

Relatório

Meta 1

Projeto de Redes de Comunicação

Pedro Miguel Queiroga Trindade 2022230848

Tomás Pinto Loureiro 2022234440

Meta 1:

Para a primeira Meta deste projeto, foi necessário configurar todos as redes e todo o esquema montado para a realização deste projeto.

Cliente 1:

```
# Static config for eth0
auto eth0
iface eth0 inet static
    address 10.5.2.1
    netmask 255.255.255.192
    gateway 10.5.2.62

#up echo nameserver 192.168.0.1 > /etc/resolv.conf

# DHCP config for eth0
#auto eth0
#iface eth0 inet dhcp
#    hostname dei-rc_container-3
```

Cliente 3:

```
# Static config for eth0
auto eth0
iface eth0 inet static
    address 193.137.100.129
    netmask 255.255.255.128
    gateway 193.137.100.254

#up echo nameserver 192.168.0.1 > /etc/resolv.conf

# DHCP config for eth0
#auto eth0
#iface eth0 inet dhcp
#    hostname dei-rc_container-1
```

Cliente 2:

```
# Static config for eth0
auto eth0
iface eth0 inet static
    address 10.5.2.2
    netmask 255.255.255.192
    gateway 10.5.2.62

#up echo nameserver 192.168.0.1 > /etc/resolv.conf

# DHCP config for eth0
#auto eth0
#iface eth0 inet dhcp
#    hostname dei-rc_container-4
```

Servidor:

```
#Static config for eth0
auto eth0
iface eth0 inet static
    address 193.137.100.1
    netmask 255.255.255.128
    gateway 193.137.100.126

#up echo nameserver 192.168.0.1 > /etc/resolv.conf

#DHCP config for eth0
#auto eth0
#iface eth0 inet dhcp
#    hostname dei-rc_container-2
```

Router 1:

```
config terminal
interface FastEthernet0/0
ip address 193.137.100.126 255.255.255.128
no shutdown
exit
interface FastEthernet0/1
ip address 193.137.101.254 255.255.255.0
no shutdown
exit
ip route 193.137.100.128 255.255.255.128
193.137.101.253
exit
copy running-config startup-config
```

Router 2:

```
config terminal
interface FastEthernet0/0
ip address 193.137.101.253 255.255.255.0
no shutdown
exit
interface FastEthernet0/1
ip address 193.137.100.254 255.255.255.128
no shutdown
exit
ip route 193.137.100.0 255.255.255.128 193.137.101.254
exit
copy running-config startup-config
```

Router 3:

```
config terminal
interface FastEthernet0/0
ip address 193.137.101.252 255.255.255.0
ip nat outside
no shutdown
exit
interface FastEthernet0/1
ip address 10.5.2.62 255.255.255.192
ip nat inside
no shutdown
exit
ip route 193.137.100.0 255.255.255.128 193.137.101.254
ip route 193.137.100.128 255.255.255.128
193.137.101.253
ip nat inside source list 30 interface FastEthernet0/0
overload
access-list 30 permit 10.5.2.0 0.0.0.63
exit
copy running-config startup-config
```