.210	172.17.68.219	DNS	145	Standard query response 0xef36 No such name TXT bideo-schnellvpn.xyz SOA ns8.centralnic.net
84294	1316.478761	172.16.100.210	172.17.68.219	DNS	145	Standard query response 0x9cc7 No such name TXT bideo-schnellvpn.xyz SOA ns8.centralnic.net

Frame 26171: 145 bytes on wire (1160 bits), 145 bytes captured (1160 bits) on interface \Device\NPF-{45CA5D18-1E99-42B2-870B-85E11DCE29A8}, id 0

Ethernet II, Src: Hewlett-Packard\_00:40:00:08:97:34 (08:97:34:00:08:97:34), Dst: CloudNetwork\_79:8a:b1 (10:6f:d9:79:8a:b1)

Internet Protocol Version 4, Src: 172.16.100.210, Dst: 172.17.68.219

0100 .... = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

Total Length: 131

Identification: 0x9665 (38501)

0000 .... = Flags: 0x0

...0 0000 0000 0000 = Fragment Offset: 0

Time to Live: 127

Protocol: UDP (17)

Header Checksum: 0xa335 [validation disabled]

[Header checksum status: Unverified]

Source Address: 172.16.100.210

Destination Address: 172.17.68.219

Source Address (ipsrc) 4 bytes

Packets: 85934 · Displayed: 9 (0.0%) · Dropped: 0 (0.0%) Profile: Default