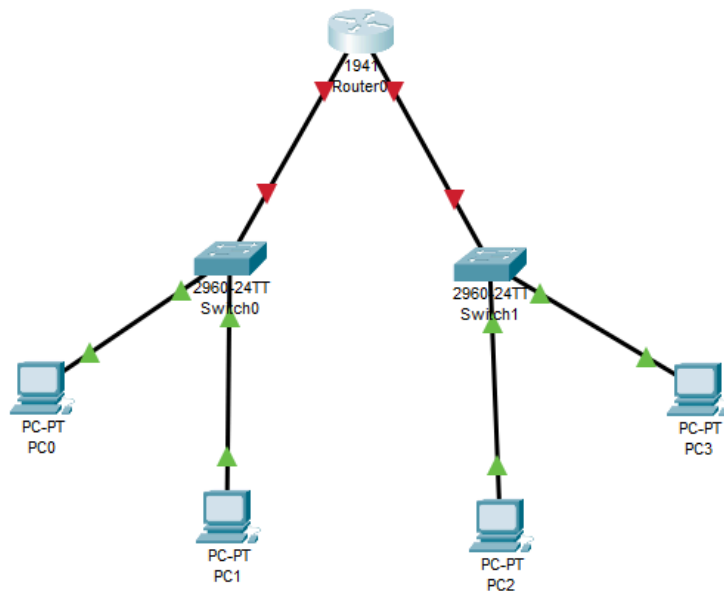**Configuração inicial**

- Dispositivos
- Router0
- Swtich0 e Switch1
- PC0, PC1, PC2, PC3

Todos em seus estados básicos de configuração

Definindo endereços IP
Router>en
Router#conf t

Router0 - GigabitEthernet 0/0
interface gigabitEthernet 0/0
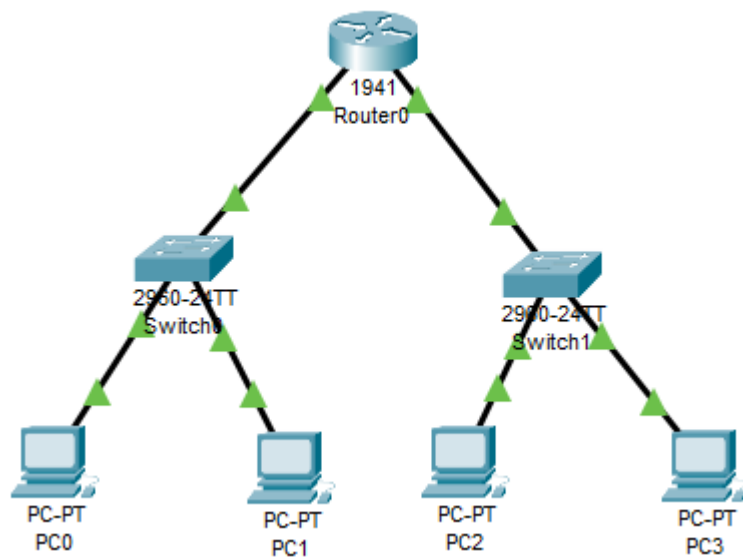ip address 192.168.1.1 255.255.255.0
no shutdown

Router0 - GigabitEthernet 0/1
interface gigabitEthernet 0/1
ip address 192.168.2.1 255.255.255.0
no shutdown
end

