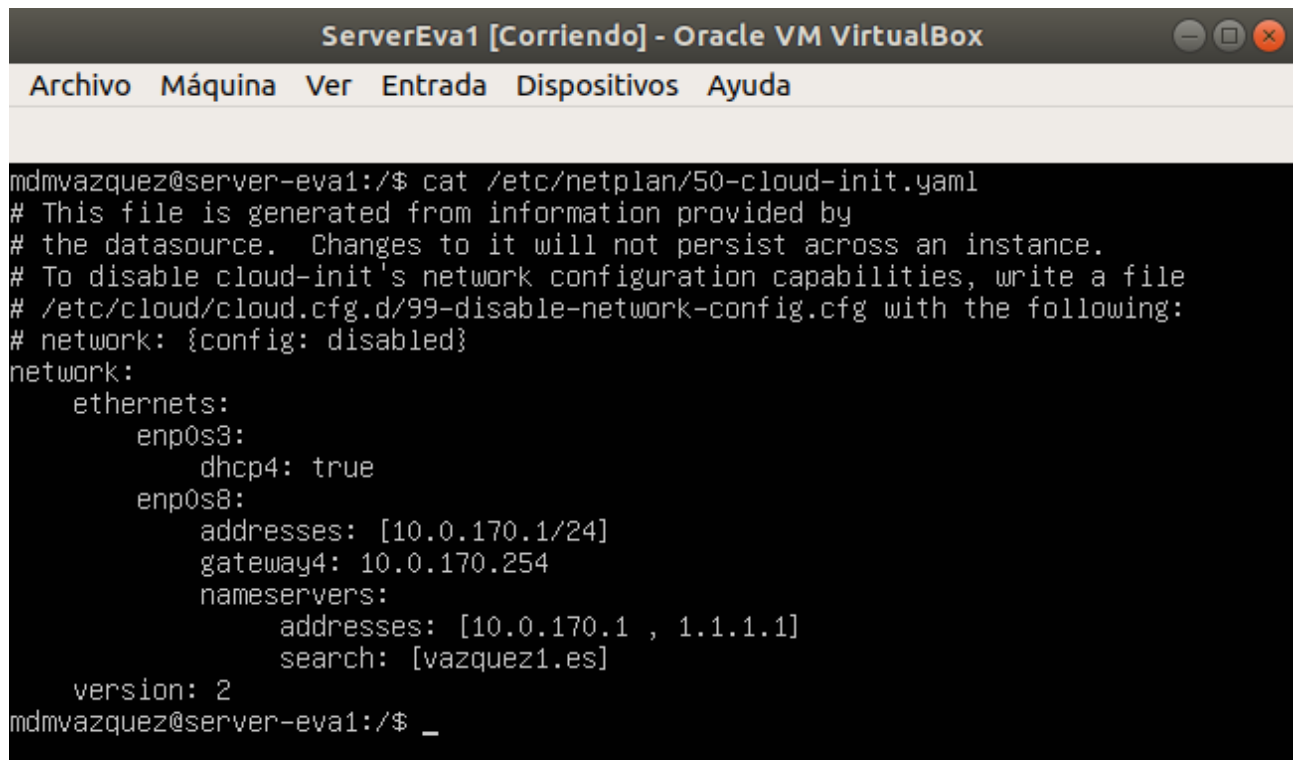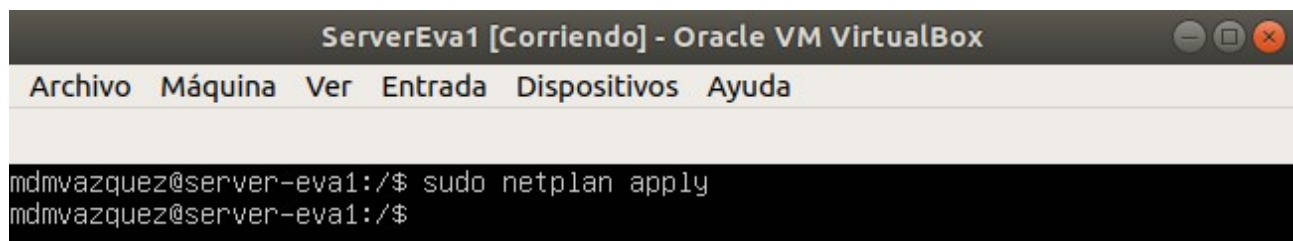1.-


```
SererEva1 [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda

mdmvazquez@server-eva1:/$ cat /etc/netplan/50-cloud-init.yaml
# This file is generated from information provided by
# the datasource.  Changes to it will not persist across an instance.
# To disable cloud-init's network configuration capabilities, write a file
# /etc/cloud/cloud.cfg.d/99-disable-network-config.cfg with the following:
# network: {config: disabled}
network:
    ethernets:
        enp0s3:
            dhcp4: true
        enp0s8:
            addresses: [10.0.170.1/24]
            gateway4: 10.0.170.254
            nameservers:
                addresses: [10.0.170.1 , 1.1.1.1]
                search: [vazquez1.es]
    version: 2
mdmvazquez@server-eva1:/$ _
```

