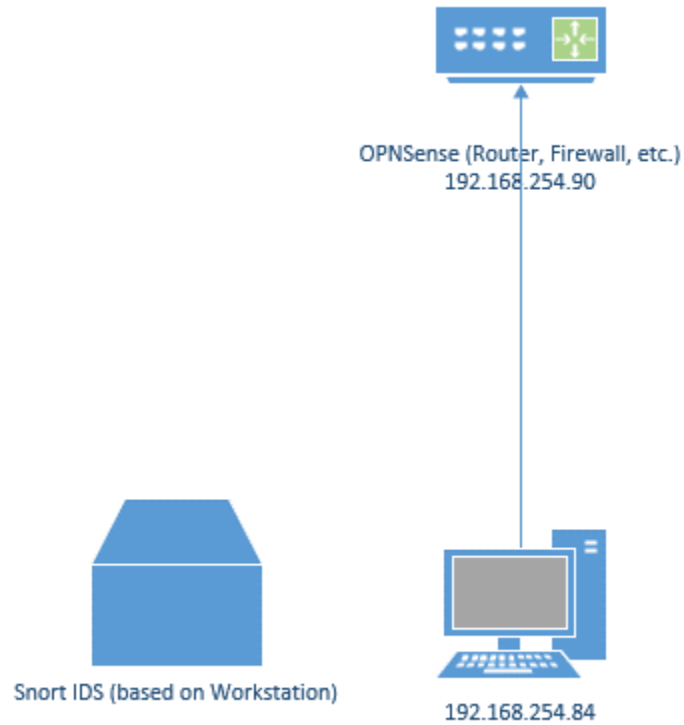
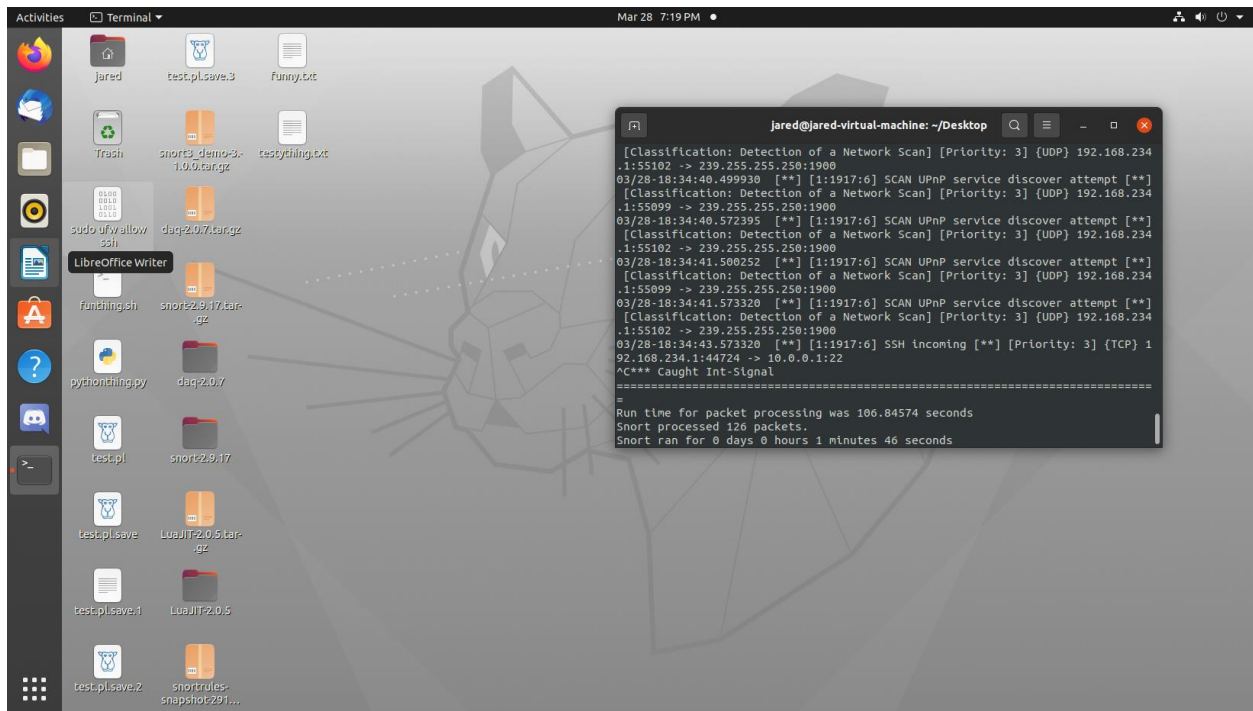


Here's a diagram for my virtual network. Just like we've gone over in class, OPNSense is on 192.168.254.90 and allocates the IP address of 192.168.254.84 to the client workstation through a LAN, where Snort IDS also runs. The workstation uses Ubuntu and OPNSense acts as a router and firewall.



