FakenetNG Network config Instructions

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

Elle Machine Snapshot Help		
Tools	😝 🙀 🖼 🔯 con status	
MSEdge - Win10 (Snapshot 1)	None ■ Snapshot 1 ■ Snapshot 2 ② Ourrent State (changed)	Taken 14-02-2023 16:43 (3 days ago) 14-02-2023 18:46 (3 days ago)
	🏶 MSEdge - Win10 - Settings 🛛 🚽 🗆 🗙	
	General Network	
	System Adapter 1 Adapter 2 NAT	
	Bridged Adapter Display ✓ Enable Network Adap Internal Network	
	Storage Attached to: Host-only Adapter	
	Audio Advenced Advenced Advenced Advenced	
	Network Not attached	
	Serial Forts	
	Shared Folders	
	User Interface	
	Irvalid settings detacted 🔽 OK Cancel Help	
		Take Reset

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.

Elle Machine Network Help					
🧳 Preferences			A		
Import Appliance			58 \Xi 🛛		
Export Appliance	Ctrl+E			Create Remove Properties	
Tools		🕨 📑 Extension Pack Manager			
📀 Check for Updates		Virtual Media Manager	Ctrl+D	A Tool Parties Not Parties NIPO Course	
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U Quit		Cloud Profile Manager	Ctrl+P		
				Adapter DHCP Server	
				Configure Adapter Automstically	
				Configure Adapter Menually	
				JPv4 Address: 192.168.56.1	
				IPv4 Hetwork Beak: 255.255.05	
				12%6 Address: fe00::5133:a745:72f1:190f	
				IPv6 Prefix Length: 64	

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

Unset	netsh int	erface show	interface						
Administrator: Comman	^{d Prompt} DWS [Version 10	.0.17763.1935]		_		×			
(c) 2018 Microsoft Corporation. All rights reserved.									
C:\Windows\system32>netsh interface show interface									
Admin State	State	Туре	Interface Name						
Enabled Enabled	Connected Connected	Dedicated Dedicated	Npcap Loopback Adapter Ethernet						

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.

C:\Windows\system32>netsh interface ip set address name= "Ethernet" static 192.168.56.110 255.255.255.0 192.168.56.1

FLARE Fri 02/17/2023 17:58:50.20 C:\Windows\system32>_ 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.

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Administrator: Command Prompt
C:\Windows\system32>ping 8.8.8.8
Pinging 8.8.8.8 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.
Ping statistics for 8.8.8.8:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
FLARE Fri 02/17/2023 18:01:46.33
C:\Windows\system32>
```

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



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

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



Ethernet adapter Ethernet:	
Connection-specific DNS Suffix . :	
Description Intel(R) PRO/1000 MT Desktop Adapt	ter
Physical Address	
DHCP Enabled No	
Autoconfiguration Enabled : Yes	
Link-local IPv6 Address : fe80::c50d:519f:96a4:e108%5(Prefer	rred)
IPv4 Address 192.168.56.110(Preferred)	
Subnet Mask	
Default Gateway 192.168.56.1	
DHCPv6 IAID 84410407	
DHCPv6 Client DUID	E6-E5-59
DNS Servers	
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.

an Administrator: Command Prompt	-	×	C:\Tools\FakeNet-NG\fakenet1.4.11\fakenet1.4.11	akenet.exe	- 🗆 ×
FLARE Fri 02/17/2023 18:08:54.91		^	168.56.110->192.168.56.110 02/17/23 06:12:07 PM [ested UDP 192 168 56 110:53	Diverter]	svchost.exe (2072) requ
			02/17/23 06:12:07 PM [DNS Server]	Received A request for
Pinging 8.8.8.8 with 32 bytes of data: Reply from 192.168.56.110: bytes=32 time=9ms TTL=128 Reply from 192.168.56.110: bytes=32 time=9ms TTL=128			domain 'dns.ms+tncsi.com'. 02/17/23 06:12:15 PM [169 56 110 28 9 9	Diverter]	ICMP type 8 code 0 192.
Reply from 192.168.56.110: bytes=32 time=8ms TTL=128 Reply from 192.168.56.110: bytes=32 time=6ms TTL=128			02/17/23 06:12:15 PM [type 8, code 0):	Diverter]	Modifying ICMP packet (
Ping statistics for 8.8.8.			02/17/23 06:12:15 PM [Diverter]	from: 192.168.56.110-
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),			02/17/23 06:12:15 PM [Diverter]	to: 192.168.56.110-
Minimum = 6ms, Maximum = 9ms, Average = 7ms			02/17/23 06:12:15 PM [168 56 110-\192 168 56 110	Diverter]	ICMP type 0 code 0 192.
FLARE Fri 02/17/2023 18:12:18.60			02/17/23 06:12:16 PM [Diverter]	ICMP type 8 code 0 192.
C. (WINDOWS (System)27			02/17/23 06:12:16 PM [Diverter]	Modifying ICMP packet (
			02/17/23 06:12:16 PM [Diverter]	from: 192.168.56.110-
			02/17/23 06:12:16 PM [Diverter]	to: 192.168.56.110-
			02/17/23 06:12:16 PM [168 56 110->192 168 56 110	Diverter]	ICMP type 0 code 0 192.
			02/17/23 06:12:17 PM [168.56.110->8.8.8.8	Diverter]	ICMP type 8 code 0 192.
			02/17/23 06:12:17 PM [type 8. code 0):	Diverter]	Modifying ICMP packet (
			02/17/23 06:12:17 PM [>8.8.8.8	Diverter]	from: 192.168.56.110-
			02/17/23 06:12:17 PM [>192.168.56.110	Diverter]	to: 192.168.56.110-
			02/17/23 06:12:17 PM [168.56.110->192.168.56.110	Diverter]	ICMP type 0 code 0 192.
			02/17/23 06:12:18 PM [168.56.110->8.8.8.8	Diverter]	ICMP type 8 code 0 192.
			02/17/23 06:12:18 PM [type 8. code 0):	Diverter]	Modifying ICMP packet (
			02/17/23 06:12:18 PM [>8.8.8.8	Diverter]	from: 192.168.56.110-
			02/17/23 06:12:18 PM [>192.168.56.110	Diverter]	to: 192.168.56.110-
			02/17/23 06:12:18 PM [168.56.110->192.168.56.110	Diverter]	ICMP type 0 code 0 192.