2.-


```
SererEva1 [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda

mdmvazquez@server-eva1:/$ sudo netplan apply
mdmvazquez@server-eva1:/$
```

ServerEva1 [Corriendo] - Oracle VM VirtualBox

Archivo   Máquina   Ver   Entrada   Dispositivos   Ayuda

```
mdmvazquez@server-eva1:/$ ip -c a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default
    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
       valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP gro
0
    link/ether 08:00:27:75:a2:a1 brd ff:ff:ff:ff:ff:ff
    inet6 fe80::a00:27ff:fe75:a2a1/64 scope link
       valid_lft forever preferred_lft forever
3: enp0s8: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP gro
0
    link/ether 08:00:27:22:c6:22 brd ff:ff:ff:ff:ff:ff
    inet 10.0.170.1/24 brd 10.0.170.255 scope global enp0s8
       valid_lft forever preferred_lft forever
    inet6 fe80::a00:27ff:fe22:c622/64 scope link
       valid_lft forever preferred_lft forever
mdmvazquez@server-eva1:/$ _
```

ServerEva1 [Corriendo] - Oracle VM VirtualBox

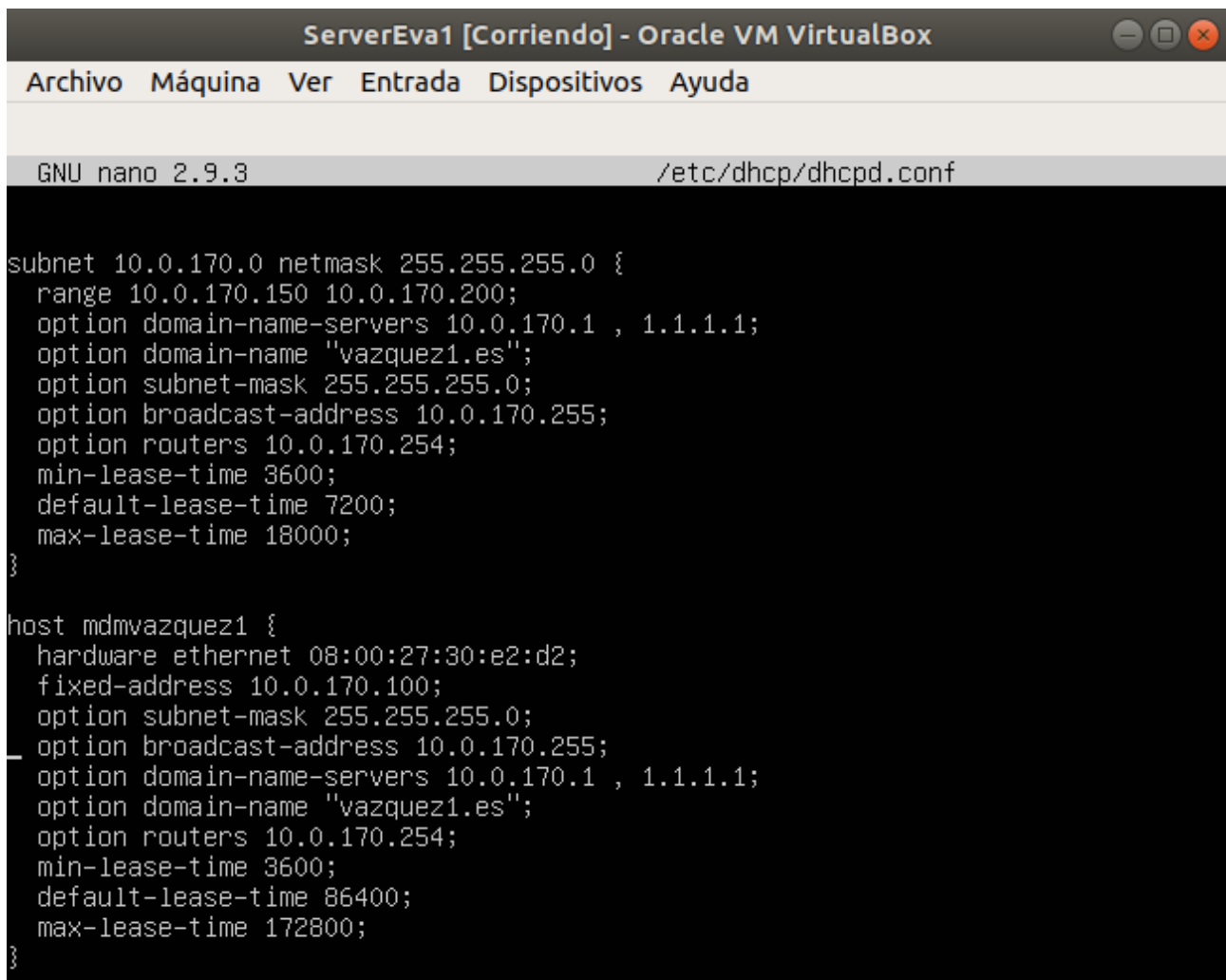Archivo   Máquina   Ver   Entrada   Dispositivos   Ayuda

```
mdmvazquez@server-eva1:/$ ip route show
default via 10.0.170.254 dev enp0s8 proto static
