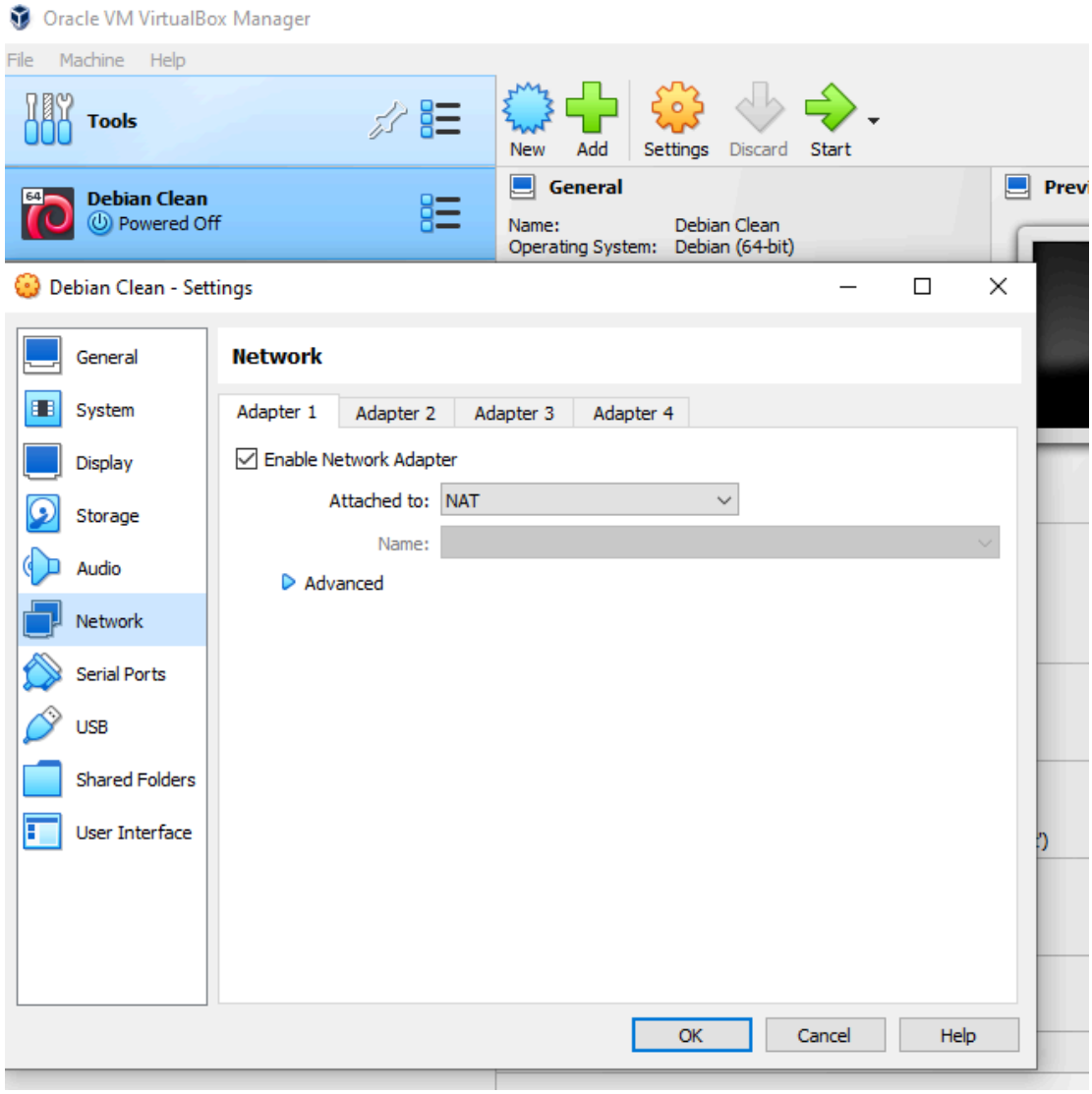
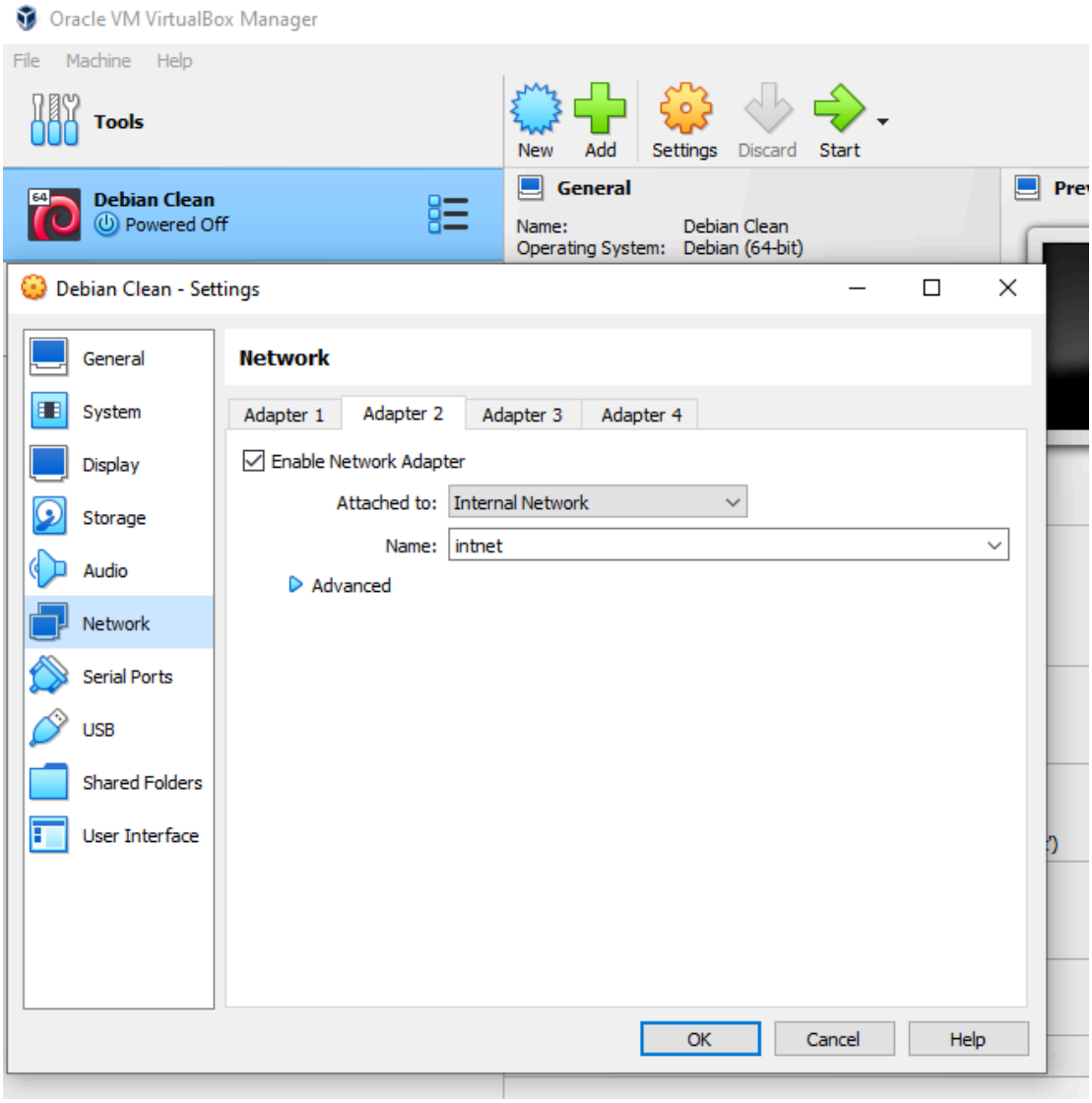
Configurar Múltiplas Redes no Servidor linux



