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CS372 Networking

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Project 6: Sniff ARP packets with WireShark

1. MAC address of your currently active connection: 3c:22:fb:81:79:df
2. IP address of your currently active connection: 192.168.4.31 (IPv4) fdbd:ae9a:771d:1:46a:21a:fb2f:912f (IPv6)
3. A human-readable WireShark packet capture of an ARP request.

Frame 6748: 42 bytes on wire (336 bits), 42 bytes captured (336 bits) on interface en0, id 0

Ethernet II, Src: Apple\_81:79:df (3c:22:fb:81:79:df), Dst: Broadcast (ff:ff:ff:ff:ff:ff)

Address Resolution Protocol (request)

Hardware type: Ethernet (1)

Protocol type: IPv4 (0x0800)

Hardware size: 6

Protocol size: 4

Opcode: request (1)

Sender MAC address: Apple\_81:79:df (3c:22:fb:81:79:df)

Sender IP address: 192.168.4.31

Target MAC address: 00:00:00\_00:00:00 (00:00:00:00:00:00)

Target IP address: 192.168.4.32

1. A human-readable WireShark packet capture of an ARP reply.

Frame 6749: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface en0, id 0

Ethernet II, Src: ASUSTekC\_05:08:4f (24:4b:fe:05:08:4f), Dst: Apple\_81:79:df (3c:22:fb:81:79:df)

Address Resolution Protocol (reply)

Hardware type: Ethernet (1)

Protocol type: IPv4 (0x0800)

Hardware size: 6

Protocol size: 4

Opcode: reply (2)

Sender MAC address: ASUSTekC\_05:08:4f (24:4b:fe:05:08:4f)

Sender IP address: 192.168.4.32

Target MAC address: Apple\_81:79:df (3c:22:fb:81:79:df)

Target IP address: 192.168.4.31