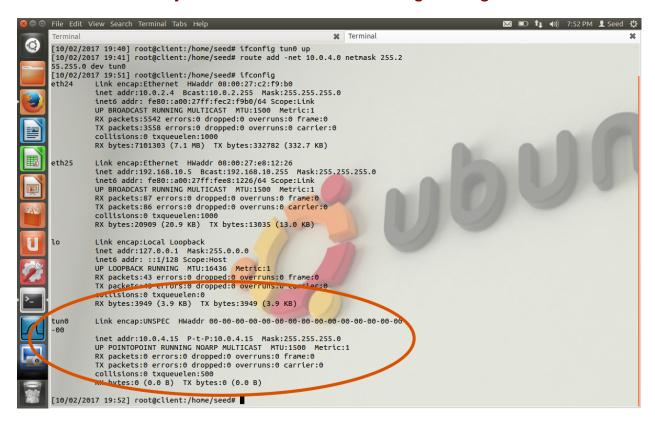
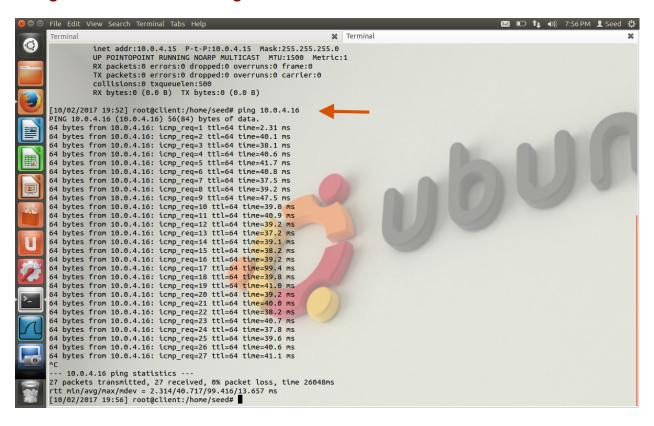
Ravee Khandagale Lab 04 CS 266

Tunnel Setup

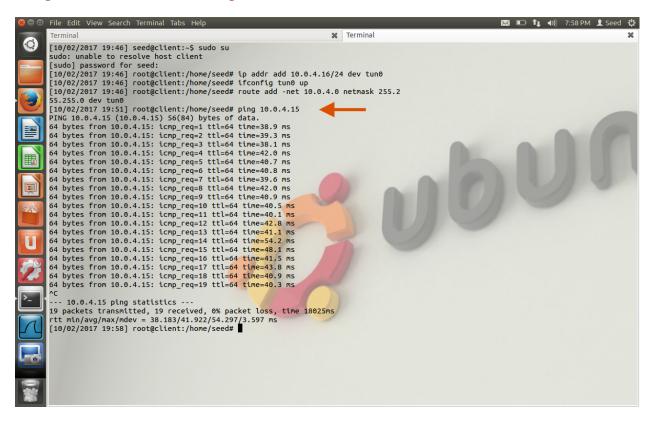
On VM1 show me you have tun0 interface using ifconfig.



Ping VM1 from VM2 using tunnel. Take a screenshot.



Ping VM2 from VM1 using tunnel. Take a screenshot.

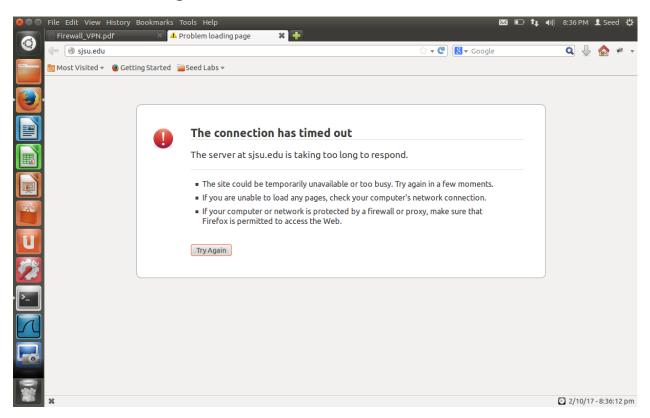


Firewall setup

Tell me what happens. What is the site you are trying to block?

Answer: We are setting up a firewall on VM1 to block the access of a target website.

- I am trying to block the sjsu.edu website (130.65.255.0/24).
- When I run the command, sudo iptables -t mangle -A POSTROUTING -d 130.65.255.0/24 -o eth24 -j DROP All the packets to sjsu.edu on eth24 (which is the interface for natnetwork) are dropped.
- As a result, the sisu.edu website is not accessible.
- We are using iptables command to achieve this due to which the packets at eth24 are getting dropped.
- We are setting up the firewall to block packets.
- We are setting the rule on VM1's network interface (non virtual). This way we make sure that packets going to the virtual interfaces are still received.
- The following screenshot shows the blocked site



Bypassing Firewall

Open a browser and visit http://www.sjsu.edu/ or site of your choice Take a screenshot of wireshark trace to show the traffic is going through the tunnel (tun0). Make your screenshot shows you are capturing data on tun0.