10.0.170.0/24 dev enp0s8 proto kernel scope link src 10.0.170.1
mdmvazquez@server-eva1:/$
```

```
ServerEva1 [Corriendo] - Oracle VM VirtualBox

Archivo   Máquina   Ver   Entrada   Dispositivos   Ayuda

Global
          DNSSEC NTA: 10.in-addr.arpa
                      16.172.in-addr.arpa
                      168.192.in-addr.arpa
                      17.172.in-addr.arpa
                      18.172.in-addr.arpa
                      19.172.in-addr.arpa
                      20.172.in-addr.arpa
                      21.172.in-addr.arpa
                      22.172.in-addr.arpa
                      23.172.in-addr.arpa
                      24.172.in-addr.arpa
                      25.172.in-addr.arpa
                      26.172.in-addr.arpa
                      27.172.in-addr.arpa
                      28.172.in-addr.arpa
                      29.172.in-addr.arpa
                      30.172.in-addr.arpa
                      31.172.in-addr.arpa
                      corp
                      d.f.ip6.arpa
                      home
                      internal
                      intranet
                      lan
                      local
                      private
                      test

Link 3 (enp0s8)
        Current Scopes: DNS
         LLMNR setting: yes
MulticastDNS setting: no
        DNSSEC setting: no
     DNSSEC supported: no
           DNS Servers: 10.0.170.1
lines 1-36
```
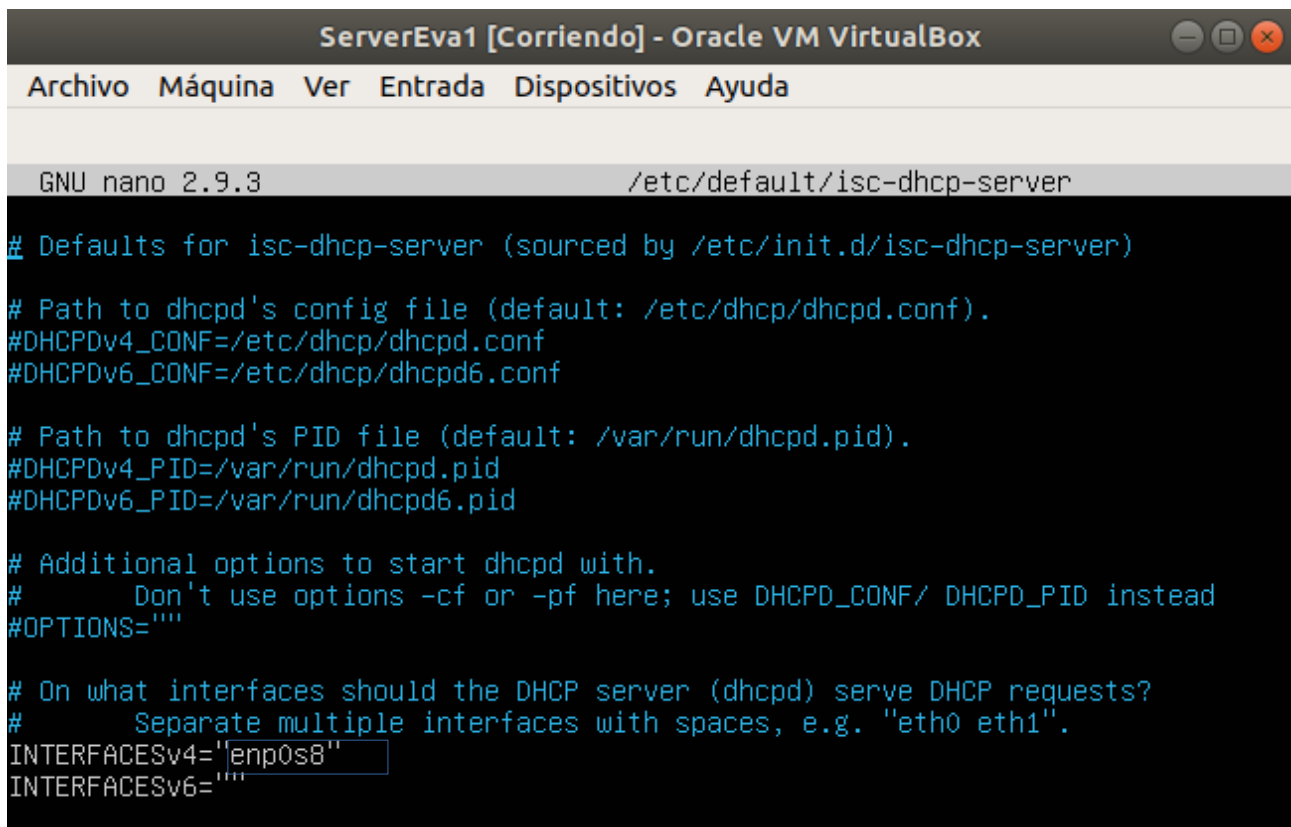
3.-


```
GNU nano 2.9.3                          /etc/dhcp/dhcpd.conf


subnet 10.0.170.0 netmask 255.255.255.0 {
  range 10.0.170.150 10.0.170.200;
  option domain-name-servers 10.0.170.1 , 1.1.1.1;
  option domain-name "vazquez1.es";
  option subnet-mask 255.255.255.0;
  option broadcast-address 10.0.170.255;
  option routers 10.0.170.254;
  min-lease-time 3600;
  default-lease-time 7200;
  max-lease-time 18000;
}

host mdmvazquez1 {
  hardware ethernet 08:00:27:30:e2:d2;
  fixed-address 10.0.170.100;
  option subnet-mask 255.255.255.0;
  option broadcast-address 10.0.170.255;
  option domain-name-servers 10.0.170.1 , 1.1.1.1;
  option domain-name "vazquez1.es";
  option routers 10.0.170.254;
  min-lease-time 3600;
  default-lease-time 86400;
  max-lease-time 172800;
}
```

```
SectorEva1 [Corriendo] - Oracle VM VirtualBox

Archivo   Máquina   Ver   Entrada   Dispositivos   Ayuda


  GNU nano 2.9.3                    /etc/default/isc-dhcp-server


# Defaults for isc-dhcp-server (sourced by /etc/init.d/isc-dhcp-server)

# Path to dhcpd's config file (default: /etc/dhcp/dhcpd.conf).
#DHCPDv4_CONF=/etc/dhcp/dhcpd.conf
