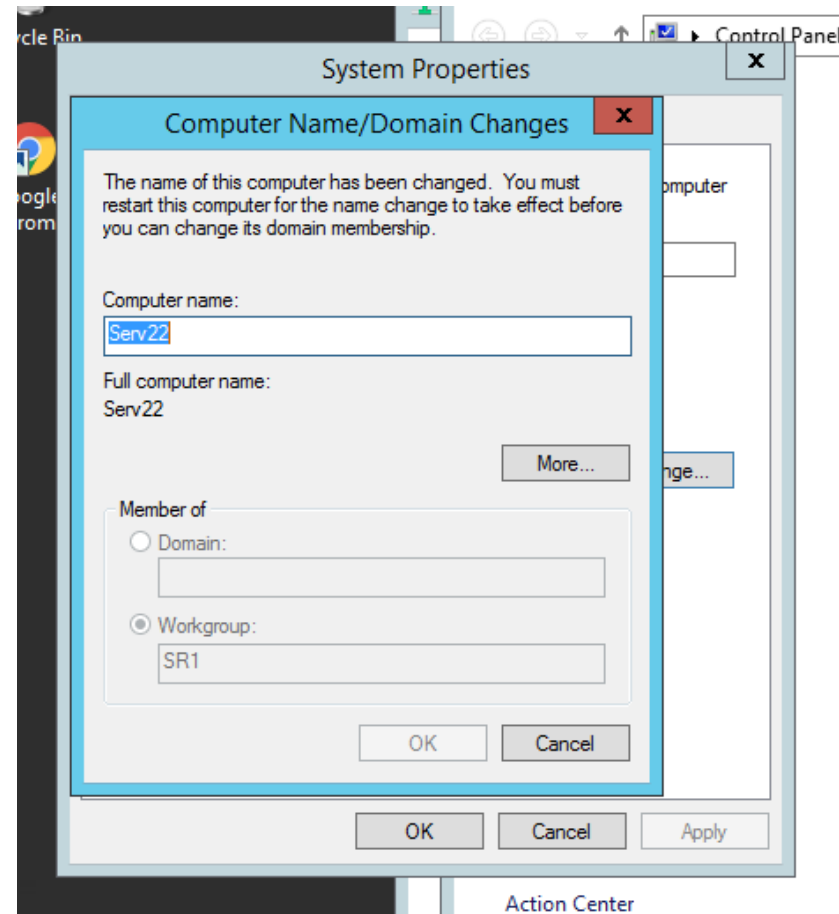


Rafael Alves 2014013189



Home

er settings

ced sharing

View your basic network information and set up connections

Internet Protocol Version 4 (TCP/IPv4) Properties

General

You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.

☐ Obtain an IP address automatically

☒ Use the following IP address:

IP address: 192 . 168 . 31 . 1

Subnet mask: 255 . 255 . 255 . 0

Default gateway: 192 . 168 . 31 . 254

☐ Obtain DNS server address automatically

☒ Use the following DNS server addresses:

Preferred DNS server: 1 . 1 . 1 . 1

Alternate DNS server: . . .

☐ Validate settings upon exit

Advanced...

OK Cancel

Internet
Ethernet 2

or access poin

mation.

ns

vall

Rename your PC

Rename your PC

You can use a combination of letters, hyphens, and numbers.

Current PC name: PT01



Next

Cancel



Tablet mode

Product ID

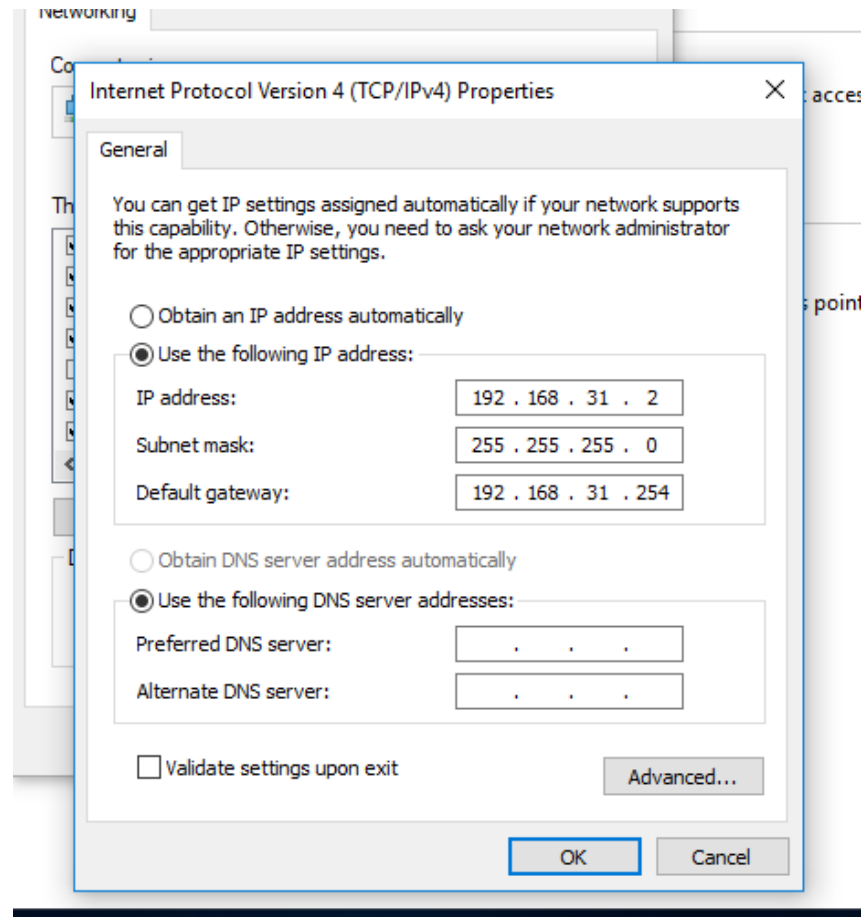
00329-20000-00001-AA685

Processor

AMD Ryzen 3 2300U with Radeon Vega
Mobile Gfx 2.00 GHz



Multitasking



```
Administrator: Command Prompt

Ethernet adapter Ethernet:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . :

Tunnel adapter isatap.{B6AC9F62-0140-427B-842E-111094CE3675}:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . :

C:\Users\Administrator>ping 192.168.31.1

Pinging 192.168.31.1 with 32 bytes of data:
Reply from 192.168.31.1: bytes=32 time<1ms TTL=128
Reply from 192.168.31.1: bytes=32 time<1ms TTL=128
Reply from 192.168.31.1: bytes=32 time<1ms TTL=128
Reply from 192.168.31.1: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.31.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\Users\Administrator>
```

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ions

New Scope Wizard

Scope Name

You have to provide an identifying scope name. You also have the option of providing a description.



Type a name and description for this scope. This information helps you quickly identify how the scope is to be used on your network.

Name:

Description:

< Back Next > Cancel

File and Storage

Manager > Dashboard

Help

Options

New Scope Wizard

IP Address Range
You define the scope address range by identifying a set of consecutive IP addresses.

Configuration settings for DHCP Server

Enter the range of addresses that the scope distributes.

Start IP address: 192 . 168 . 31 . 2

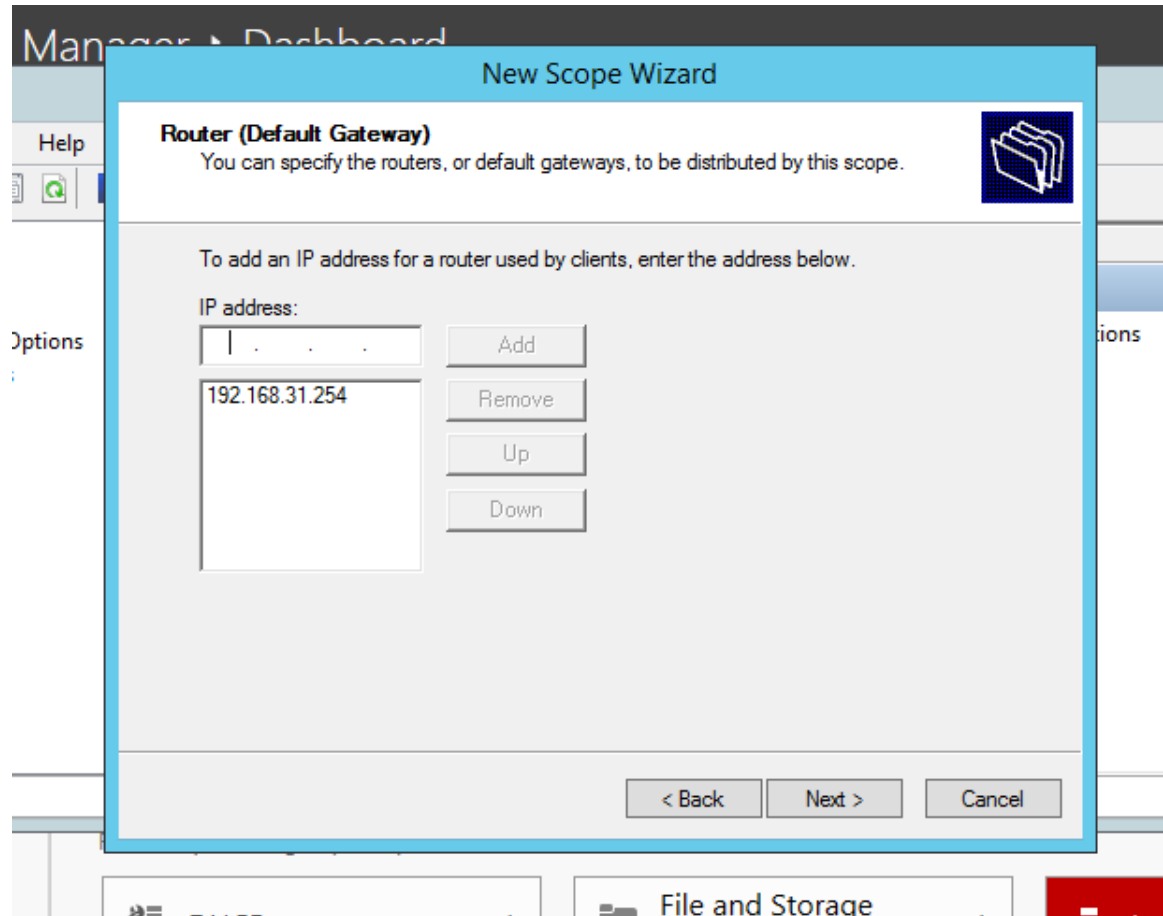
End IP address: 192 . 168 . 31 . 254

Configuration settings that propagate to DHCP Client

Length: 24

Subnet mask: 255 . 255 . 255 . 0

< Back Next > Cancel



```
IPv4 Address. . . . . : 192.168.31.50  
Subnet Mask . . . . . : 255.255.255.0  
Default Gateway . . . . . : 192.168.31.254
```

```
C:\Users\WK01>ping 192.168.31.1
```

```
Pinging 192.168.31.1 with 32 bytes of data:
```

```
Reply from 192.168.31.1: bytes=32 time<1ms TTL=128
```

```
Reply from 192.168.31.1: bytes=32 time<1ms TTL=128
```

```
Reply from 192.168.31.1: bytes=32 time<1ms TTL=128
```

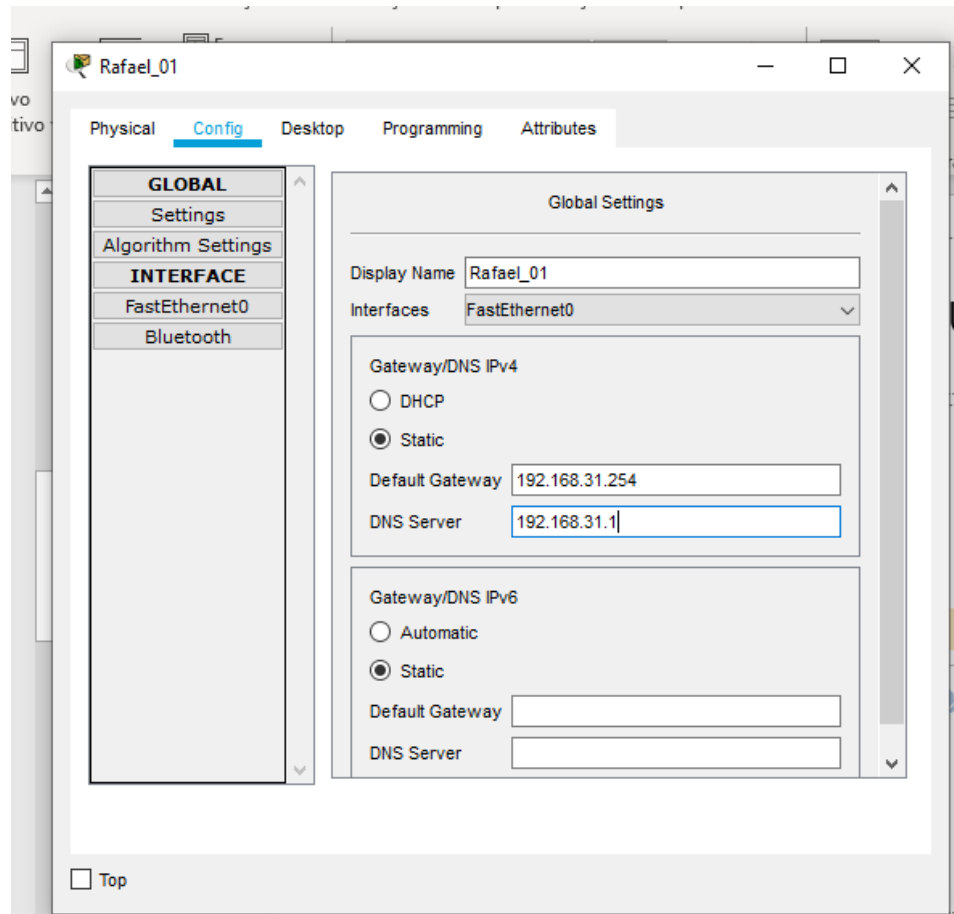
```
Reply from 192.168.31.1: bytes=32 time<1ms TTL=128
```

```
Ping statistics for 192.168.31.1:
```

```
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
```

```
Approximate round trip times in milli-seconds:
```

```
    Minimum = 0ms, Maximum = 0ms, Average = 0ms
```

