

**INSTITUTO FEDERAL DE EDUCAÇÃO, CIÊNCIA E TECNOLOGIA DE  
MINAS GERAIS**

**CAMPUS SABARÁ**

**BACHARELADO EM SISTEMAS DE INFORMAÇÃO**

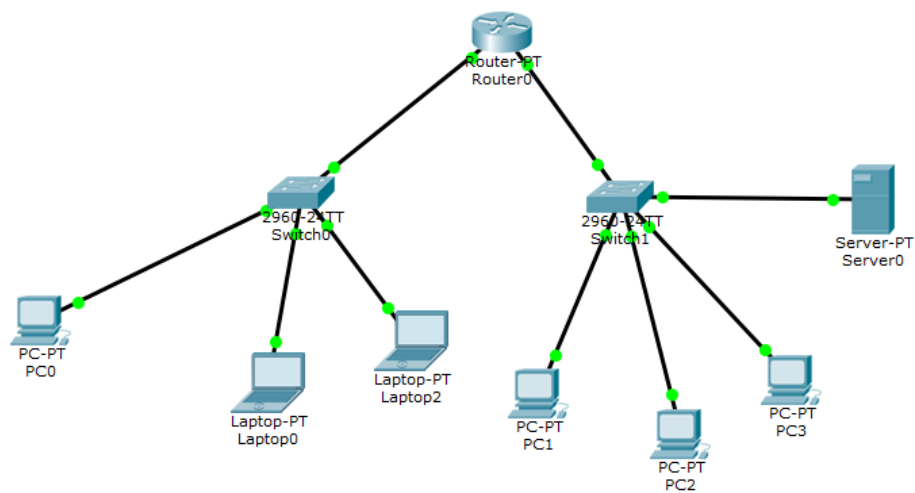
**Disciplina:** Redes de Computadores II

**Professor:** Renato

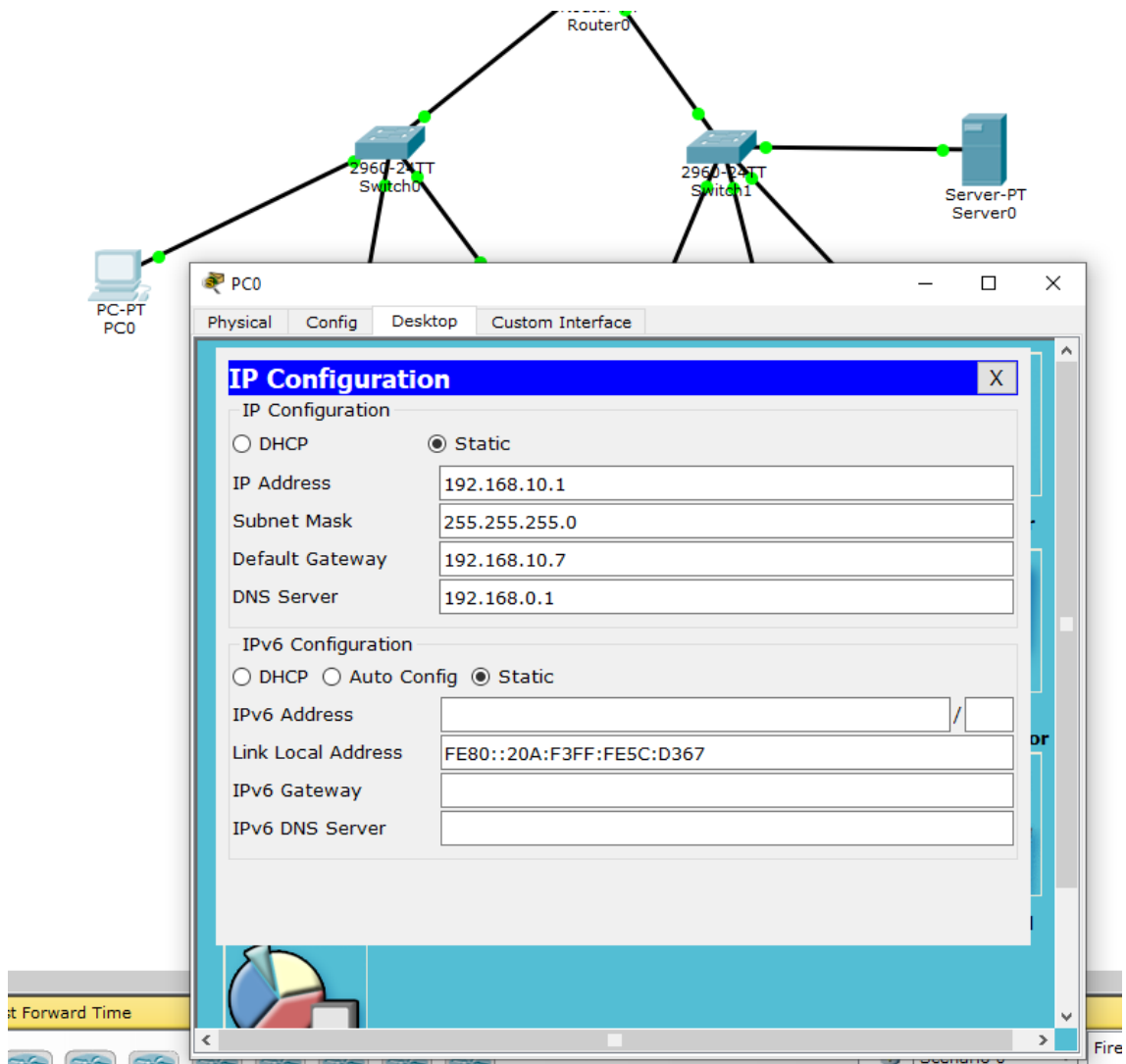
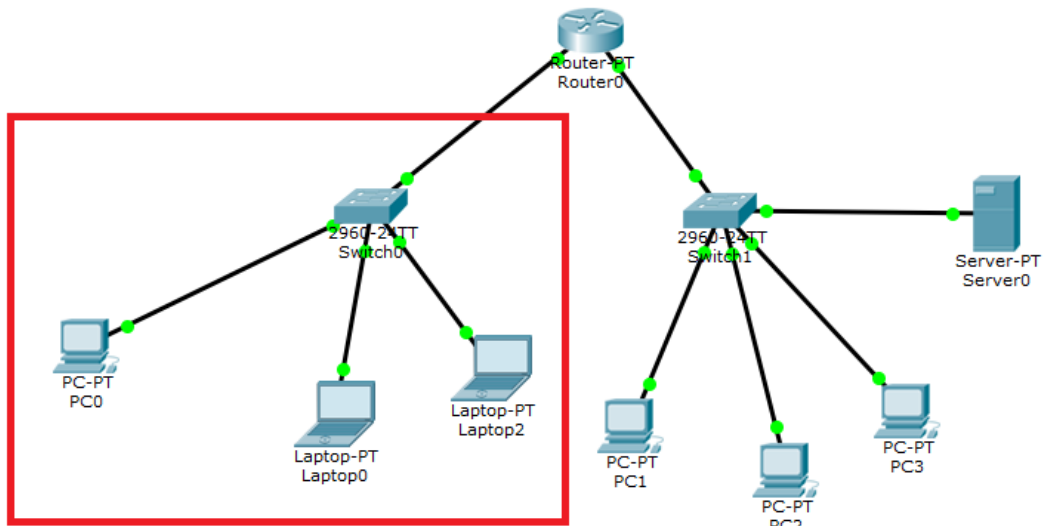
**Aluna:** Julia Kalazans Lucidi Milholo

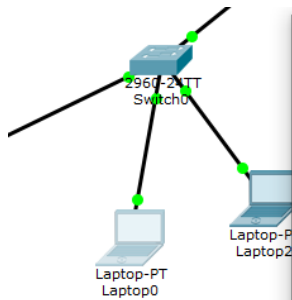
**Trabalho Prático II**

**1.**



Rede do lado esquerdo:





Laptop0

Physical Config Desktop Custom Interface

### IP Configuration

IP Configuration

☐ DHCP ☒ Static

IP Address: 192.168.10.2

Subnet Mask: 255.255.255.0

Default Gateway: 192.168.10.7

DNS Server: 192.168.0.1

IPv6 Configuration

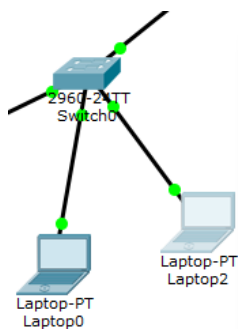
☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address: /

Link Local Address: FE80::204:9AFF:FE88:BD30

IPv6 Gateway:

IPv6 DNS Server:



Laptop2

Physical Config Desktop Custom Interface

### IP Configuration

IP Configuration

☐ DHCP ☒ Static

IP Address: 192.168.10.8

Subnet Mask: 255.255.255.0

Default Gateway: 192.168.10.7

DNS Server: 192.168.0.1

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

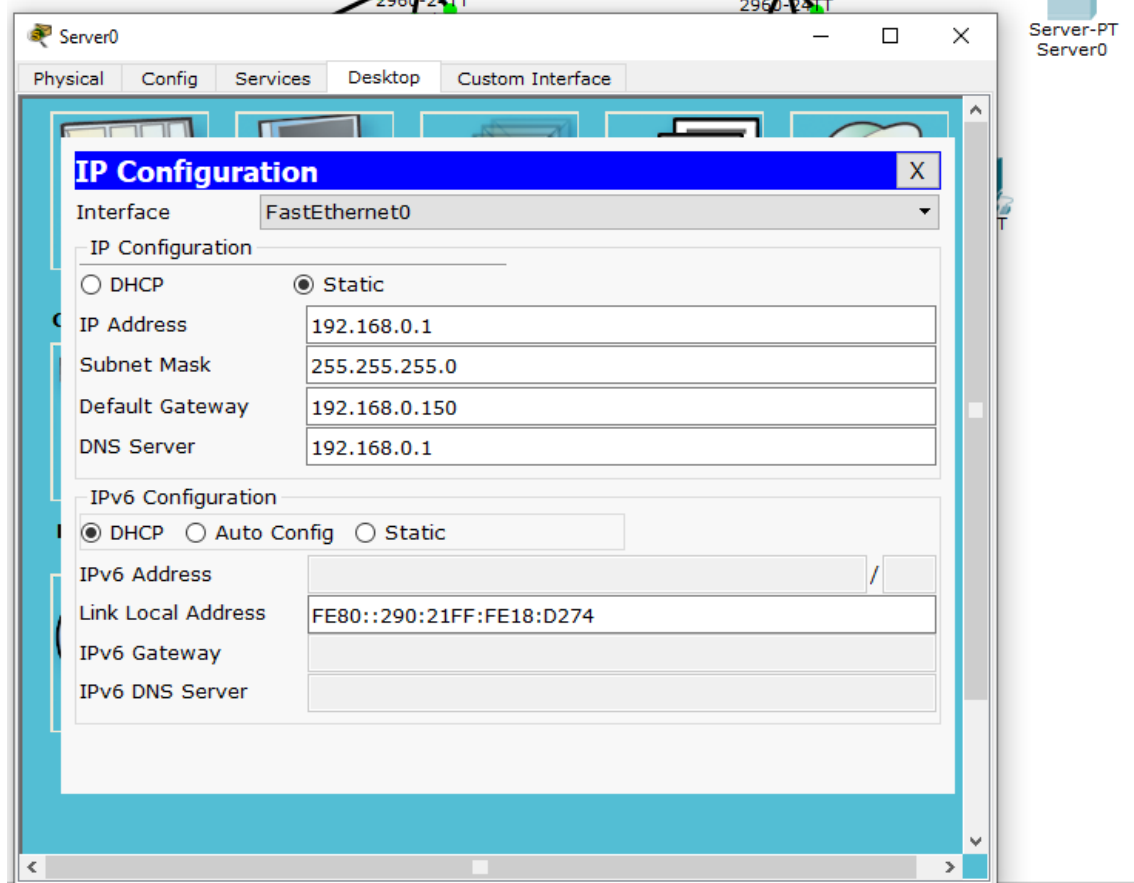
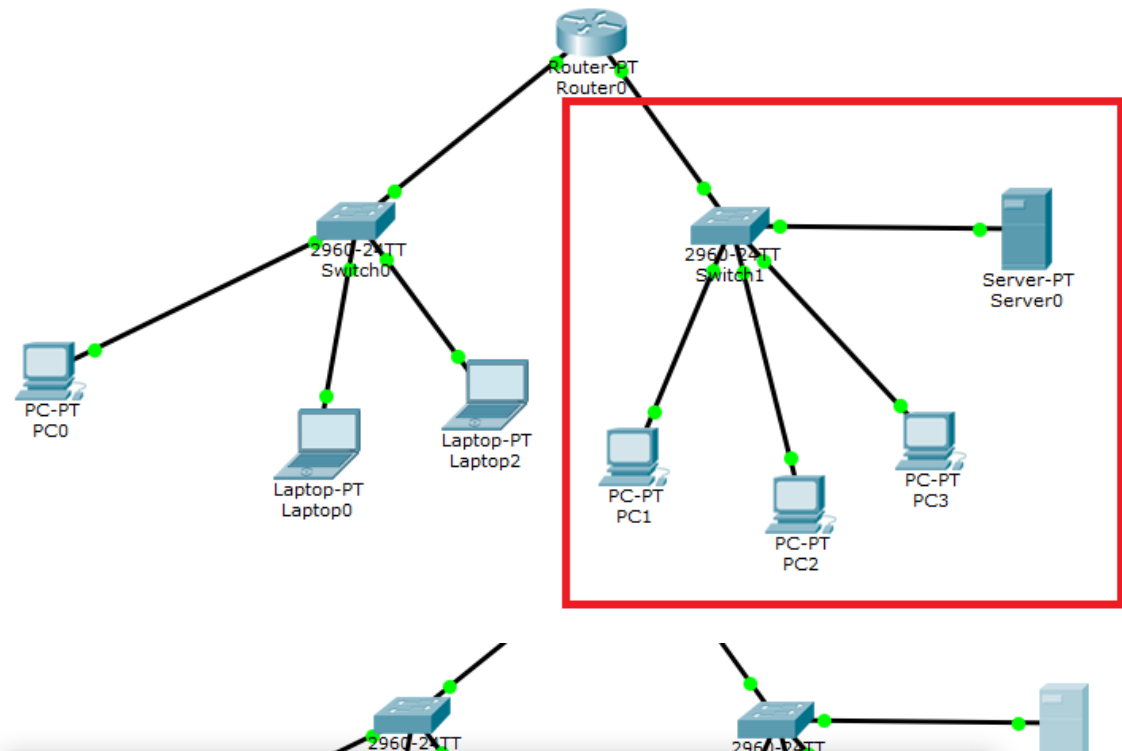
IPv6 Address: /

Link Local Address: FE80::290:2BFF:FE4A:2E37

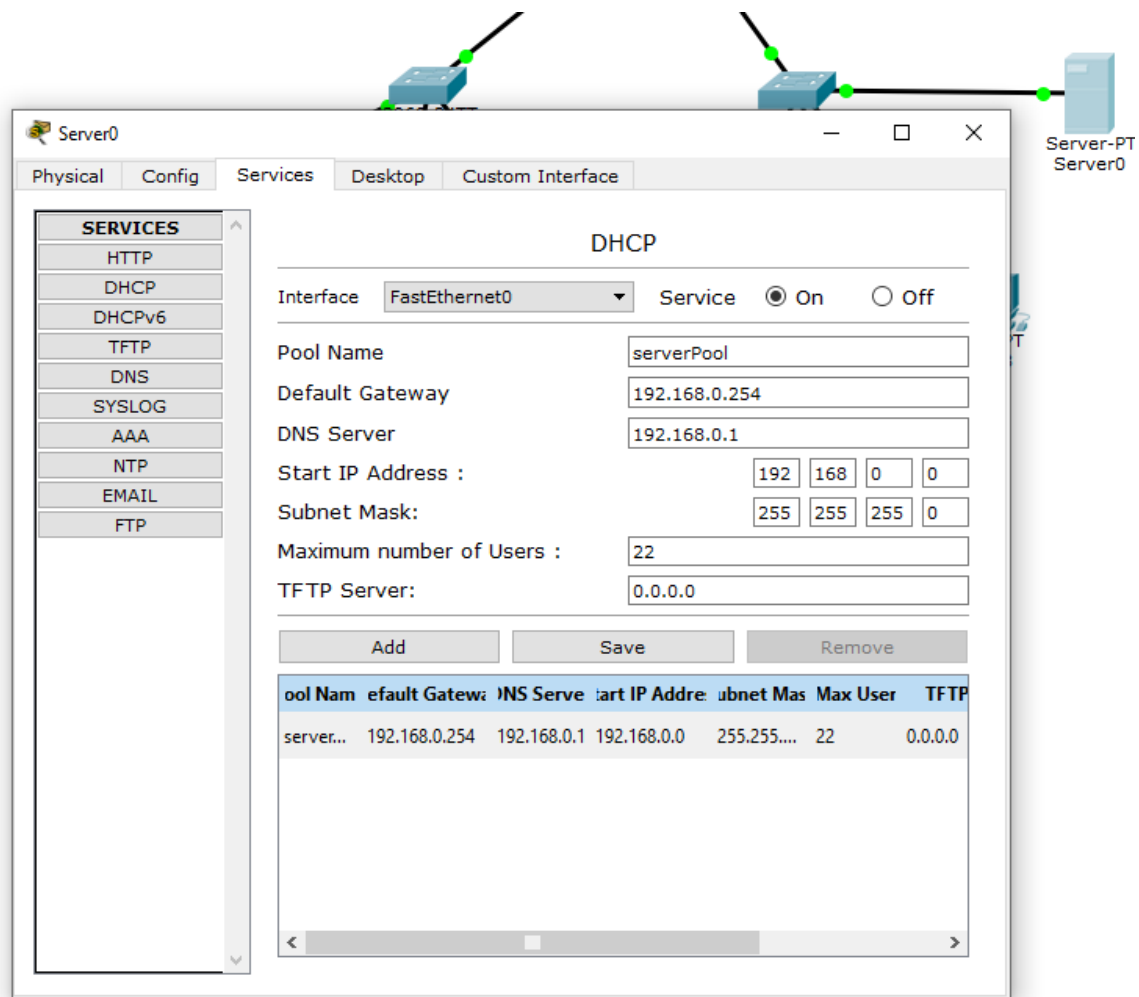
IPv6 Gateway:

IPv6 DNS Server:

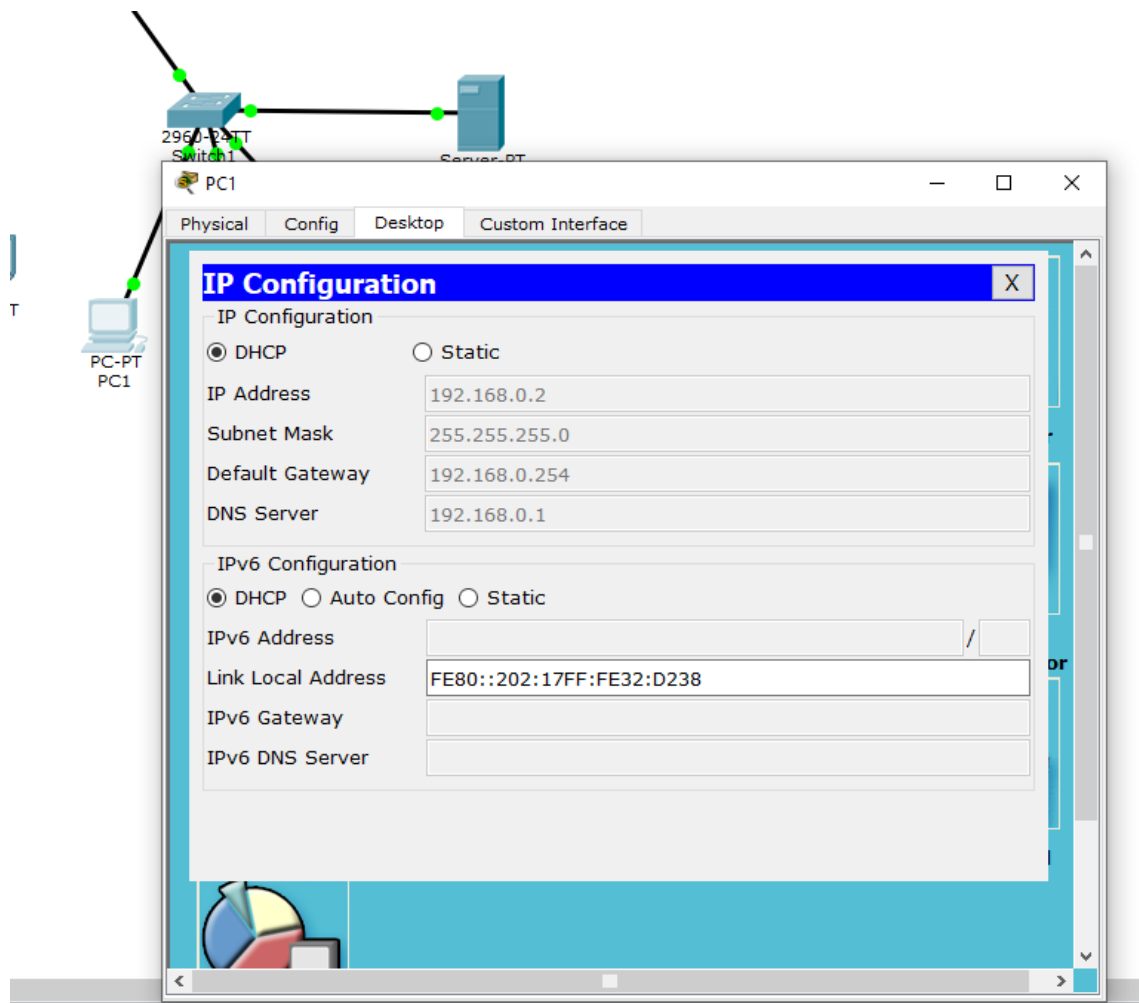
## 2. Rede do lado direito:

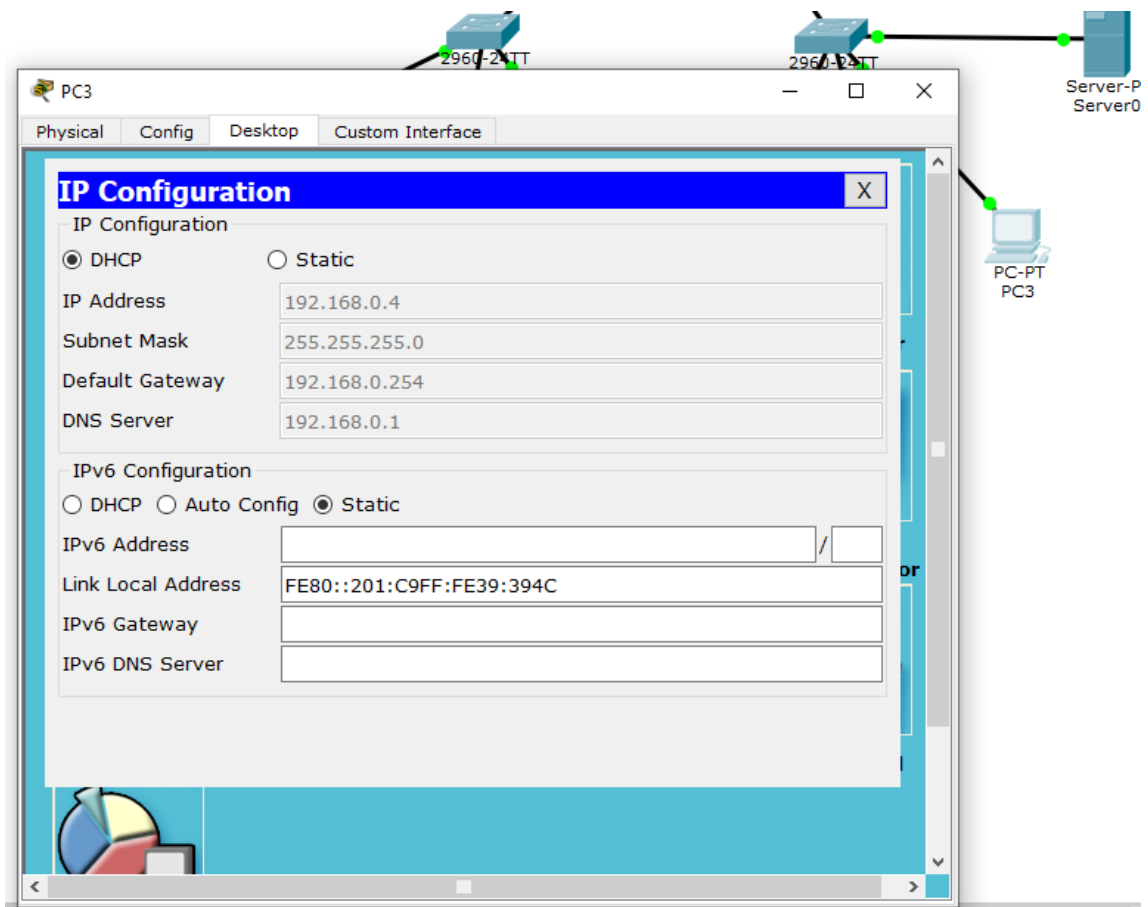
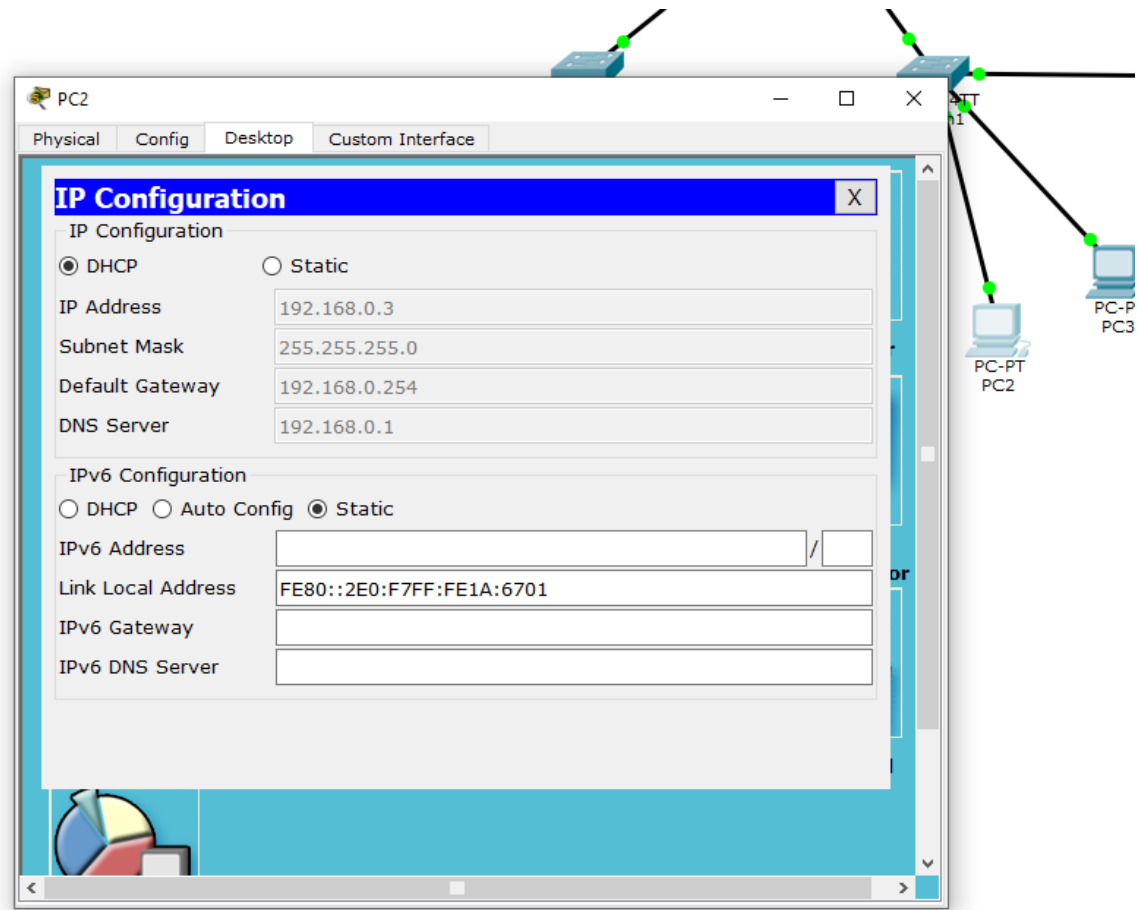