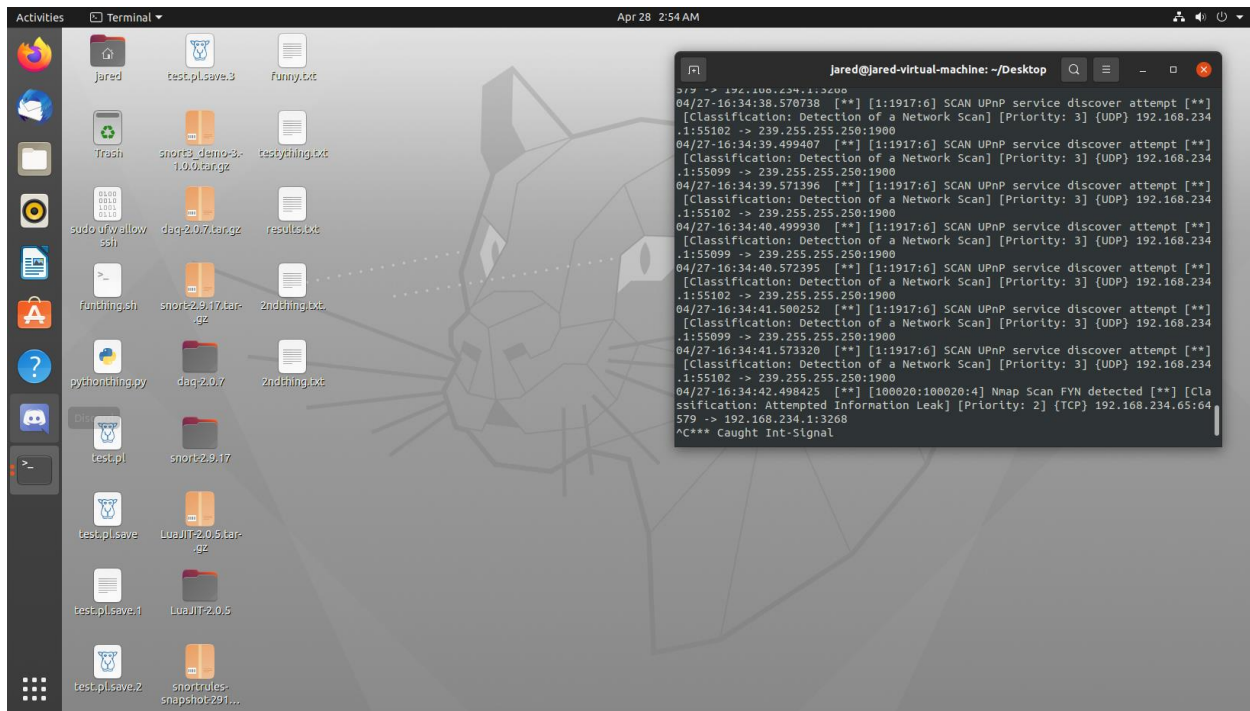
Proof of SSH (taken from last assignment):



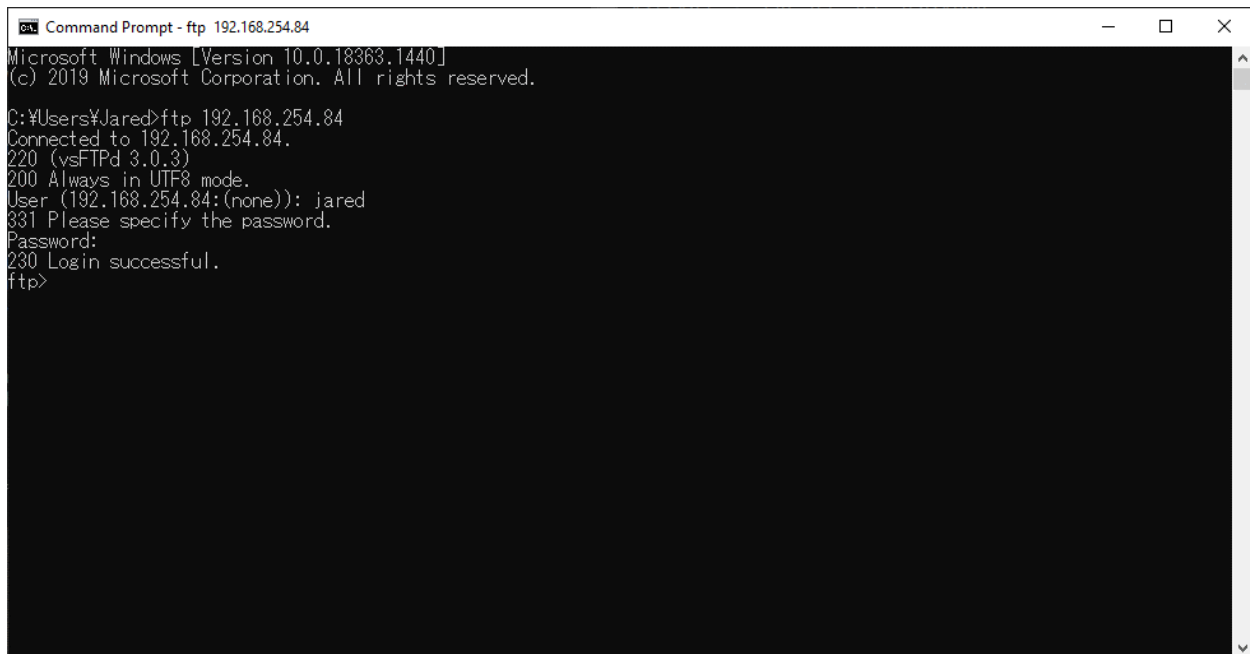
Here's a screenshot of an SSH attempt from OPNSense to the workstation being refused:

```
root@OPNsense:~ # ssh 192.168.254.84
ssh: connect to host 192.168.254.84 port 22: Connection refused
root@OPNsense:~ #
```

Screenshot of Nmap detection:



Screenshot of FTP from host machine to workstation:



Screenshot of FTP server on workstation refusing OPNSense:



