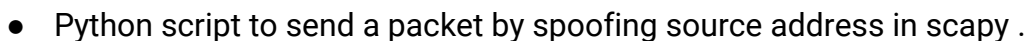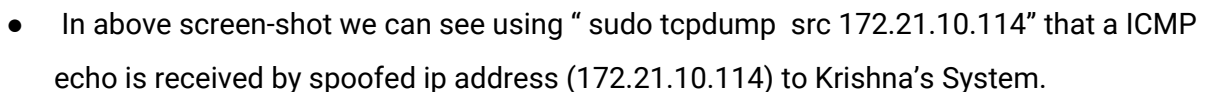# IP SPOOFING
Submitted By : Mahesh Nagarwal 2015KUCP1043

❏ I am using scapy tool to send packets after spoofing source ip address

❏ Here original destination is my linux machine having ip 172.21.10.209

❏ Destination Ip is Krishna's Mac os having Ip(172.21.6.242)

❏ I am giving a fake ip (172.21.10.114) as source instead of my own ip and sending packet to krishna

❏ On krishna's mac book we can capture this spoofed packet by using tcpdump as shown in very first figure.

● In above screen-shot we can see using " sudo tcpdump src 172.21.10.114" that a ICMP echo is received by spoofed ip address (172.21.10.114) to Krishna's System.


```
IP_poof.py (~/Desktop)
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IP_poof.py  ×
from scapy.all import *
packet = IP(src="172.21.10.114",dst="172.21.6.242")/ICMP()/"Helloooo!"
send(packet)
packet.show()
```

● Python script to send a packet by spoofing source address in scapy .

```
    id        = 0x0
    seq       = 0x0
###[ Raw ]###
      load      = 'Helloooo!'
mayank@mayank-Vostro-5568 ~/Desktop $ sudo python IP_poof.py
WARNING: No route found for IPv6 destination :: (no default route?)
.
Sent 1 packets.
###[ IP ]###
  version   = 4
  ihl       = None
  tos       = 0x0
  len       = None
  id        = 1
  flags     =
  frag      = 0
  ttl       = 64
  proto     = icmp
  chksum    = None
  src       = 172.21.10.114
  dst       = 172.21.6.242
  \options   \
###[ ICMP ]###
    type      = echo-request
    code      = 0
    chksum    = None
    id        = 0x0
    seq       = 0x0
###[ Raw ]###
      load      = 'Helloooo!'
mayank@mayank-Vostro-5568 ~/Desktop $ █
```

In above screen shot execution of scapy python script is shown.