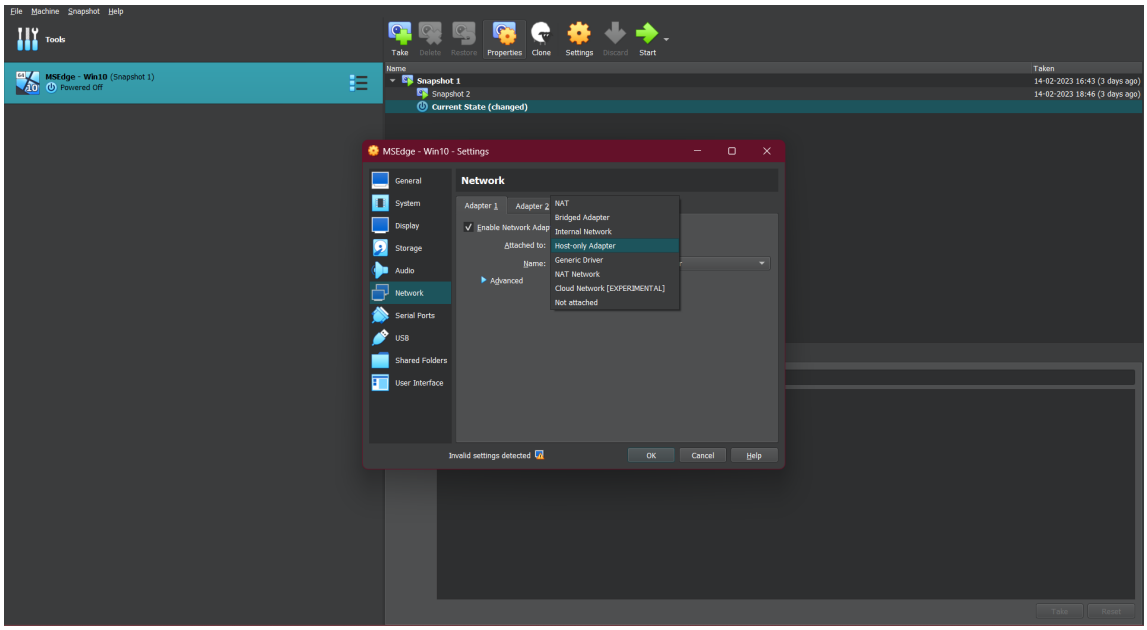
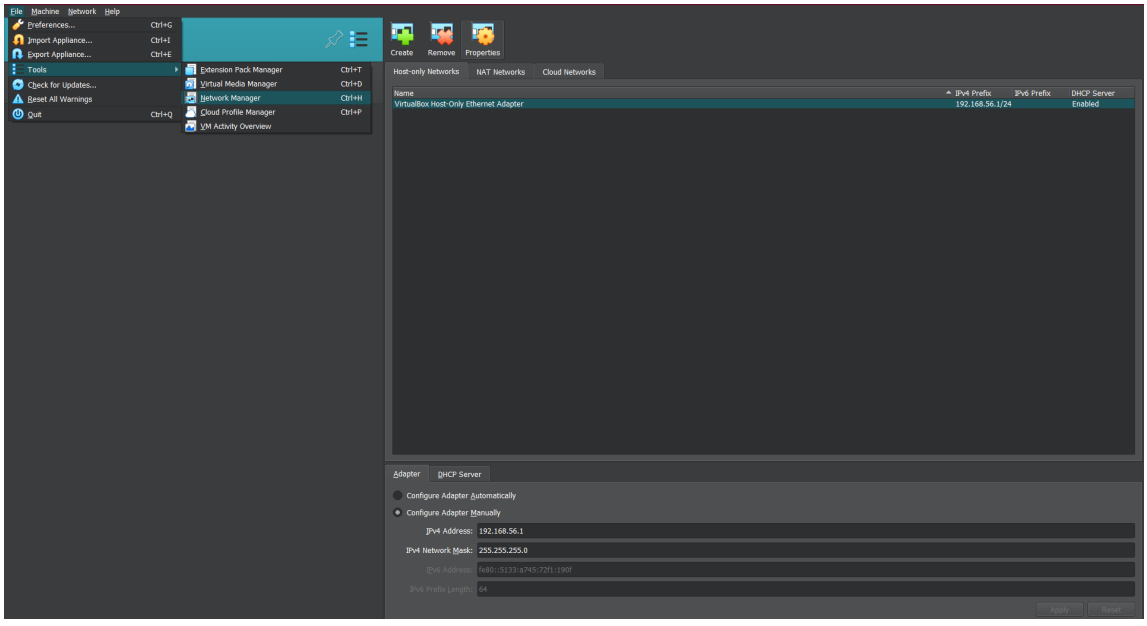
# FakenetNG Network config Instructions