In [ ]:



Através do comando `lspci` é possível verificar se o Linux identificou o segundo adaptador de rede.

```
root@debian:~# lspci
00:00.0 Host bridge: Intel Corporation 440FX - 82441FX PMC [Natoma] (rev 02)
00:01.0 ISA bridge: Intel Corporation 82371SB PIIX3 ISA [Natoma/Triton II]
00:01.1 IDE interface: Intel Corporation 82371AB/EB/MB PIIX4 IDE (rev 01)
00:02.0 VGA compatible controller: VMware SVGA II Adapter
00:03.0 Ethernet controller: Intel Corporation 82540EM Gigabit Ethernet Controller (rev 02)
00:04.0 System peripheral: InnoTek Systemberatung GmbH VirtualBox Guest Service
00:05.0 Multimedia audio controller: Intel Corporation 82801AA AC'97 Audio Controller (rev 01)
00:06.0 USB controller: Apple Inc. KeyLargo/Intrepid USB
00:07.0 Bridge: Intel Corporation 82371AB/EB/MB PIIX4 ACPI (rev 08)
00:08.0 Ethernet controller: Intel Corporation 82540EM Gigabit Ethernet Controller (rev 02)
00:0b.0 USB controller: Intel Corporation 82801FB/FBM/FR/FW/FRW (ICH6 Family) USB2 EHCI Controller
00:0d.0 SATA controller: Intel Corporation 82801HM/HEM (ICH8M/ICH8M-E) SATA Controller [AHCI mode] (
rev 02)
root@debian:~#
```

In [ ]:

Através do comando `ip a` é possível verificar que o adaptador de rede 2 não está configurado:

```
root@debian:~# ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
       valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host noprefixroute
       valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 100
0
    link/ether 08:00:27:75:28:e5 brd ff:ff:ff:ff:ff:ff
    inet 10.0.2.15/24 brd 10.0.2.255 scope global dynamic enp0s3
       valid_lft 86139sec preferred_lft 86139sec
    inet6 fe80::a00:27ff:fe75:28e5/64 scope link
       valid_lft forever preferred_lft forever
3: enp0s8: <BROADCAST,MULTICAST> mtu 1500 qdisc noop state DOWN group default qlen 1000
    link/ether 08:00:27:7b:0e:34 brd ff:ff:ff:ff:ff:ff
root@debian:~# _
```

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Para configurar o segundo adaptador rede é necessário editar o arquivo `interfaces`, localizado no diretório `/etc/network`

```
 2 # and how to activate them. For more information, see inte
 3
 4 source /etc/network/interfaces.d/*
 5
 6 # The loopback network interface
 7 auto lo
 8 iface lo inet loopback
 9
10 # WAN
11 allow-hotplug enp0s3
12 auto enp0s3
13 iface enp0s3 inet dhcp
14
15 # LAN
16 allow-hotplug enp0s8
17 auto enp0s8
18 iface enp0s8 inet static
19 address 192.168.0.1
20 netmask 255.255.255.0
21 network 192.168.0.0
22 broadcast 192.168.0.255
```

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Após a edição do arquivo interfaces é necessário reiniciar o serviço de rede através do comando `systemctl restart networking` e fazser um ping em uma webpage para verificar se a internet está funcionando.

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