#DHCPDv6_CONF=/etc/dhcp/dhcpd6.conf

# Path to dhcpd's PID file (default: /var/run/dhcpd.pid).
#DHCPDv4_PID=/var/run/dhcpd.pid
#DHCPDv6_PID=/var/run/dhcpd6.pid

# Additional options to start dhcpd with.
#       Don't use options -cf or -pf here; use DHCPD_CONF/ DHCPD_PID instead
#OPTIONS=""

# On what interfaces should the DHCP server (dhcpd) serve DHCP requests?
#       Separate multiple interfaces with spaces, e.g. "eth0 eth1".
INTERFACESv4="enp0s8"
INTERFACESv6=""
```
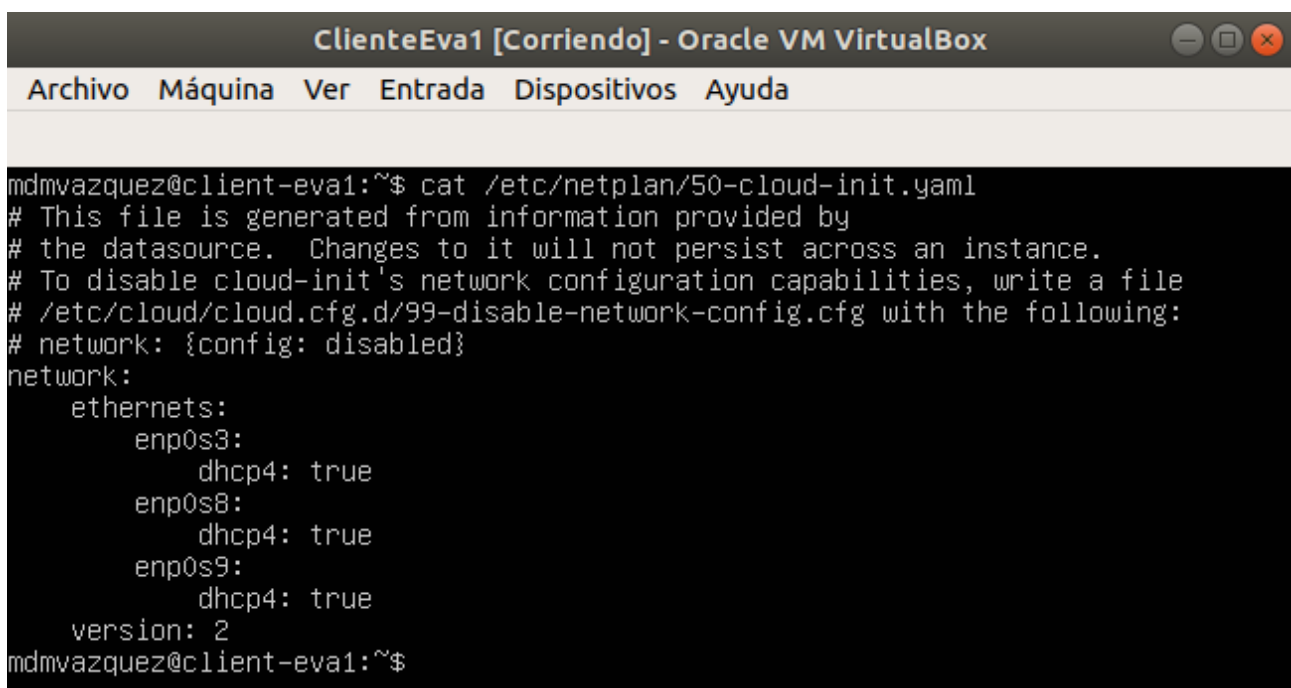
4.-

```
ClienteEva1 [Corriendo] - Oracle VM VirtualBox

Archivo   Máquina   Ver   Entrada   Dispositivos   Ayuda


mdmvazquez@client-eva1:~$ cat /etc/netplan/50-cloud-init.yaml
# This file is generated from information provided by
# the datasource.  Changes to it will not persist across an instance.
# To disable cloud-init's network configuration capabilities, write a file
# /etc/cloud/cloud.cfg.d/99-disable-network-config.cfg with the following:
# network: {config: disabled}
network:
    ethernets:
        enp0s3:
            dhcp4: true
        enp0s8:
            dhcp4: true
        enp0s9:
            dhcp4: true
    version: 2
mdmvazquez@client-eva1:~$
```

