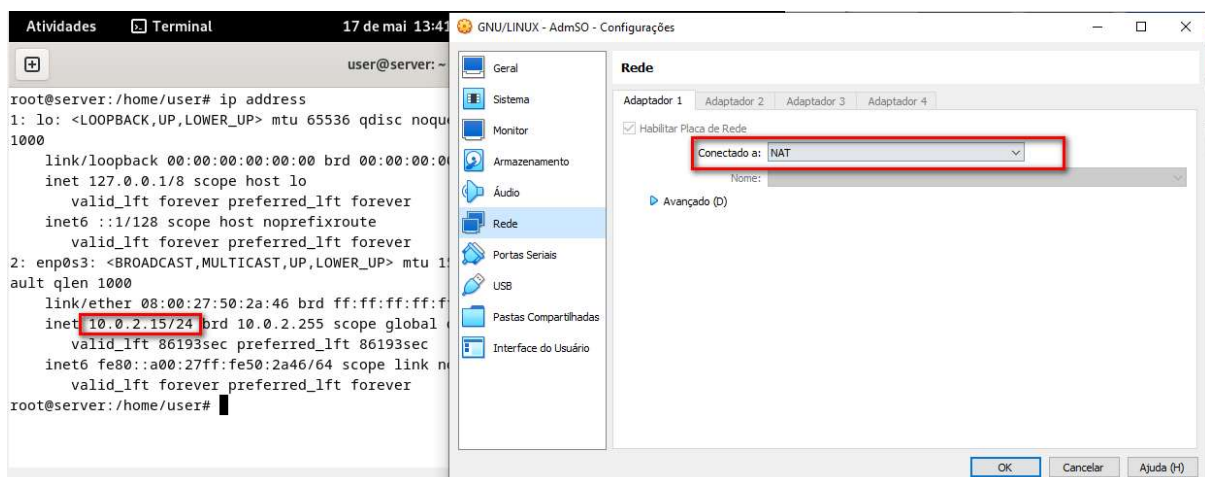


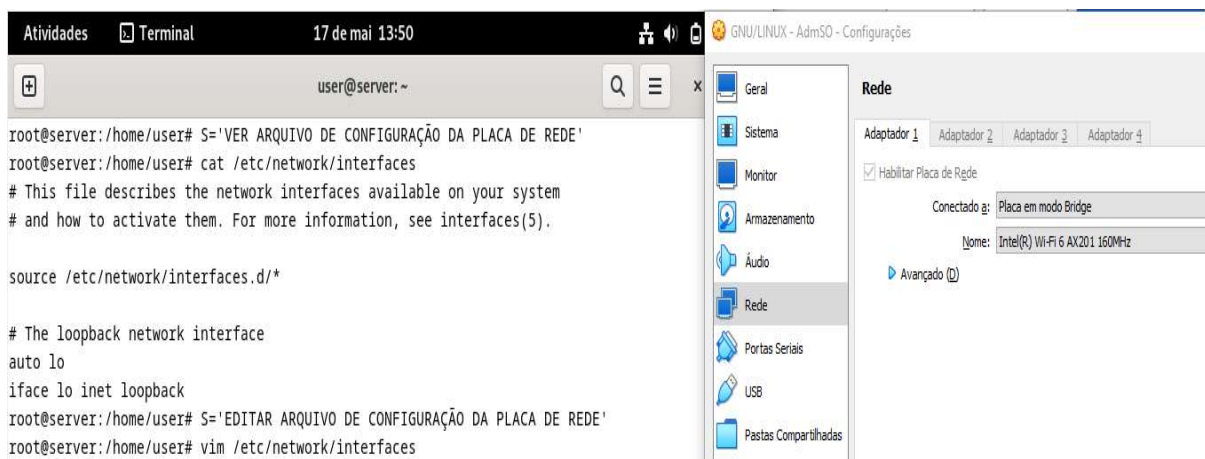
Atribuindo endereço de IP no GNU/LINUX:

```
root@server:/home/user#  
root@server:/home/user# S='Verificar IP do S.O'  
root@server:/home/user# ip address  
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 1000  
    link/ether 08:00:27:50:2a:46 brd ff:ff:ff:ff:ff:ff  
    inet 10.0.2.15/24 brd 10.0.2.255 scope global dynamic noprefixroute enp0s3  
        valid_lft 86242sec preferred_lft 86242sec  
    inet6 fe80::a00:27ff:fe50:2a46/64 scope link noprefixroute  
        valid_lft forever preferred_lft forever  
root@server:/home/user#
```