1. In VirtualBox, go to Settings ->; Network for the VM. Set “Attached To” to Host-only Adapter.

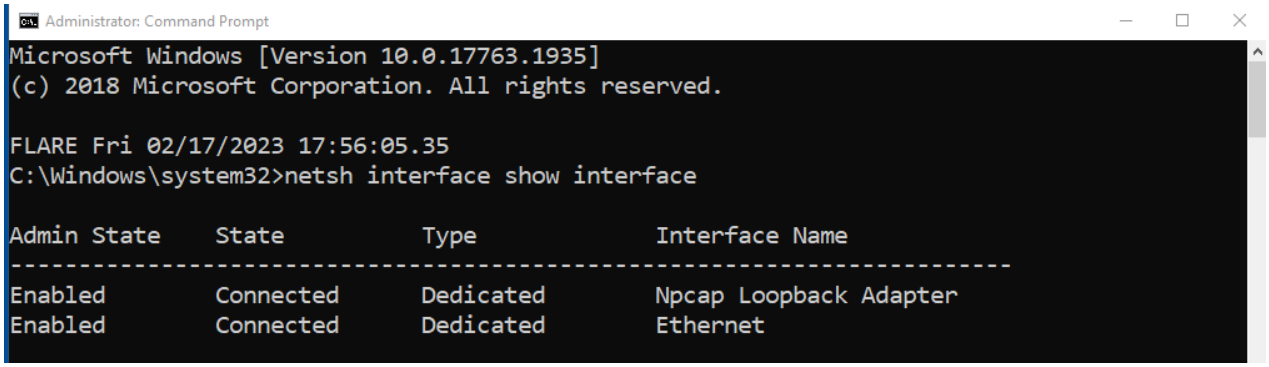



2. In File -> Tools -> Network Manager, select the adapter that the VM is using. For me, this is “VirtualBox Host-Only Ethernet Adapter”. The “IPv4 Address” field is the default gateway for the adapter and the “IPv4 Network Mask” field is the subnet mask.



3. In you VM, run cms.exe as Administrator. Type the following command to find the names of all the networks available:

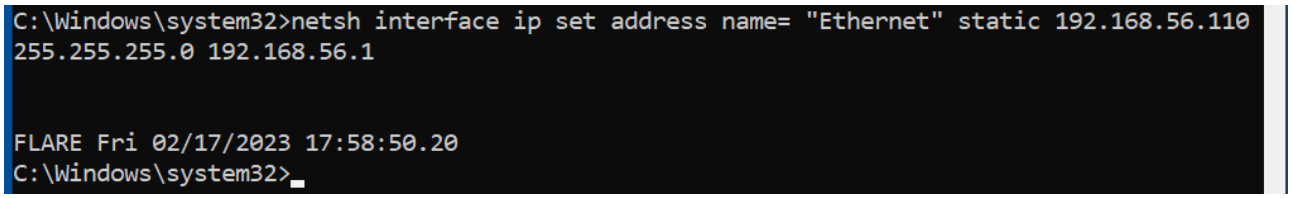
```
Unset
netsh interface show interface
```