5.-

ClienteEva1 [Corriendo] - Oracle VM VirtualBox

Archivo Máquina Ver Entrada Dispositivos Ayuda

```
mdmvazquez@client-eva1:~$ sudo netplan apply
mdmvazquez@client-eva1:~$ _
```

ClienteEva1 [Corriendo] - Oracle VM VirtualBox

Archivo Máquina Ver Entrada Dispositivos Ayuda

```
mdmvazquez@client-eva1:~$ ip -c a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default
    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
       valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP gro
0
    link/ether 08:00:27:5b:ed:49 brd ff:ff:ff:ff:ff:ff
    inet6 fe80::a00:27ff:fe5b:ed49/64 scope link
       valid_lft forever preferred_lft forever
3: enp0s8: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP gro
0
    link/ether 08:00:27:30:e2:d2 brd ff:ff:ff:ff:ff:ff
    inet 10.0.170.100/24 brd 10.0.170.255 scope global dynamic enp0s8
       valid_lft 86366sec preferred_lft 86366sec
    inet6 fe80::a00:27ff:fe30:e2d2/64 scope link
       valid_lft forever preferred_lft forever
4: enp0s9: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP gro
0
    link/ether 08:00:27:1b:b3:83 brd ff:ff:ff:ff:ff:ff
    inet 10.0.170.150/24 brd 10.0.170.255 scope global dynamic enp0s9
       valid_lft 7152sec preferred_lft 7152sec
    inet6 fe80::a00:27ff:fe1b:b383/64 scope link
       valid_lft forever preferred_lft forever
mdmvazquez@client-eva1:~$ _
```

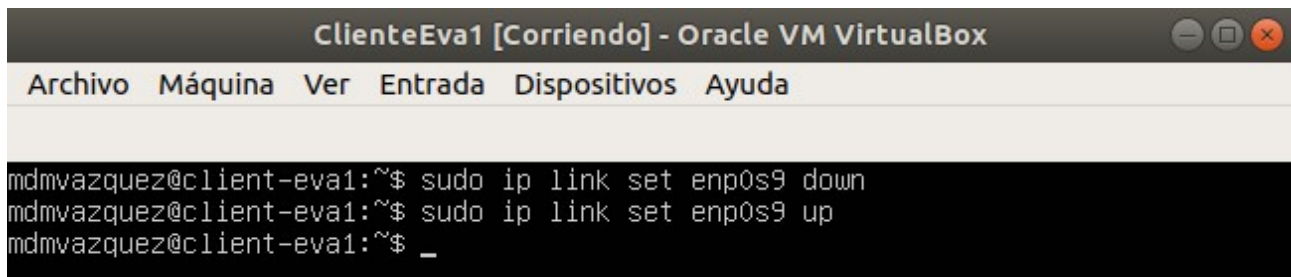**ClienteEva1 [Corriendo] - Oracle VM VirtualBox**

Archivo Máquina Ver Entrada Dispositivos Ayuda

```
mdmvazquez@client-eva1:~$ ip route show
default via 10.0.170.254 dev enp0s9 proto dhcp src 10.0.170.150 metric 100
default via 10.0.170.254 dev enp0s8 proto dhcp src 10.0.170.100 metric 100
10.0.170.0/24 dev enp0s9 proto kernel scope link src 10.0.170.150
10.0.170.0/24 dev enp0s8 proto kernel scope link src 10.0.170.100
10.0.170.254 dev enp0s9 proto dhcp scope link src 10.0.170.150 metric 100
10.0.170.254 dev enp0s8 proto dhcp scope link src 10.0.170.100 metric 100
mdmvazquez@client-eva1:~$ _
```

ClienteEva1 [Corriendo] - Oracle VM VirtualBox

Archivo Máquina Ver Entrada Dispositivos Ayuda

```
Global
            DNSSEC NTA: 10.in-addr.arpa
                        16.172.in-addr.arpa
                        168.192.in-addr.arpa
                        17.172.in-addr.arpa
                        18.172.in-addr.arpa
                        19.172.in-addr.arpa
                        20.172.in-addr.arpa
                        21.172.in-addr.arpa
                        22.172.in-addr.arpa
                        23.172.in-addr.arpa
                        24.172.in-addr.arpa
                        25.172.in-addr.arpa
                        26.172.in-addr.arpa
                        27.172.in-addr.arpa
                        28.172.in-addr.arpa
                        29.172.in-addr.arpa
                        30.172.in-addr.arpa
                        31.172.in-addr.arpa
                        corp
                        d.f.ip6.arpa
                        home
                        internal
                        intranet
                        lan
                        local
                        private
                        test

Link 4 (enp0s9)
        Current Scopes: DNS
         LLMNR setting: yes
MulticastDNS setting: no
        DNSSEC setting: no
     DNSSEC supported: no
          DNS Servers: 10.0.170.1
lines 1-36
```

6.-

7.-

9.-

10.-