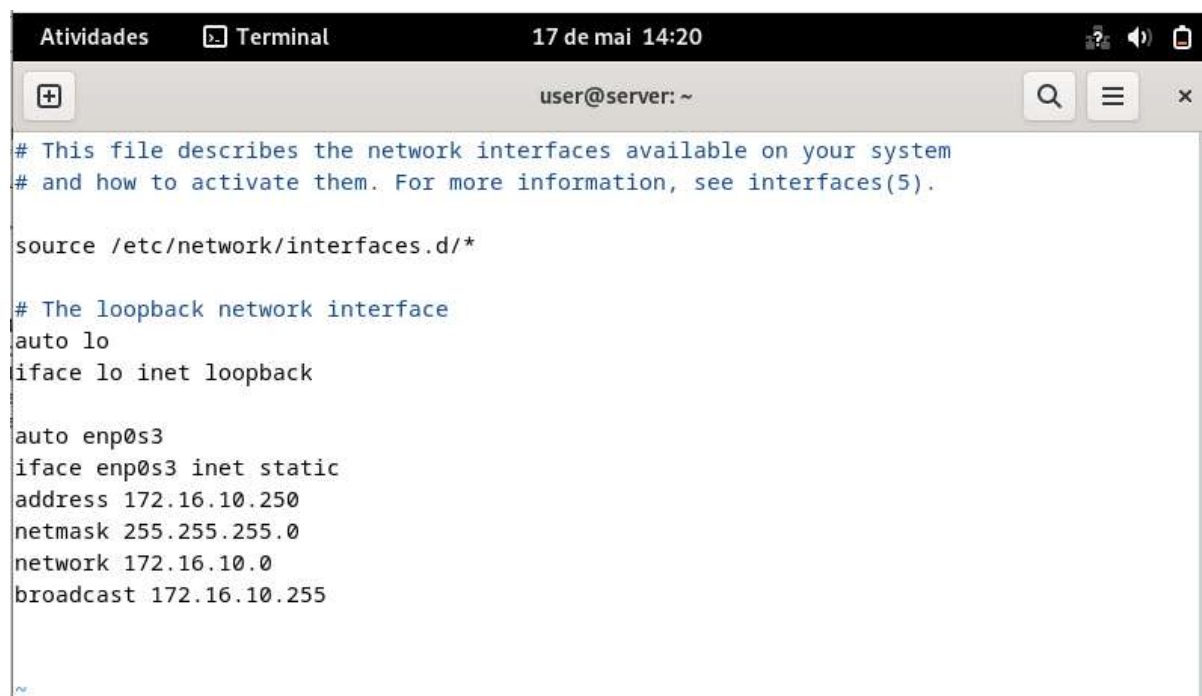
Verificar o endereço IP FIXO e configuração de rede no VirtualBox:



Visualizar o arquivo de configuração da placa de rede (/etc/network/interfaces)



Editar o arquivo de configuração da placa de rede (/etc/network/interfaces)