## 3.



4.

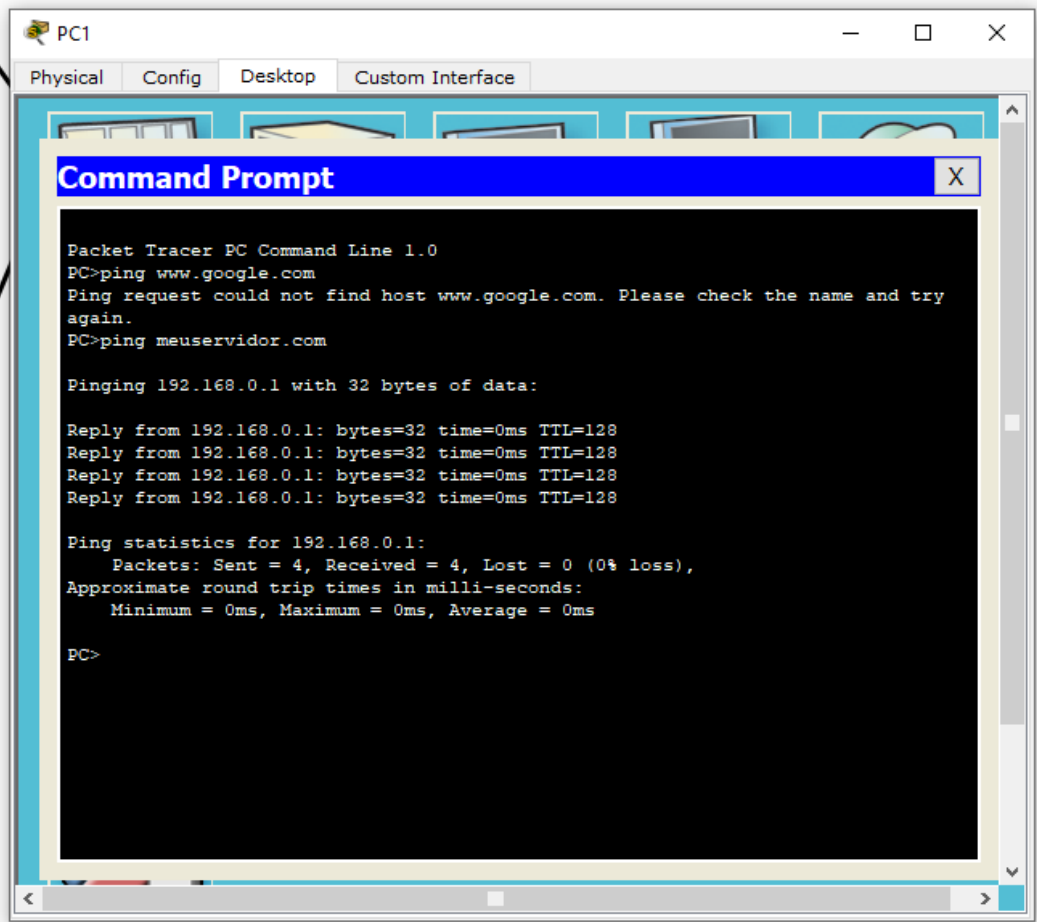




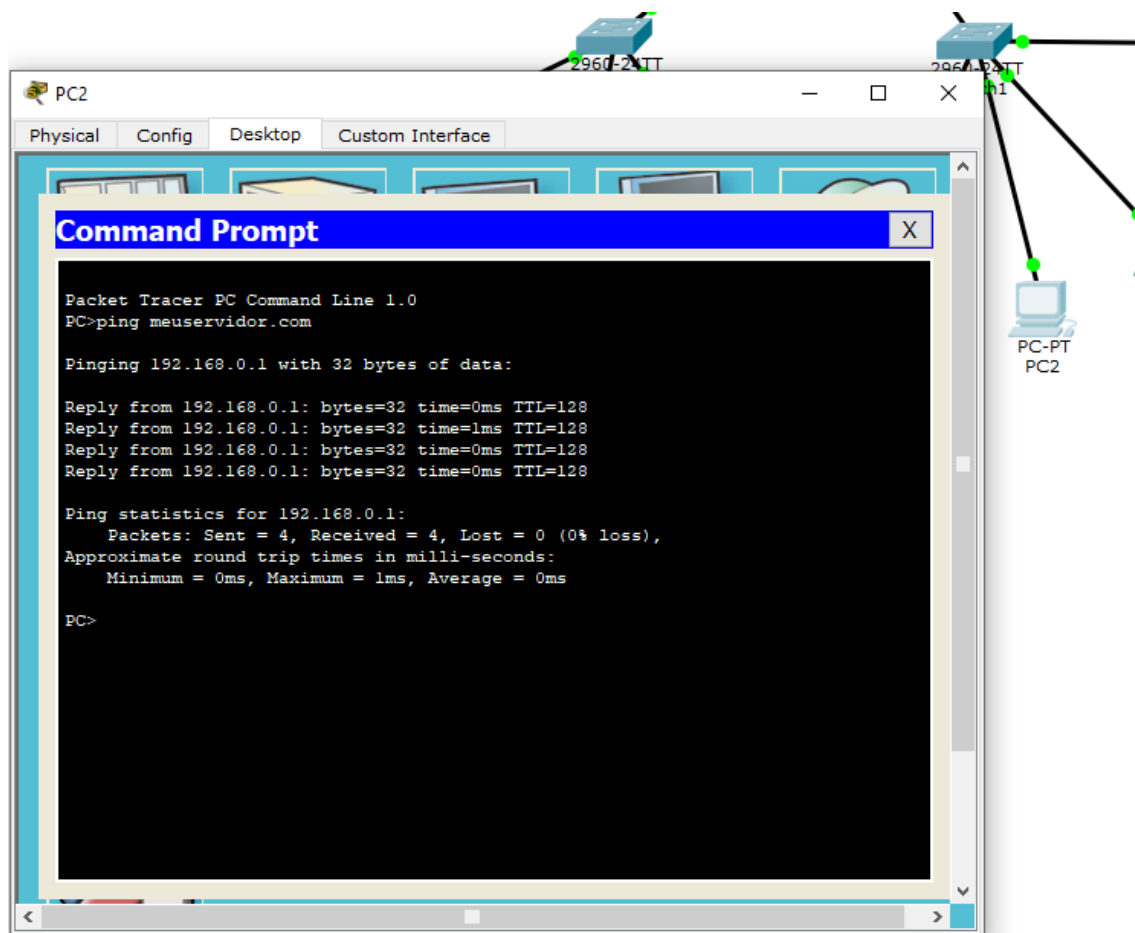
5.

