

# Lab Report

## 1. Winshark traffic screenshot

The screenshot shows a Wireshark capture of network traffic. The main packet list displays 12 packets, including ARP requests and replies, and ICMP Echo (ping) requests and replies. The packet details pane shows the structure of the first packet (Frame 1), which is an ARP request. The packet bytes pane shows the raw data in hexadecimal and ASCII.

No.	Time	Source	Destination	Protocol	Length	Info
1	0.00000000	96:a8:5c:06:35:02	Broadcast	ARP	42	who has 172.30.0.10? Tell 172.30.0.2
2	0.00381800	52:de:4b:35:dd:b8	96:a8:5c:06:35:02	ARP	60	172.30.0.10 is at 52:de:4b:35:dd:b8
3	0.00387100	172.30.0.2	172.30.0.10	ICMP	74	Echo (ping) request id=0x0001, seq=3/768, ttl=128 (reply in 6)
4	0.00821800	52:de:4b:35:dd:b8	Broadcast	ARP	60	who has 172.30.0.2? Tell 172.30.0.10
5	0.00825000	96:a8:5c:06:35:02	52:de:4b:35:dd:b8	ARP	42	172.30.0.2 is at 96:a8:5c:06:35:02
6	0.01262500	172.30.0.10	172.30.0.2	ICMP	74	Echo (ping) reply id=0x0001, seq=3/768, ttl=128 (request in 3)
7	1.01472900	172.30.0.2	172.30.0.10	ICMP	74	Echo (ping) request id=0x0001, seq=4/1024, ttl=128 (reply in 8)
8	1.01570800	172.30.0.10	172.30.0.2	ICMP	74	Echo (ping) reply id=0x0001, seq=4/1024, ttl=128 (request in 7)
9	2.03040600	172.30.0.2	172.30.0.10	ICMP	74	Echo (ping) request id=0x0001, seq=5/1280, ttl=128
10	2.03131900	172.30.0.10	172.30.0.2	ICMP	74	Echo (ping) reply id=0x0001, seq=5/1280, ttl=128 (request in 9)
11	3.04598900	172.30.0.2	172.30.0.10	ICMP	74	Echo (ping) request id=0x0001, seq=6/1536, ttl=128 (reply in 12)
12	3.04709100	172.30.0.10	172.30.0.2	ICMP	74	Echo (ping) reply id=0x0001, seq=6/1536, ttl=128 (request in 11)

Frame 1: 42 bytes on wire (336 bits), 42 bytes captured (336 bits) on interface 0  
 Ethernet II, Src: 96:a8:5c:06:35:02 (96:a8:5c:06:35:02), Dst: Broadcast (ff:ff:ff:ff:ff:ff)  
 Address Resolution Protocol (request)

```

0000  ff ff ff ff ff ff 96 a8 5c 06 35 02 08 06 00 01  ..... \.5....
0010  08 00 06 04 00 01 96 a8 5c 06 35 02 ac 1e 00 02  ..... \.5....
0020  00 00 00 00 00 00 ac 1e 00 0a                ..... ..
  
```

Student: <live capture in progress> File: C:\U... Packets: 12 · Displayed: 12 (100.0%) Profile: Default

7:32 AM  
9/15/2015