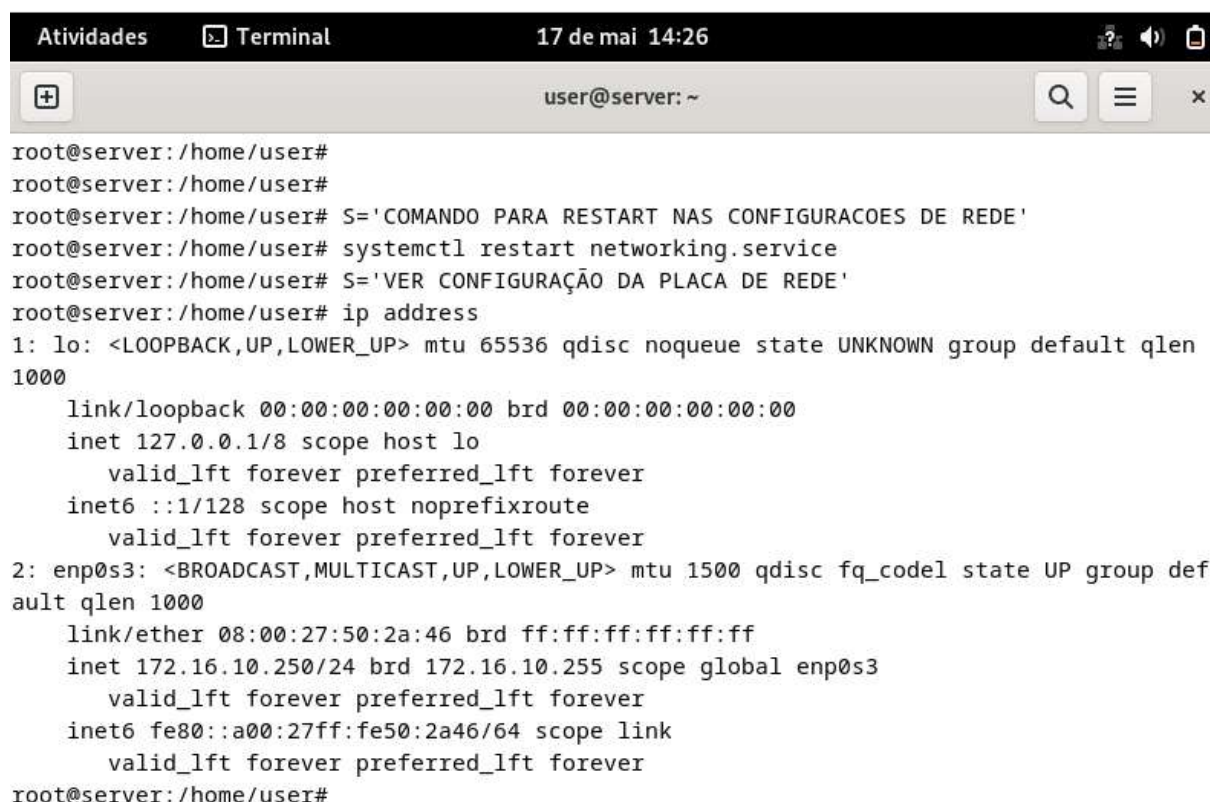
A terminal window titled "Terminal" with a timestamp of "17 de mai 14:20". The window shows the content of the file /etc/network/interfaces. The text is as follows:

```
# This file describes the network interfaces available on your system
# and how to activate them. For more information, see interfaces(5).

source /etc/network/interfaces.d/*

# The loopback network interface
auto lo
iface lo inet loopback

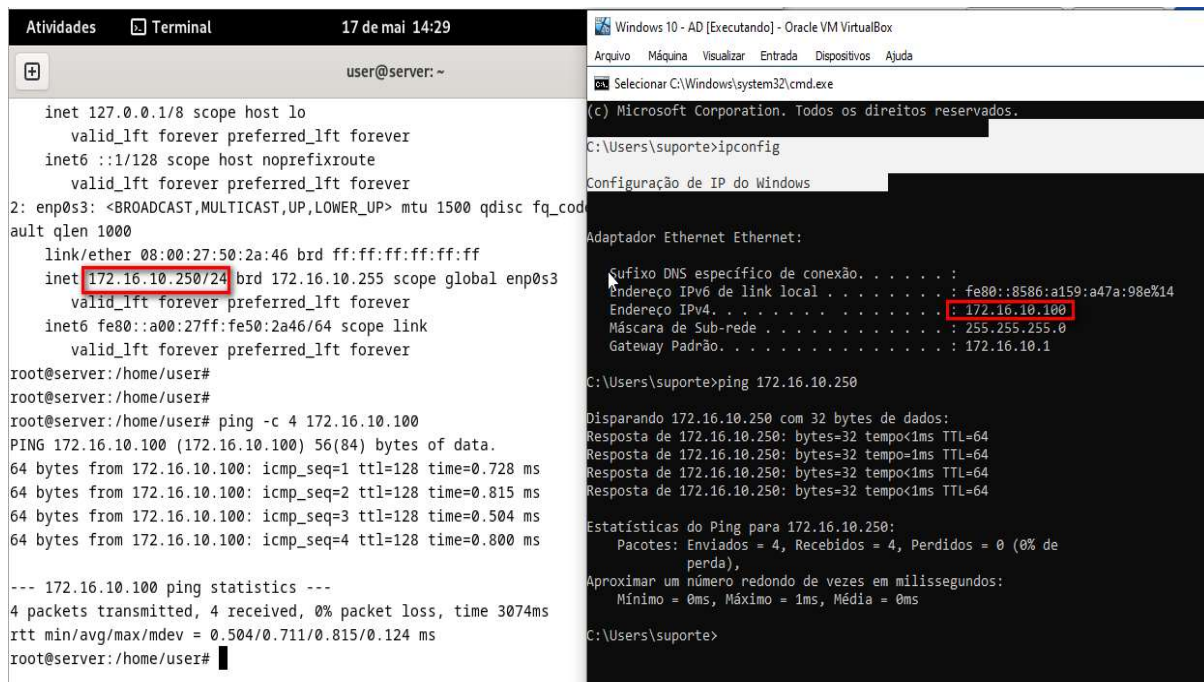
auto enp0s3
iface enp0s3 inet static
address 172.16.10.250
netmask 255.255.255.0
network 172.16.10.0
broadcast 172.16.10.255
```