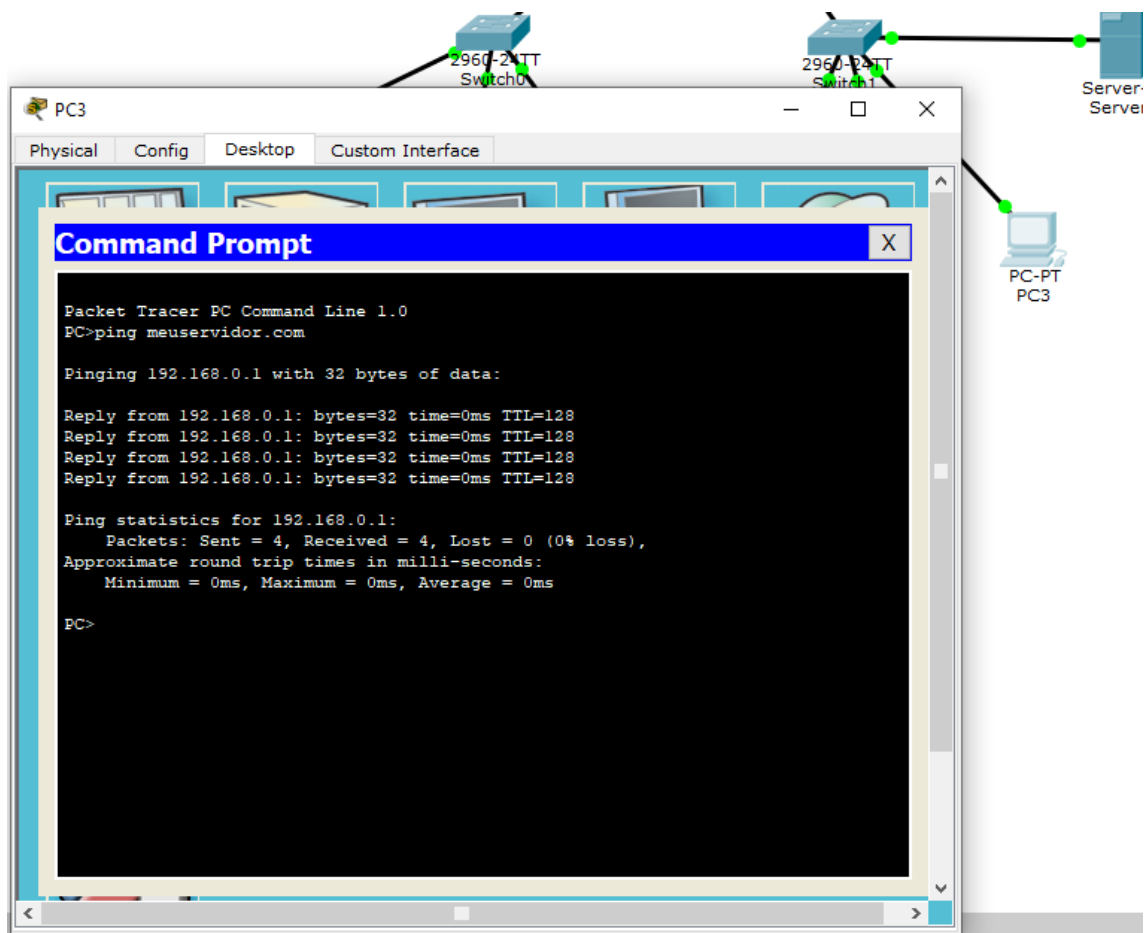
er-PT  
ter0

PC-PT  
PC1









6.

The screenshot shows the configuration window for 'Server0'. The 'Services' tab is selected, and the 'DNS' service is configured. The 'DNS Service' is set to 'On'. Under 'Resource Records', a table lists one record: 'meuservidor.com' of type 'A Record' with the address '192.168.0.1'. The 'DNS Cache' section is visible at the bottom.