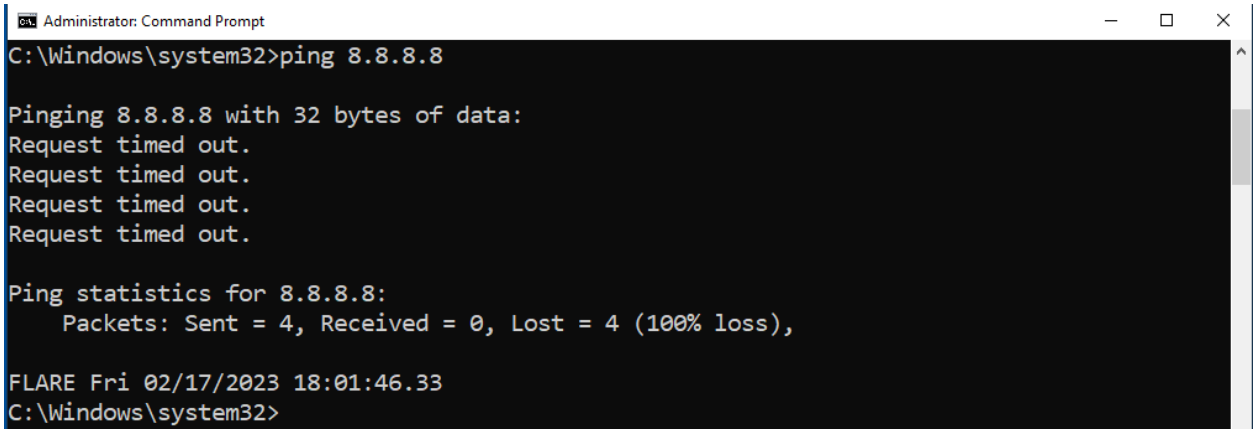

4. Type the following command to statically set your VM's IPv4 address:

```
Unset
netsh interface ip set address name= “Ethernet” static [ip address] [netmask] [default gateway]
```

Ensure that you choose an IP address in the same subnet as the default gateway.

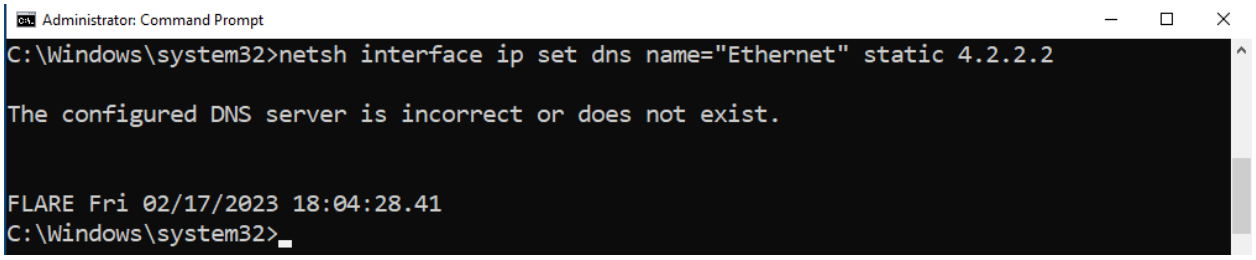


5. Ping any IP address outside of your subnet as a test. After a moment you should see “Request Timed Out”. If you see the error “Destination Host Unreachable”, you have improperly configured your network settings.




6. Then set your DNS server to an IP address outside of your subnet:

```
Unset
netsh interface ip set dns name="Ethernet" static 4.2.2.2
```




Note: The command seems to work despite throwing this error.

7. Check your settings before proceeding further using the command:

```
Unset
ipconfig /all
```

```
Ethernet adapter Ethernet:

   Connection-specific DNS Suffix  . :
   Description . . . . . . . . . . . : Intel(R) PRO/1000 MT Desktop Adapter
   Physical Address. . . . . . . . . : 08-00-27-E6-E5-59
   DHCP Enabled. . . . . . . . . . . : No
   Autoconfiguration Enabled . . . . : Yes
   Link-local IPv6 Address . . . . . : fe80::c50d:519f:96a4:e108%5(Preferred)
   IPv4 Address. . . . . . . . . . . : 192.168.56.110(Preferred)
   Subnet Mask . . . . . . . . . . . : 255.255.255.0
   Default Gateway . . . . . . . . . : 192.168.56.1
   DHCPv6 IAID . . . . . . . . . . . : 84410407
   DHCPv6 Client DUID. . . . . . . . : 00-01-00-01-24-22-F1-B3-08-00-27-E6-E5-59
   DNS Servers . . . . . . . . . . . : 4.2.2.2
   NetBIOS over Tcpip. . . . . . . . : Enabled
```

8. Take a snapshot of your VM to save these settings. Running FakeNet-NG will change your DNS settings again, so it is easiest to just revert after analysis.

9. Run FakeNet-NG from “fakenet_logs” folder in your desktop. In another window, ping any domain name. The ping request should now succeed even though you do not have internet connection.