A terminal window titled "Terminal" with a timestamp of "17 de mai 14:26". The window shows the execution of several commands to restart the networking service and check the IP address configuration. The text is as follows:

```
root@server:/home/user#
root@server:/home/user#
root@server:/home/user# S='COMANDO PARA RESTART NAS CONFIGURACOES DE REDE'
root@server:/home/user# systemctl restart networking.service
root@server:/home/user# S='VER CONFIGURAÇÃO DA PLACA DE REDE'
root@server:/home/user# ip address
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 1000
    link/ether 08:00:27:50:2a:46 brd ff:ff:ff:ff:ff:ff
    inet 172.16.10.250/24 brd 172.16.10.255 scope global enp0s3
        valid_lft forever preferred_lft forever
    inet6 fe80::a00:27ff:fe50:2a46/64 scope link
        valid_lft forever preferred_lft forever
root@server:/home/user#
```

Teste de comunicação entre o servidor GNU/Linux e host cliente.



The image shows two side-by-side windows. The left window is a Linux terminal with the prompt 'user@server: ~'. It displays network configuration for 'enp0s3', including IP address '172.16.10.250/24' (highlighted with a red box), and performs a ping test to '172.16.10.100' (also highlighted with a red box). The right window is a Windows 10 VM titled 'Windows 10 - AD [Executando] - Oracle VM VirtualBox'. It shows the 'ipconfig' command output, with the IPv4 address '172.16.10.100' highlighted in red. Below this, it shows the 'ping 172.16.10.250' command and its output, confirming successful communication.

```
user@server: ~  
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  
    link/ether 08:00:27:50:2a:46 brd ff:ff:ff:ff:ff:ff  
    inet 172.16.10.250/24 brd 172.16.10.255 scope global enp0s3  
        valid_lft forever preferred_lft forever  
    inet6 fe80::a00:27ff:fe50:2a46/64 scope link  
        valid_lft forever preferred_lft forever  
root@server:/home/user#  
root@server:/home/user#  
root@server:/home/user# ping -c 4 172.16.10.100  
PING 172.16.10.100 (172.16.10.100) 56(84) bytes of data:  
64 bytes from 172.16.10.100: icmp_seq=1 ttl=128 time=0.728 ms  
64 bytes from 172.16.10.100: icmp_seq=2 ttl=128 time=0.815 ms  
64 bytes from 172.16.10.100: icmp_seq=3 ttl=128 time=0.504 ms  
64 bytes from 172.16.10.100: icmp_seq=4 ttl=128 time=0.800 ms  
  
--- 172.16.10.100 ping statistics ---  
4 packets transmitted, 4 received, 0% packet loss, time 3074ms  
rtt min/avg/max/mdev = 0.504/0.711/0.815/0.124 ms  
root@server:/home/user#
```

```
Windows 10 - AD [Executando] - Oracle VM VirtualBox  
Arquivo  Máquina  Visualizar  Entrada  Dispositivos  Ajuda  
Selecionar C:\Windows\system32\cmd.exe  
(c) Microsoft Corporation. Todos os direitos reservados.  
C:\Users\suporte>ipconfig  
Configuração de IP do Windows  
Adaptador Ethernet Ethernet:  
    Sufixo DNS específico de conexão. . . . . :  
    Endereço IPv6 de link local . . . . . : fe80::8586:a159:a47a:98e%14  
    Endereço IPv4. . . . . : 172.16.10.100  
    Máscara de Sub-rede . . . . . : 255.255.255.0  
    Gateway Padrão. . . . . : 172.16.10.1  
C:\Users\suporte>ping 172.16.10.250  
Disparando 172.16.10.250 com 32 bytes de dados:  
Resposta de 172.16.10.250: bytes=32 tempo<1ms TTL=64  
Resposta de 172.16.10.250: bytes=32 tempo=1ms TTL=64  
Resposta de 172.16.10.250: bytes=32 tempo=1ms TTL=64  
Resposta de 172.16.10.250: bytes=32 tempo=1ms TTL=64  
Estatísticas do Ping para 172.16.10.250:  
    Pacotes: Enviados = 4, Recebidos = 4, Perdidos = 0 (0% de  
        perda),  
    Aproximar um número redondo de vezes em milissegundos:  
        Mínimo = 0ms, Máximo = 1ms, Média = 0ms  
C:\Users\suporte>
```

Arquivo de configuração para resolução de nomes (DNS)

```
root@server:/home/user#  
root@server:/home/user# S='Arquivo de resolução de nomes no GNU/LINUX'  
root@server:/home/user# cat /etc/resolv.conf  
#DNS Google  
nameserver 8.8.8.8  
#DNS Embratel  
nameserver 200.255.255.65  
root@server:/home/user#  
root@server:/home/user#
```