|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Packet | Network Interface header (link/L2/MAC header) | Internet header | Transport header | Application header |
| DNS response packet | Ethernet II | Internet Protocol Version 4 | User Datagram Protocol | Domain Name System (response) |
| HTTP Get request packet | Ethernet II | Internet Protocol Version 4 | Transmission Control Protocol | Hypertext Transfer Protocol |

2.2:

2.2.1: Using frame 11

The source IP address is: 10.20.1.6 with port number 53. This is the IP of the DNS server and port 53 is used by the DNS for domain name resolution.

2.2.2: Using frame 11

The source MAC address is 00:24:98:e9:fc:42. This is the MAC address of the DNS server because it is the source of this packet.

2.2.3: Using frame 11

The last four bytes of this packet contain the IP address of [www.3gpp.org](http://www.3gpp.org).

2.3:

2.3.1: Using frame 16

The operating system is found in the User-Agent header field. The first value listed is Mozilla/5.0. This represents the application type of the requesting user agent.

2.3.2: Using frame 16

There are 381 bytes in the HTTP part of this packet. It is the end of the packet from byte 54 and goes until the last byte which is 434.

2.3.3: Using Frame 16

The exact string of hex values that identify the requested version, in this particular case, are 31 2e 31. This identifies the version requested as HTTP 1.1. These hex values correspond to the ASCII codes for 1, ., and 1 respectively. A simple conversion to their corresponding decimal and then ASCII values will reveal that the requested version was HTTP 1.1.