

## **Advanced Networks Lab: Assignment #2**

**A Ganga Mythily**

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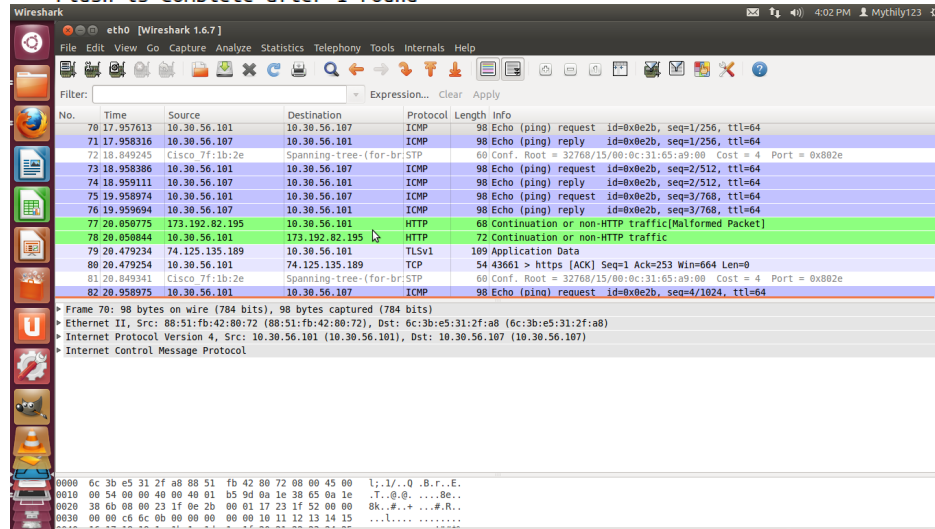
## Problem 1

Ping another IP address

Steps: 1)List arp cache using `arp -n` 2)Clear cache using `sudo ip -s -s neigh flushall` 3)Open wireshark using `sudo wireshark`. 4)Start to capture packets 5)Ping any id address(say 101.30.56.107) 6)Analyse it.

```
mythily123@mythily123-HP-Compaq-Pro-6300-MT:~$ arp -n
Address          HWtype  HWaddress      Flags Mask    Iface
10.30.56.112      ether    a0:b3:cc:f8:ca:b0  C             eth0
10.30.56.1        ether    00:1f:9d:f2:bc:c9  C             eth0
mythily123@mythily123-HP-Compaq-Pro-6300-MT:~$ sudo ip -s -s neigh flushall
[sudo] password for mythily123:
Command "flushall" is unknown, try "ip neigh help".
mythily123@mythily123-HP-Compaq-Pro-6300-MT:~$ sudo ip -s -s neigh flush all
10.30.56.112 dev eth0 lladdr a0:b3:cc:f8:ca:b0 ref 1 used 192/192/157 probes 1 S
TALE
10.30.56.1 dev eth0 lladdr 00:1f:9d:f2:bc:c9 ref 93 used 2821/2/2816 probes 1 RE
ACHABLE
```

```
*** Round 1, deleting 2 entries ***
*** Flush is complete after 1 round ***
```



## Problem 2

Ping google.com

Steps: 1)Clear google cache. 2)Open wireshark using sudo wireshark. 3)Start to capture packets. 4)Ping google.com