**Server0**

Physical Config **Services** Desktop Custom Interface

**SERVICES**

- HTTP
- DHCP
- DHCPv6
- TFTP
- DNS**
- SYSLOG
- AAA
- NTP
- EMAIL
- FTP

**DNS**

DNS Service ☒ On ☐ Off

Resource Records

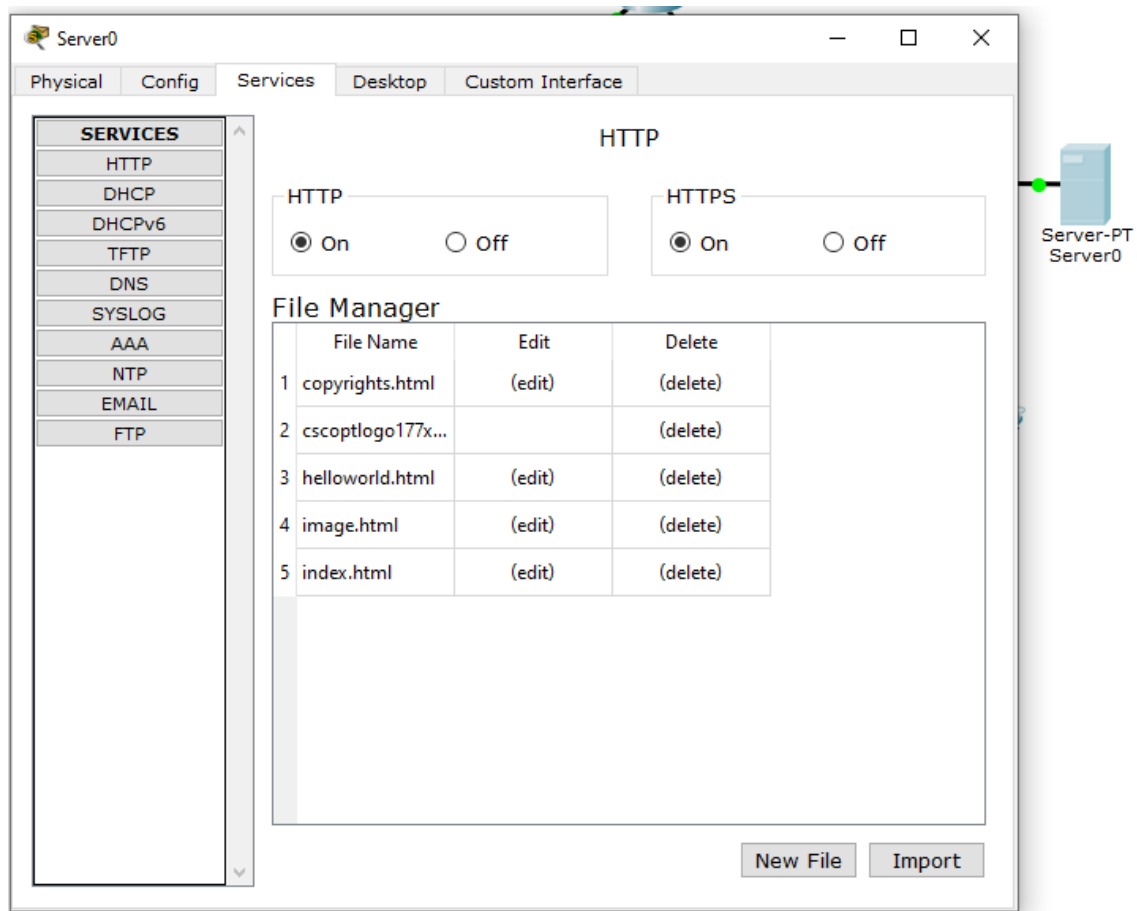
Name  Type **A Record**

Address

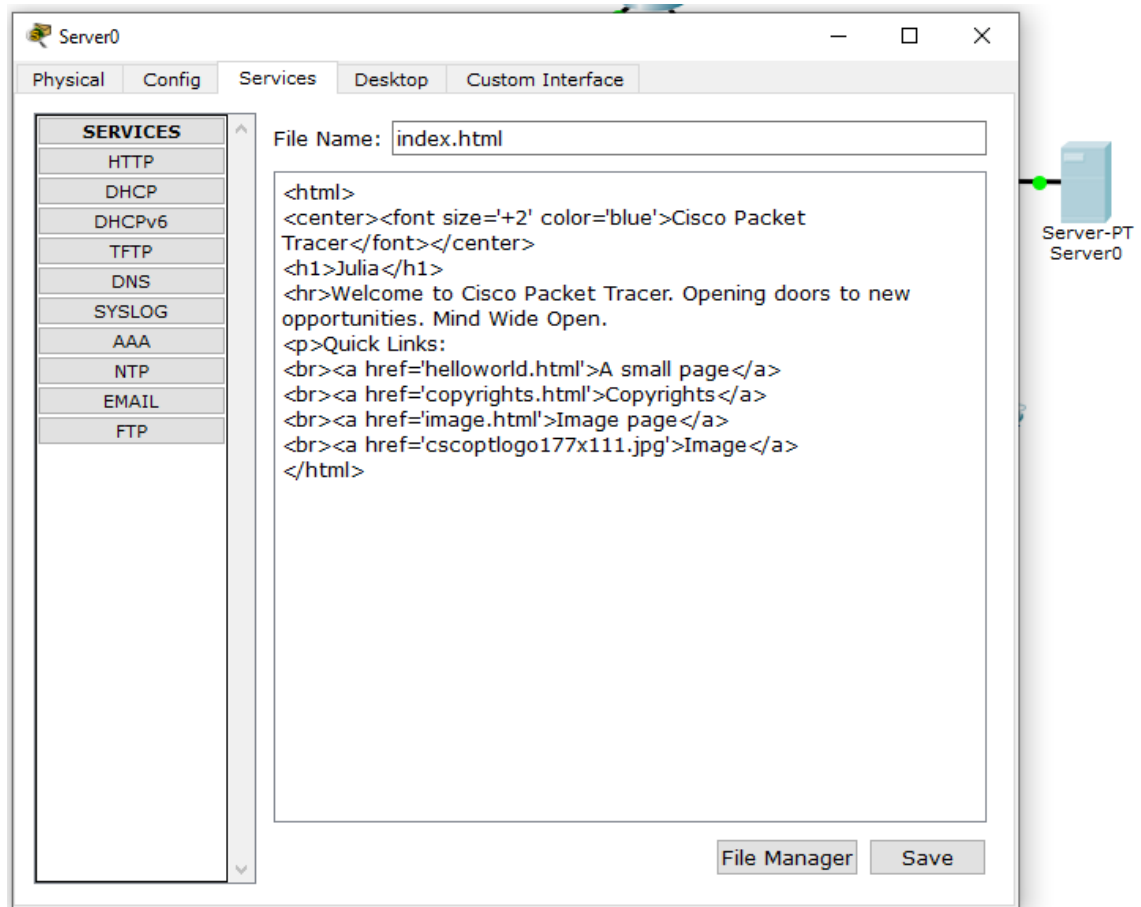
No.	Name	Type	Detail
0	meuservidor.com	A Record	192.168.0.1

Server-PT  
Server0

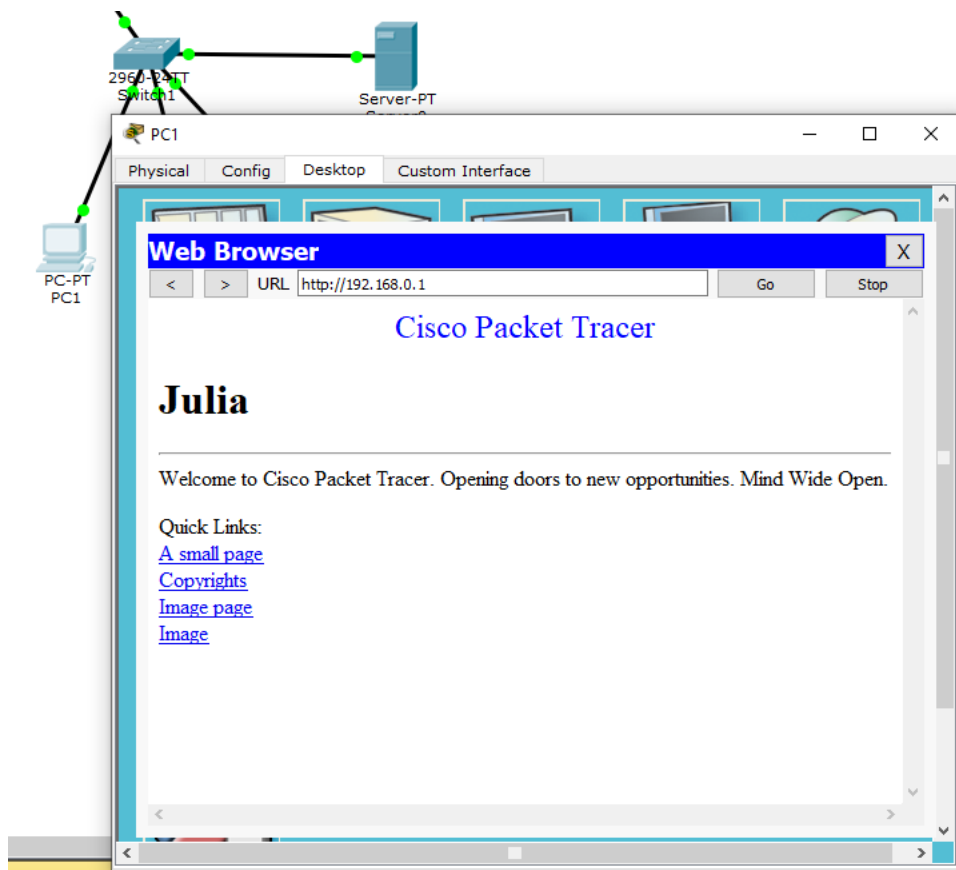
a)



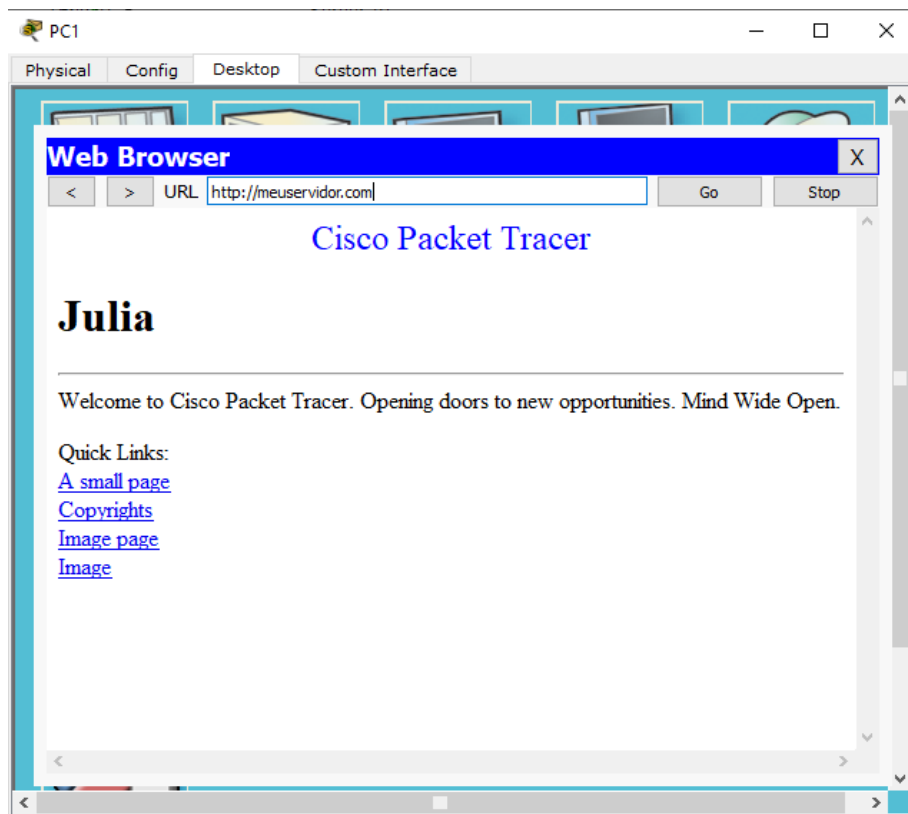
b)



c)



d)



9.

Router0

Physical Config CLI

**GLOBAL**

Settings

Algorithm Settings

**ROUTING**

Static

RIP

**INTERFACE**

FastEthernet0/0

FastEthernet1/0

Serial2/0

Serial3/0

FastEthernet4/0

FastEthernet5/0

**FastEthernet0/0**

Port Status ☒ On

Bandwidth ☐ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 0001.4293.6641

IP Configuration

IP Address 192.168.10.7

Subnet Mask 255.255.255.0

Tx Ring Limit 10

Equivalent IOS Commands

```
Router0>enable
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#
```

Router0

Physical Config CLI

**GLOBAL**

Settings

Algorithm Settings

**ROUTING**

Static

RIP

**INTERFACE**

FastEthernet0/0

FastEthernet1/0

Serial2/0

Serial3/0

FastEthernet4/0

FastEthernet5/0

**FastEthernet1/0**

Port Status ☒ On

Bandwidth ☐ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 00D0.D390.28E7

IP Configuration

IP Address 192.168.0.150

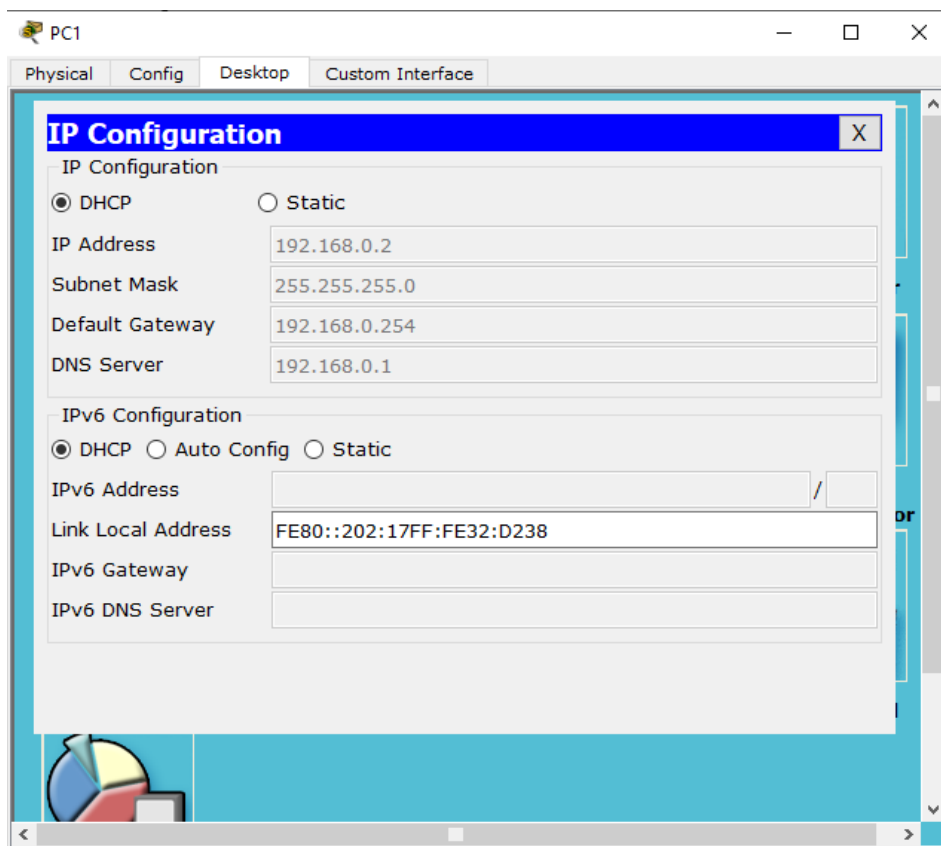
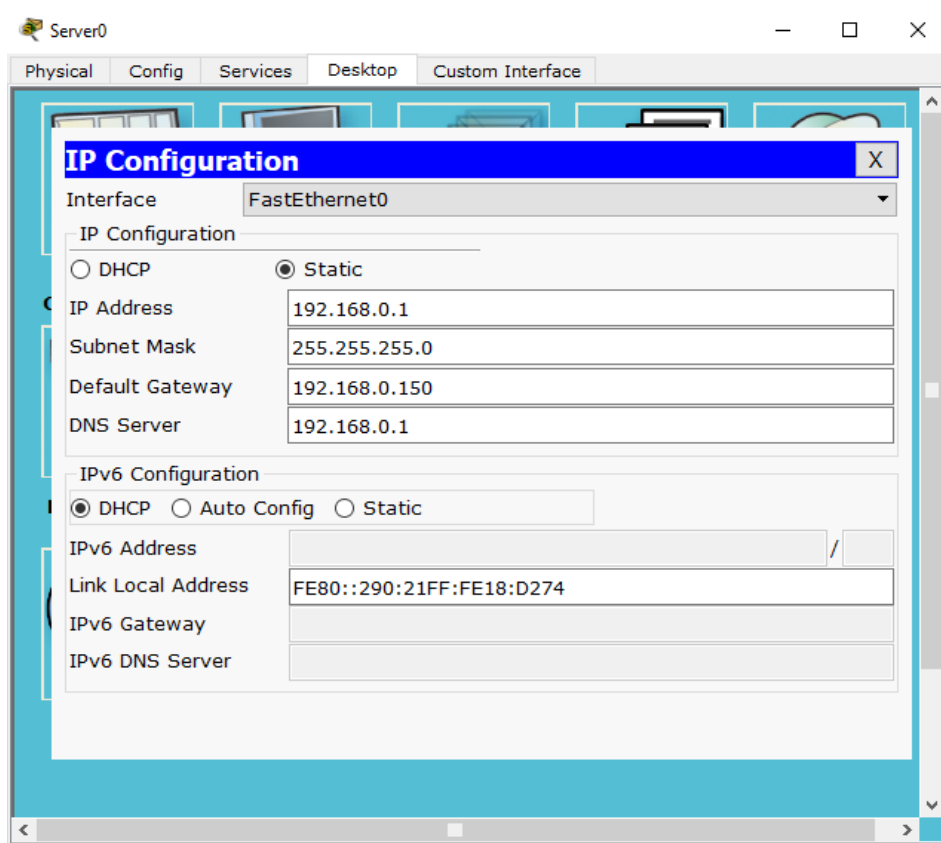
Subnet Mask 255.255.255.0

Tx Ring Limit 10

Equivalent IOS Commands

```
Router(config-if)#exit
Router(config)#interface FastEthernet1/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet1/0
Router(config-if)#
```

10.





PC2

Physical Config Desktop Custom Interface

### IP Configuration

IP Configuration

☒ DHCP ☐ Static

IP Address: 192.168.0.3

Subnet Mask: 255.255.255.0

Default Gateway: 192.168.0.254

DNS Server: 192.168.0.1

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address: /

Link Local Address: FE80::2E0:F7FF:FE1A:6701

IPv6 Gateway:

IPv6 DNS Server:

PC3

Physical Config Desktop Custom Interface

### IP Configuration

IP Configuration

☒ DHCP ☐ Static

IP Address: 192.168.0.4

Subnet Mask: 255.255.255.0

Default Gateway: 192.168.0.254

DNS Server: 192.168.0.1

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address: /

Link Local Address: FE80::201:C9FF:FE39:394C

IPv6 Gateway:

IPv6 DNS Server:

11.

The screenshot shows the 'Server0' configuration window with the 'Services' tab selected. On the left, a 'SERVICES' list includes HTTP, DHCP, DHCPv6, TFTP, DNS, SYSLOG, AAA, NTP, EMAIL, and FTP. The 'DHCP' service is selected, and its configuration is shown on the right. The 'Interface' is set to 'FastEthernet0' and the 'Service' is 'On'. The configuration fields are as follows:

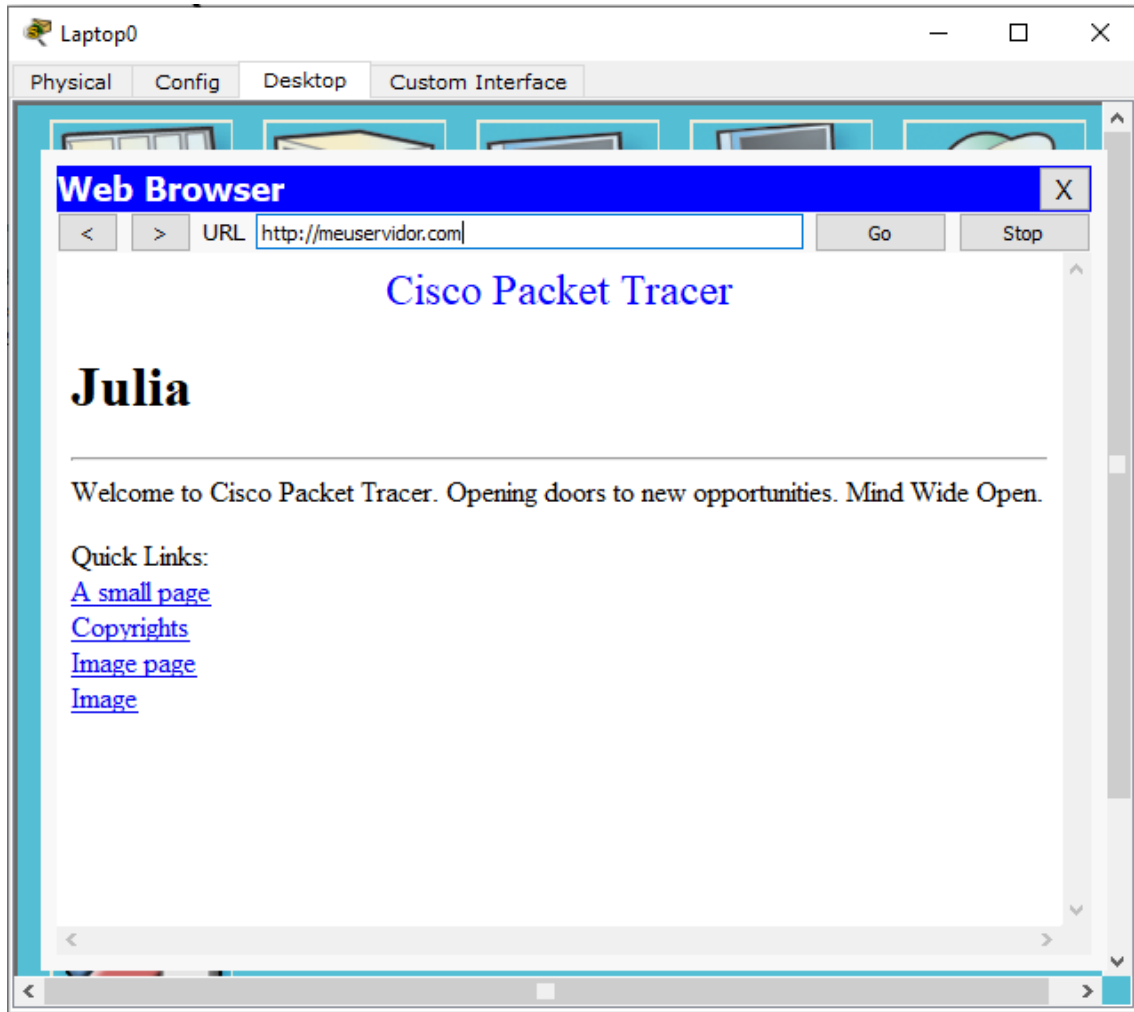
- Pool Name: serverPool
- Default Gateway: 192.168.0.254
- DNS Server: 192.168.0.1
- Start IP Address: 192.168.0.0
- Subnet Mask: 255.255.255.0
- Maximum number of Users: 22
- TFTP Server: 0.0.0.0

Below the configuration fields are 'Add', 'Save', and 'Remove' buttons. A table at the bottom displays the configured DHCP pool:

Pool Name	Default Gateway	DNS Server	Start IP Address	Subnet Mask	Max User	TFTP Server
server...	192.168.0.254	192.168.0.1	192.168.0.0	255.255.255.0	22	0.0.0.0

12. Não lembro se fiz isso, mas acredito que sim.

13.



14.

a.

```
Microsoft Windows [versão 10.0.19043.1766]
(c) Microsoft Corporation. Todos os direitos reservados.

C:\Users\aluno>ipconfig /displaydns

Configuração de IP do Windows

crl3.digicert.com
-----
Nome do Registro. . . . . : crl3.digicert.com
Tipo de Registro. . . . . : 5
Tempo de Vida . . . . . : 3214
Comprimento dos Dados . . . . . : 8
Seção. . . . . : Resposta
Registro CNAME . . . . . : cs9.wac.phicdn.net

Nome do Registro. . . . . : cs9.wac.phicdn.net
Tipo de Registro. . . . . : 1
Tempo de Vida . . . . . : 3214
Comprimento dos Dados . . . . . : 4
Seção. . . . . : Resposta
Registro (Host). . . . . : 192.16.58.8

array513.prod.do.dsp.mp.microsoft.com
-----
Nome do Registro. . . . . : array513.prod.do.dsp.mp.microsoft.com
Tipo de Registro. . . . . : 1
Tempo de Vida . . . . . : 2002
```

b.

```
Prompt de Comando

array508.prod.do.dsp.mp.microsoft.com
-----
Nome do Registro. . . . . : array508.prod.do.dsp.mp.microsoft.com
Tipo de Registro. . . . . : 1
Tempo de Vida . . . . . : 1925
Comprimento dos Dados . . . . . : 4
Seção. . . . . : Resposta
Registro (Host). . . . . : 52.184.217.37

C:\Users\aluno>ipconfig /flushdns

Configuração de IP do Windows

Liberação do Cache do DNS Resolver bem-sucedida.

C:\Users\aluno>
```

15.

```
Prompt de Comando - nslookup

array508.prod.do.dsp.mp.microsoft.com
-----
Nome do Registro. . . . . : array508.prod.do.dsp.mp.microsoft.com
Tipo de Registro. . . . . : 1
Tempo de Vida . . . . . : 1925
Comprimento dos Dados . . . . . : 4
Seção. . . . . : Resposta
Registro (Host). . . . . : 52.184.217.37

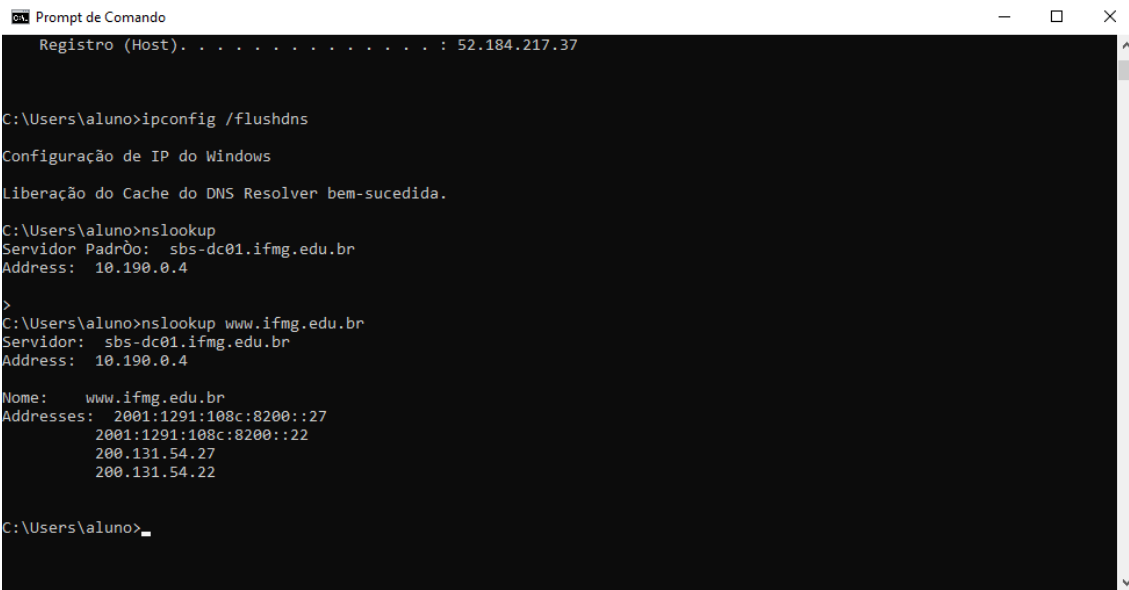
C:\Users\aluno>ipconfig /flushdns

Configuração de IP do Windows

Liberação do Cache do DNS Resolver bem-sucedida.

C:\Users\aluno>nslookup
Servidor Padrão: sbs-dc01.ifmg.edu.br
Address: 10.190.0.4
> -
```

## 16.



```
Prompt de Comando
Registro (Host). . . . . : 52.184.217.37

C:\Users\aluno>ipconfig /flushdns

Configuração de IP do Windows

Liberação do Cache do DNS Resolver bem-sucedida.

C:\Users\aluno>nslookup
Servidor Padrão:  sbs-dc01.ifmg.edu.br
Address:  10.190.0.4

>
C:\Users\aluno>nslookup www.ifmg.edu.br
Servidor:  sbs-dc01.ifmg.edu.br
Address:  10.190.0.4

Nome:      www.ifmg.edu.br
Addresses: 2001:1291:108c:8200::27
           2001:1291:108c:8200::22
           200.131.54.27
           200.131.54.22

C:\Users\aluno>
```