Rafael_01

Physical **Config** Desktop Programming Attributes

GLOBAL

Settings

Algorithm Settings

INTERFACE

FastEthernet0

Bluetooth

FastEthernet0

Port Status ☒ On

Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 0001.97C9.3683

IP Configuration

☐ DHCP

☒ Static

IPv4 Address 192.168.31.22

Subnet Mask 255.255.255.0

IPv6 Configuration

☐ Automatic

☒ Static

IPv6 Address

Link Local Address: FE80::201:97FF:FEC9:3683

Alves_01

PhysicalConfigDesktopProgrammingAttributes

GLOBAL

Settings

Algorithm Settings

INTERFACE

FastEthernet0

Bluetooth

Global Settings

Display NameAlves_01

InterfacesFastEthernet0

Gateway/DNS IPv4

DHCP

Static

Default Gateway192.168.89.254

DNS Server192.168.89.1

Gateway/DNS IPv6

Automatic

Static

Default Gateway

DNS Server

Top

Alves_01

PhysicalConfigDesktopProgrammingAttributes

GLOBAL

Settings

Algorithm Settings

INTERFACE

FastEthernet0

Bluetooth

FastEthernet0

Port Status

☒ On

Bandwidth

☒ 100 Mbps☐ 10 Mbps

☒ Auto

Duplex

☐ Half Duplex☒ Full Duplex

☒ Auto

MAC Address

0050.0F45.D559

IP Configuration

☐ DHCP☒ Static

IPv4 Address

192.168.89.20

Subnet Mask

255.255.255.0

IPv6 Configuration

☐ Automatic☒ Static

IPv6 Address

Link Local Address

FE80::250:FFF:FE45:D559

☐ Top

DNS_Rafael

Physical

Config

Services

Desktop

Programming

Attributes

GLOBAL

Settings

Algorithm Settings

INTERFACE

FastEthernet0

Global Settings

Display Name

DNS_Rafael

Gateway/DNS IPv4

DHCP

Static

Default Gateway

192.168.220.254

DNS Server

192.168.220.1

Gateway/DNS IPv6

Automatic

Static

Default Gateway

DNS Server

Top

DNS_Rafael

Physical

Config

Services

Desktop

Programming

Attributes

GLOBAL

Settings

Algorithm Settings

INTERFACE

FastEthernet0

FastEthernet0

Port Status

☒ On

Bandwidth

☒ 100 Mbps

☐ 10 Mbps

☒ Auto

Duplex

☐ Half Duplex

☒ Full Duplex

☒ Auto

MAC Address

00D0.D346.7878

IP Configuration

☐ DHCP

☒ Static

IPv4 Address

192.168.220.1

Subnet Mask

255.255.255.0

IPv6 Configuration

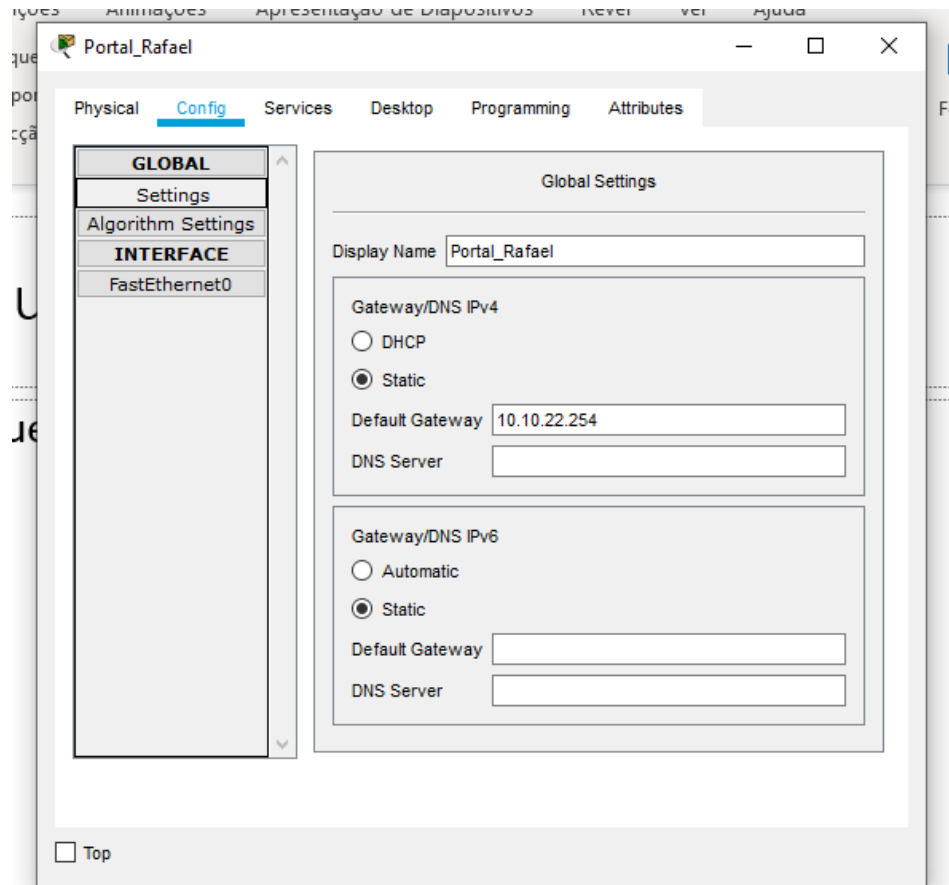
☐ Automatic

☒ Static

IPv6 Address

Link Local Address: FE80::2D0:D3FF:FE46:7878

☐ Top



Portal_Rafael

PhysicalConfigServicesDesktopProgrammingAttributes

GLOBAL

Settings

Algorithm Settings

INTERFACE

FastEthernet0

FastEthernet0

Port Status

☒ On

Bandwidth

☒ 100 Mbps☐ 10 Mbps

☒ Auto

Duplex

☐ Half Duplex☒ Full Duplex

☒ Auto

MAC Address

0002.16E9.0961

IP Configuration

☐ DHCP☒ Static

IPv4 Address

10.10.22.1

Subnet Mask

255.255.255.0

IPv6 Configuration

☐ Automatic☒ Static

IPv6 Address

Link Local Address

FE80::202:16FF:FEE9:961

☐ Top

SMTP_Rafael

Physical

Config

Services

Desktop

Programming

Attributes

GLOBAL

Settings

Algorithm Settings

INTERFACE

FastEthernet0

Global Settings

Display Name

SMTP_Rafael

Gateway/DNS IPv4

DHCP

Static

Default Gateway

10.10.22.254

DNS Server

Gateway/DNS IPv6

Automatic

Static

Default Gateway

DNS Server

Top

SMTP_Rafael

Physical **Config** Services Desktop Programming Attributes

GLOBAL

Settings

Algorithm Settings

INTERFACE

FastEthernet0

FastEthernet0

Port Status ☒ On

Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 000D.BD24.D9D2

IP Configuration

☐ DHCP

☒ Static

IPv4 Address 10.10.22.2

Subnet Mask 255.255.255.0

IPv6 Configuration

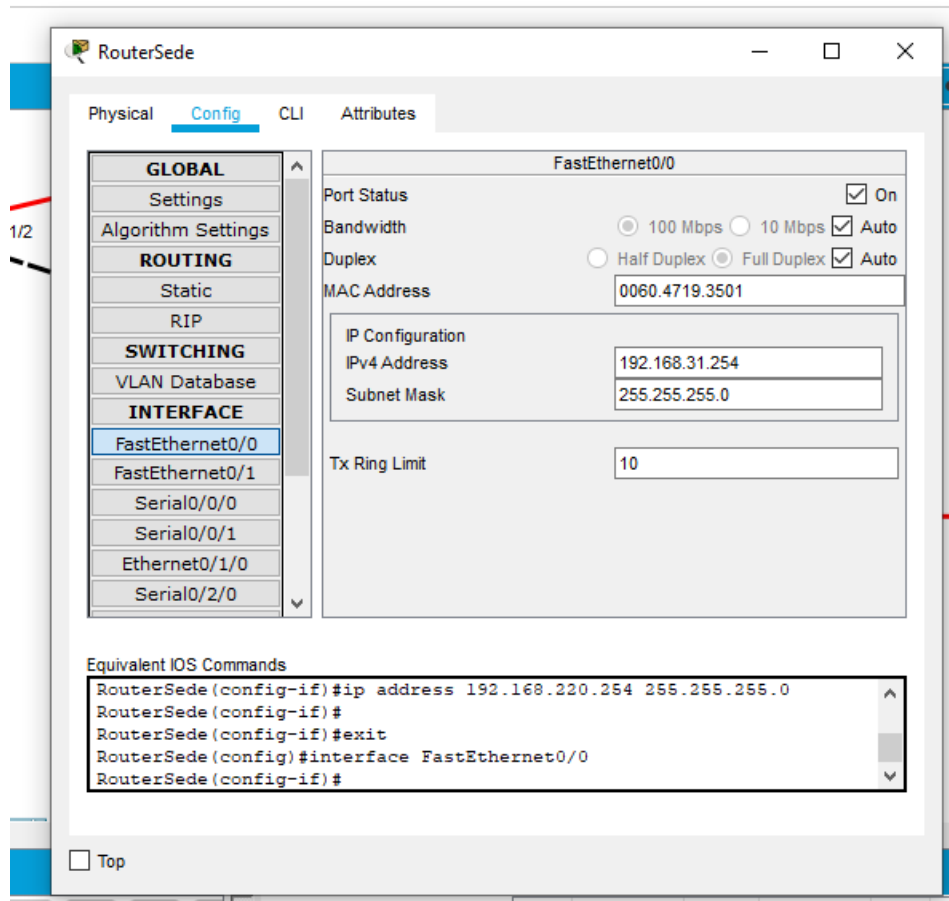
☐ Automatic

☒ Static

IPv6 Address

Link Local Address: FE80::20D:BDFF:FE24:D9D2

☐ Top



RouterSede

Physical

Config

CLI

Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/0

FastEthernet0/1

Serial0/0/0

Serial0/0/1

Ethernet0/1/0

Serial0/2/0

FastEthernet0/1

FastEthernet0/1

Port Status

☒ On

Bandwidth

☒ 100 Mbps

☐ 10 Mbps

☒ Auto

Duplex

☐ Half Duplex

☒ Full Duplex

☒ Auto

MAC Address

0060.4719.3502

IP Configuration

IPv4 Address

192.168.89.254

Subnet Mask

255.255.255.0

Tx Ring Limit

10

Equivalent IOS Commands

RouterSede(config)#interface FastEthernet0/0

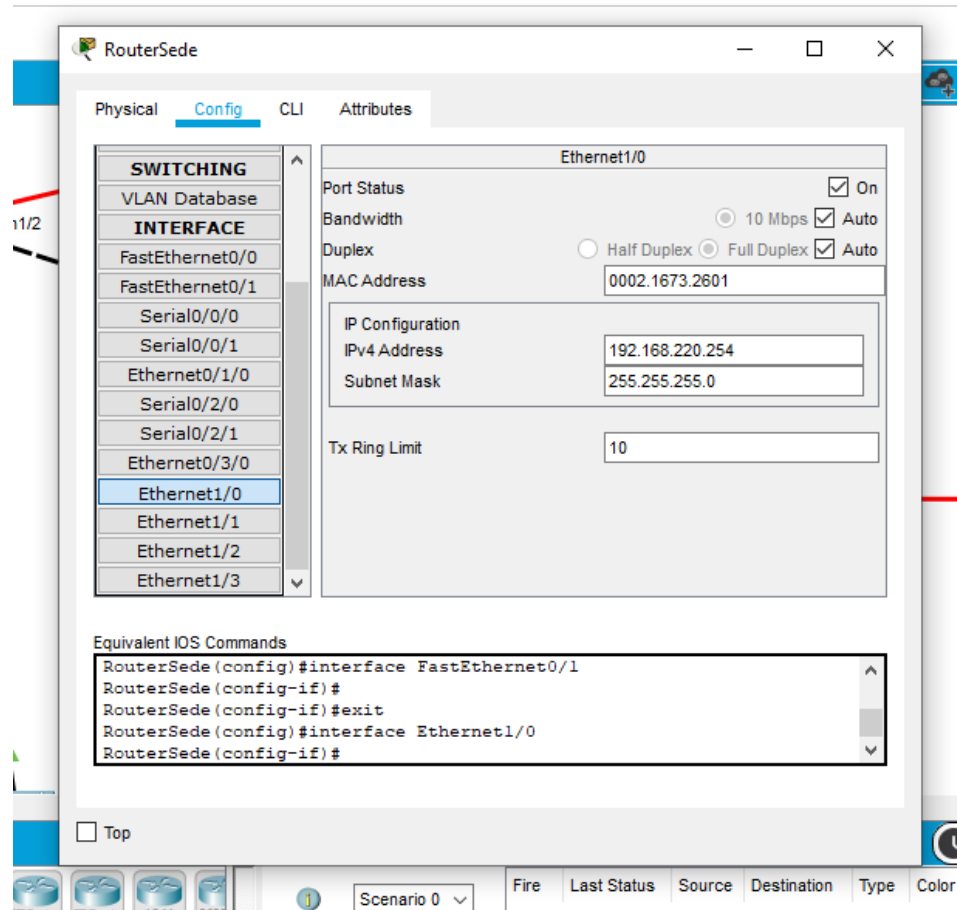
RouterSede(config-if)#

RouterSede(config-if)#exit

RouterSede(config)#interface FastEthernet0/1

RouterSede(config-if)#

☐ Top



RouterSede

Physical

Config

CLI

Attributes

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/0

FastEthernet0/1

Serial0/0/0

Serial0/0/1

Ethernet0/1/0

Serial0/2/0

Serial0/2/1

Ethernet0/3/0

Ethernet1/0

Ethernet1/1

Ethernet1/2

Ethernet1/3

Ethernet1/1

Port Status

☒ On

Bandwidth

10 Mbps

☒ Auto

Duplex

Half Duplex

☒ Full Duplex

☒ Auto

MAC Address

0002.1673.2602

IP Configuration

IPv4 Address

10.10.22.254

Subnet Mask

255.255.255.0

Tx Ring Limit

10

Equivalent IOS Commands

RouterSede(config)#interface Ethernet1/0

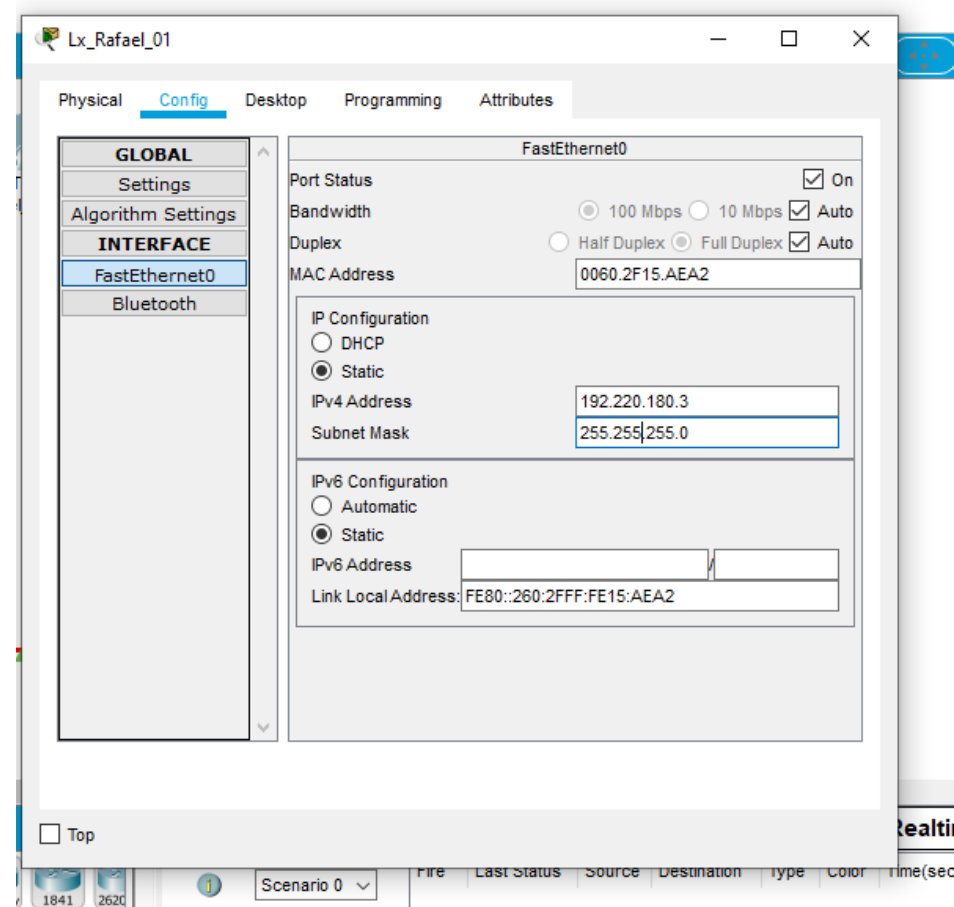
RouterSede(config-if)#

RouterSede(config-if)#exit

RouterSede(config)#interface Ethernet1/1

RouterSede(config-if)#

☐ Top



Lx_Rafael_01

Physical Config Desktop Programming Attributes

GLOBAL

- Settings
- Algorithm Settings

INTERFACE

- FastEthernet0
- Bluetooth

Global Settings

Display Name: Lx_Rafael_01

Interfaces: FastEthernet0

Gateway/DNS IPv4

☐ DHCP

☒ Static

Default Gateway: 192.220.180.254

DNS Server: 192.220.180.1

Gateway/DNS IPv6

☐ Automatic

☒ Static

Default Gateway:

DNS Server:

☐ Top

RouterLisboa

Physical

Config

CLI

Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/0

FastEthernet0/1

Serial0/0/0

Serial0/0/1

Ethernet0/1/0

Serial0/2/0

FastEthernet0/0

FastEthernet0/0

Port Status☒ On

Bandwidth

☒ 100 Mbps

☐ 10 Mbps

☒ Auto

Duplex

☐ Half Duplex

☒ Full Duplex

☒ Auto

MAC Address

00E0.A364.1609

IP Configuration

IPv4 Address

192.220.180.254

Subnet Mask

255.255.255.0

Tx Ring Limit

10

Equivalent IOS Commands

RouterLisboa(config-if)#

RouterLisboa(config-if)#exit

RouterLisboa(config)#interface FastEthernet0/0

RouterLisboa(config-if)#ip address 192.220.180.254 255.255.255.0

RouterLisboa(config-if)#ip address 192.220.180.254 255.255.255.0

☐ Top

Se0/0/0

2811

RISP

ISP

Physical

Config

CLI

Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/0

FastEthernet0/1

Serial0/0/0

Serial0/0/1

Ethernet0/1/0

Serial0/2/0

Serial0/0/0

Serial0/0/0

Port Status

☒ On

Duplex

☐ Full Duplex

Clock Rate

2000000

IP Configuration

IPv4 Address

213.22.1.2

Subnet Mask

255.255.255.248

Tx Ring Limit

10

Equivalent IOS Commands

ISP(config-if)#exit

ISP(config)#interface Serial0/0/0

ISP(config-if)#ip address 213.22.1.2 255.255.255.248

ISP(config-if)#ip address 213.22.1.2 255.255.255.248

ISP(config-if)#

☐ Top

Router

Physical **Config** CLI Attributes

ROUTING

- Static
- RIP

SWITCHING

- VLAN Database

INTERFACE

- FastEthernet0/0
- FastEthernet0/1
- Serial0/0/0
- Serial0/0/1
- Ethernet0/1/0**
- Serial0/2/0
- Serial0/2/1
- Ethernet0/3/0
- Ethernet1/0

Ethernet0/1/0

Port Status ☒ On

Bandwidth ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 0001.C9A0.3B6E

IP Configuration

IPv4 Address 192.168.55.6

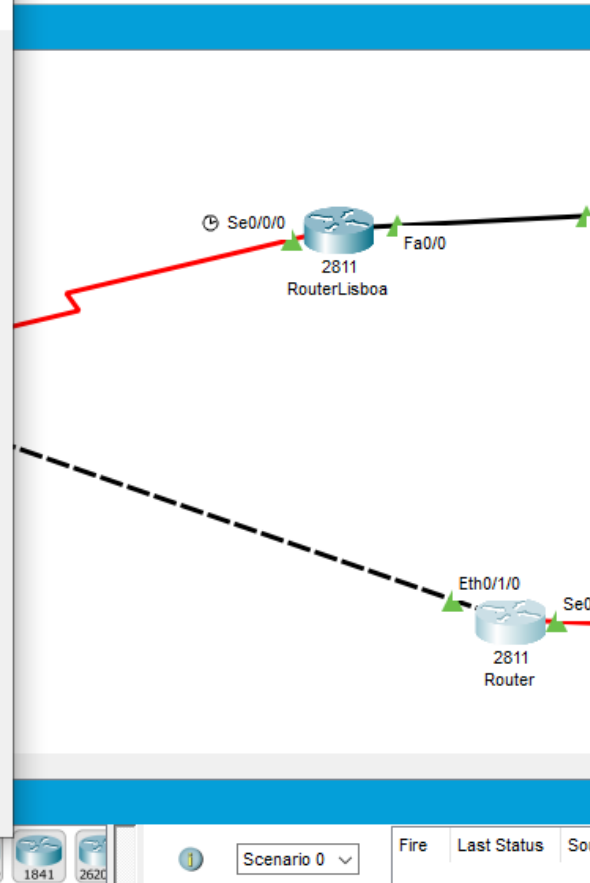
Subnet Mask 255.255.255.252

Tx Ring Limit 10

Equivalent IOS Commands

```
RouterPonte(config)#hostname Router
Router(config)#
Router(config)#interface Ethernet0/1/0
Router(config-if)#ip address 192.168.55.6 255.255.255.252
Router(config-if)#
```

☐ Top



Router

PhysicalConfigCLIAttributes

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/0

FastEthernet0/1

Serial0/0/0

Serial0/0/1

Ethernet0/1/0

Serial0/2/0

Serial0/2/1

Ethernet0/3/0

Ethernet1/0

Serial0/0/0

Port Status

On

Duplex

Full Duplex

Clock Rate

2000000

IP Configuration

IPv4 Address

213.22.1.1

Subnet Mask

255.255.255.248

Tx Ring Limit

10

Equivalent IOS Commands

Router(config-if)#

Router(config-if)#exit

Router(config)#interface Serial0/0/0

Router(config-if)#ip address 213.22.1.1 255.255.255.248

Router(config-if)#

Top

RouterSede

PhysicalConfigCLIAttributes

Static

RIP

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/0

FastEthernet0/1

Serial0/0/0

Serial0/0/1

Ethernet0/1/0

Serial0/2/0

Serial0/2/1

Ethernet0/3/0

Ethernet1/0

Ethernet1/1

Serial0/0/0

Port Status

☒ On

Duplex

☐ Full Duplex

Clock Rate

2000000

IP Configuration

IPv4 Address

192.168.55.1

Subnet Mask

255.255.255.252

Tx Ring Limit

10

Equivalent IOS Commands

RouterSede(config-if)#
RouterSede(config-if)#exit
RouterSede(config)#interface Serial0/0/0
RouterSede(config-if)#ip address 192.168.55.1 255.255.255.252
RouterSede(config-if)#