Atribuindo endereços IP aos computadores

PC0

Physical	Config	Desktop	Programming	Attributes

IP Configuration X

Interface — FastEthernet0

IP Configuration

○ DHCP   ● Static

IPv4 Address   192.168.1.10

Subnet Mask   255.255.255.0

Default Gateway 192.168.1.1

DNS Server   0.0.0.0

IPv6 Configuration

PC1

Physical	Config	Desktop	Programming	Attributes

IP Configuration X

Interface — FastEthernet0

IP Configuration

○ DHCP   ● Static

IPv4 Address   192.168.1.20

Subnet Mask   255.255.255.0

Default Gateway 192.168.1.1

DNS Server   0.0.0.0

PC2 — □ ×

Physical   Config   Desktop   Programming   Attributes

IP Configuration   X

Interface   FastEthernet0   ⌄

IP Configuration

○ DHCP   ◉ Static

IPv4 Address   192.168.2.10

Subnet Mask   255.255.255.0

Default Gateway   192.168.2.1

DNS Server   0.0.0.0

PC3 — □ ×

Physical   Config   Desktop   Programming   Attributes

IP Configuration   X

Interface   FastEthernet0   ⌄

IP Configuration

○ DHCP   ◉ Static
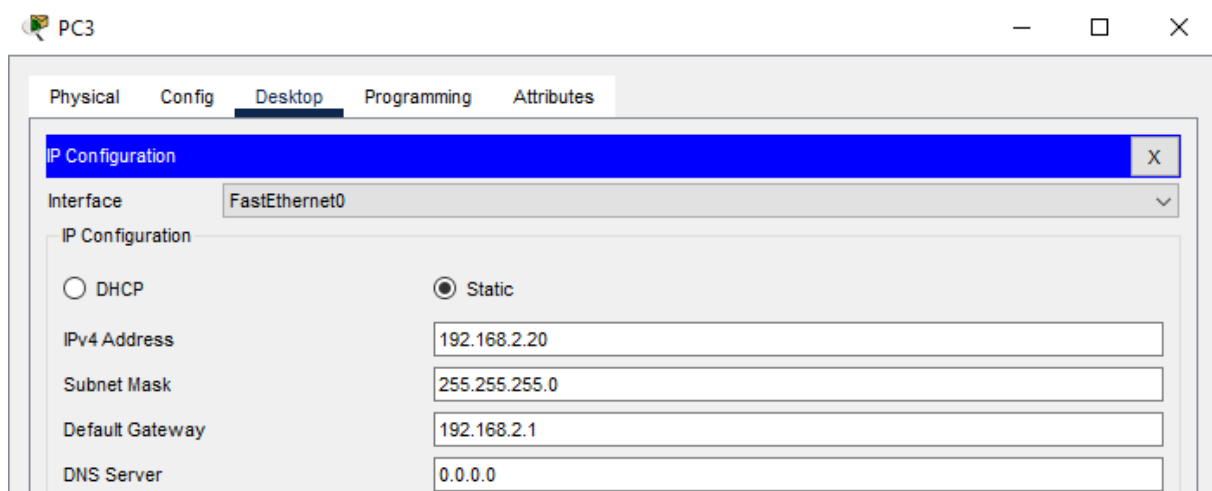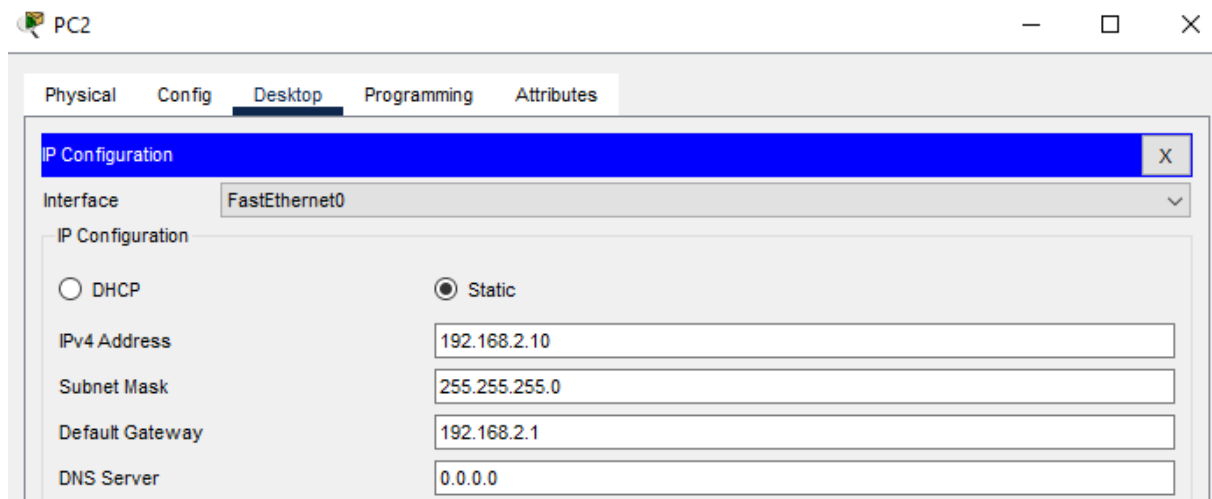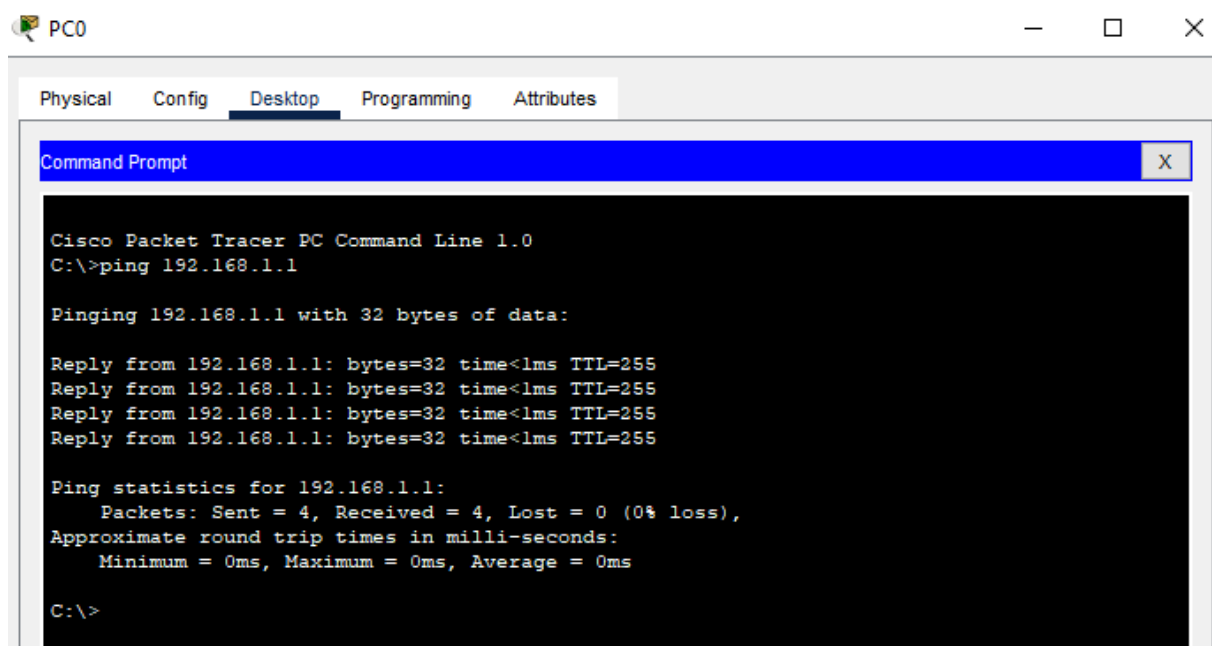
IPv4 Address   192.168.2.20

Subnet Mask   255.255.255.0

Default Gateway   192.168.2.1

DNS Server   0.0.0.0

Verificando atividade de rede nos computadores

PC0 — □ ×

Physical   Config   Desktop   Programming   Attributes

Command Prompt   X

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.1

Pinging 192.168.1.1 with 32 bytes of data:

Reply from 192.168.1.1: bytes=32 time<1ms TTL=255
Reply from 192.168.1.1: bytes=32 time<1ms TTL=255
Reply from 192.168.1.1: bytes=32 time<1ms TTL=255
Reply from 192.168.1.1: bytes=32 time<1ms TTL=255

Ping statistics for 192.168.1.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>
```

PC1   — □ ✕

Physical   Config   Desktop   Programming   Attributes

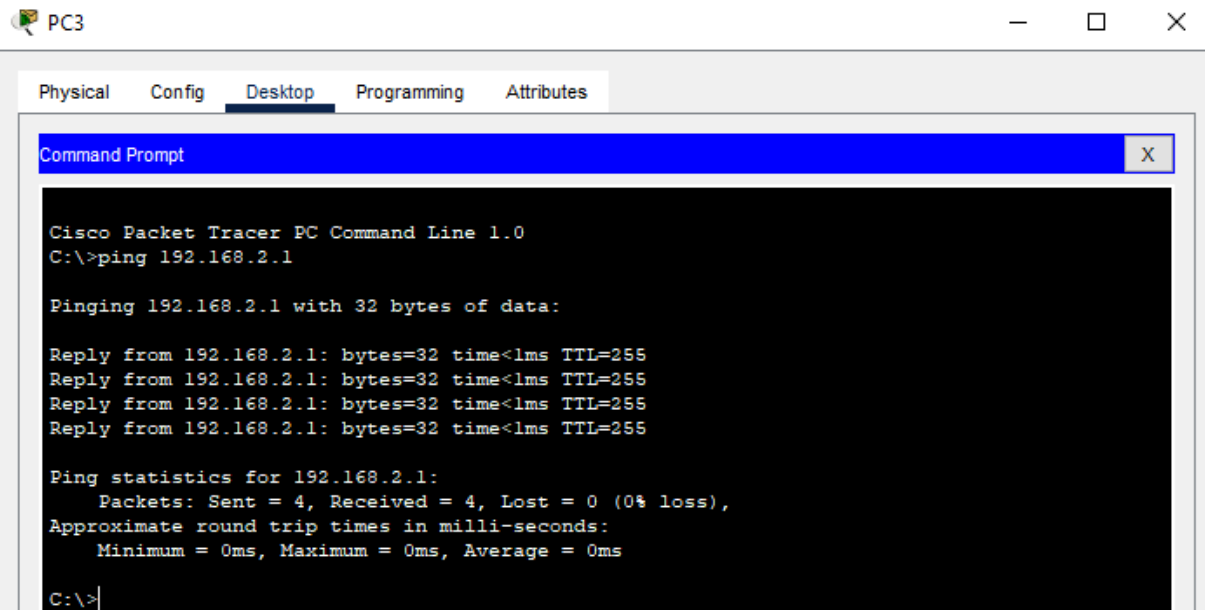Command Prompt   X

Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.1

Pinging 192.168.1.1 with 32 bytes of data:

Reply from 192.168.1.1: bytes=32 time<1ms TTL=255
Reply from 192.168.1.1: bytes=32 time<1ms TTL=255
Reply from 192.168.1.1: bytes=32 time<1ms TTL=255
Reply from 192.168.1.1: bytes=32 time<1ms TTL=255

Ping statistics for 192.168.1.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>

PC2   — □ ✕

Physical   Config   Desktop   Programming   Attributes

Command Prompt   X

Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.2.1

Pinging 192.168.2.1 with 32 bytes of data:

Reply from 192.168.2.1: bytes=32 time<1ms TTL=255
Reply from 192.168.2.1: bytes=32 time<1ms TTL=255
Reply from 192.168.2.1: bytes=32 time<1ms TTL=255
Reply from 192.168.2.1: bytes=32 time<1ms TTL=255

Ping statistics for 192.168.2.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>

Verificando conexão com outras redes através de PC0