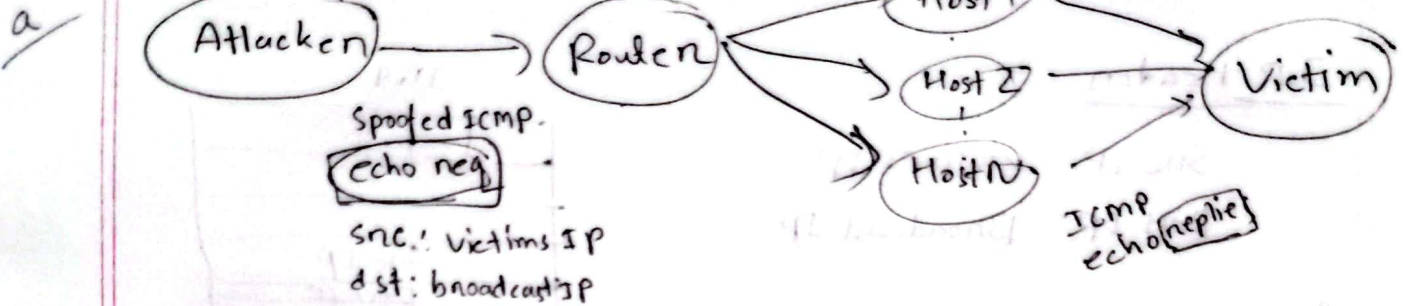
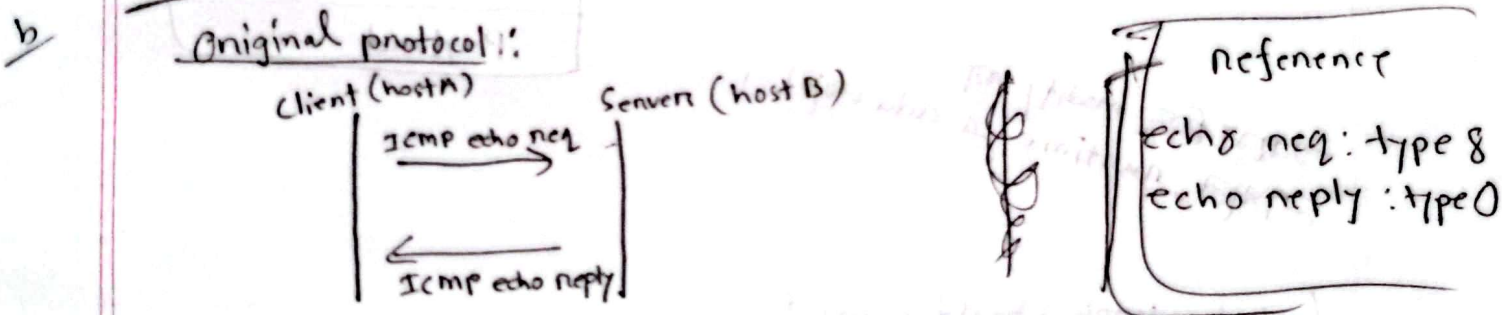


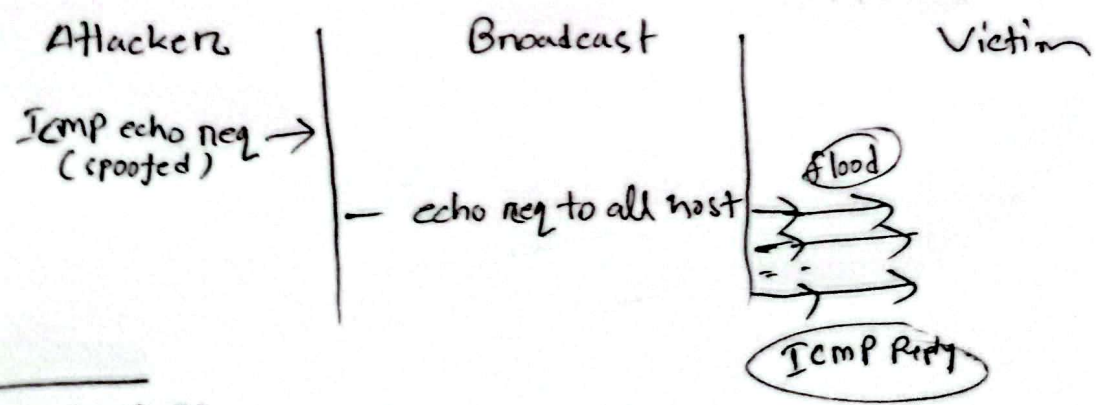
# topology diagram



# timing diagram



# ICMP Smurf Attack



# Strategies:

spoofing, Amplification by exploiting broadcast addressing

C Modification:

IP Header

Src IP: victim's IP

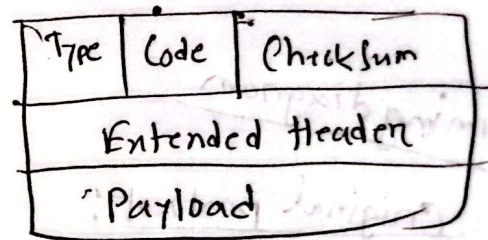
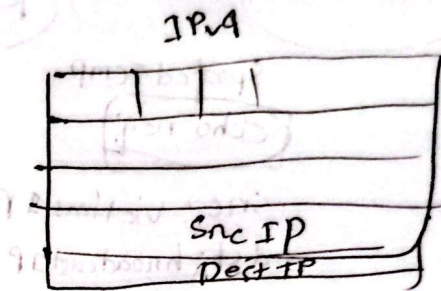
Dest IP: Broadcast IP

ICMP Header

Type: 8 (echo req)

Code: 0

checksum: not calculated



→ modify first 3 bytes  
→ runtime, add rest

d Why ~~work~~ should work!

1. Amplification:

— single packet to broadcast addr reaches all hosts on subnet.