☐ Top

RouterSede

Physical

Config

CLI

Attributes

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/0

FastEthernet0/1

Serial0/0/0

Serial0/0/1

Ethernet0/1/0

Serial0/2/0

Serial0/2/1

Ethernet0/3/0

Ethernet1/0

Ethernet1/1

Ethernet1/2

Ethernet1/3

Ethernet1/2

Ethernet1/2

Port Status

☒ On

Bandwidth

10 Mbps

☒ Auto

Duplex

Half Duplex

☒ Full Duplex

☒ Auto

MAC Address

0002.1673.2603

IP Configuration

IPv4 Address

192.168.55.5

Subnet Mask

255.255.255.252

Tx Ring Limit

10

Equivalent IOS Commands

RouterSede(config-if)#ip address 192.168.55.1 255.255.255.252

RouterSede(config-if)#

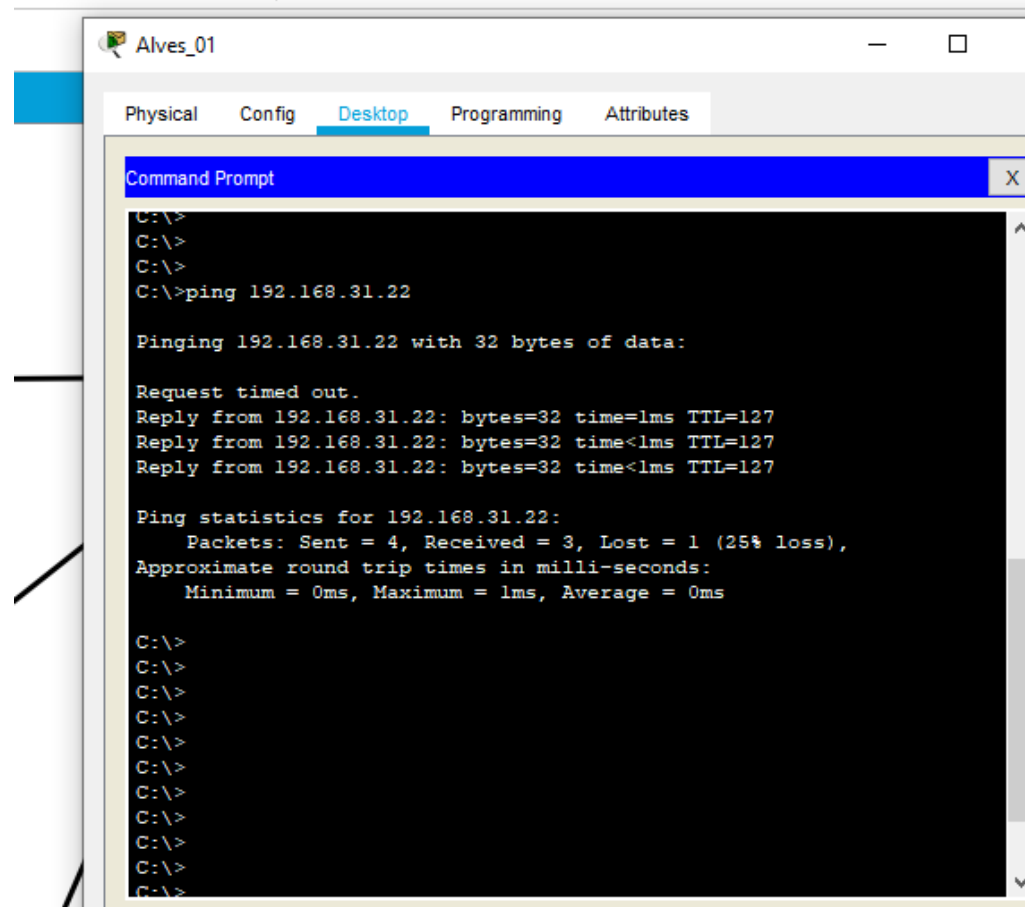
RouterSede(config-if)#exit

RouterSede(config)#interface Ethernet1/2

RouterSede(config-if)#

Top

Conectividade lan 2 , lan 1



The image shows a screenshot of a network configuration window titled 'Alves_01' with tabs for Physical, Config, Desktop, Programming, and Attributes. The 'Desktop' tab is selected. Overlaid on this is a 'Command Prompt' window. The command prompt shows the execution of a ping command to the IP address 192.168.31.22. The output indicates that the first ping request timed out, while the subsequent three succeeded with a time of 1ms and TTL of 127. The ping statistics show 4 packets sent, 3 received, and 1 lost (25% loss), with round trip times of 0ms.

```
C:\>
C:\>
C:\>
C:\>ping 192.168.31.22

Pinging 192.168.31.22 with 32 bytes of data:

Request timed out.
Reply from 192.168.31.22: bytes=32 time=1ms TTL=127
Reply from 192.168.31.22: bytes=32 time<1ms TTL=127
Reply from 192.168.31.22: bytes=32 time<1ms TTL=127

Ping statistics for 192.168.31.22:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
```