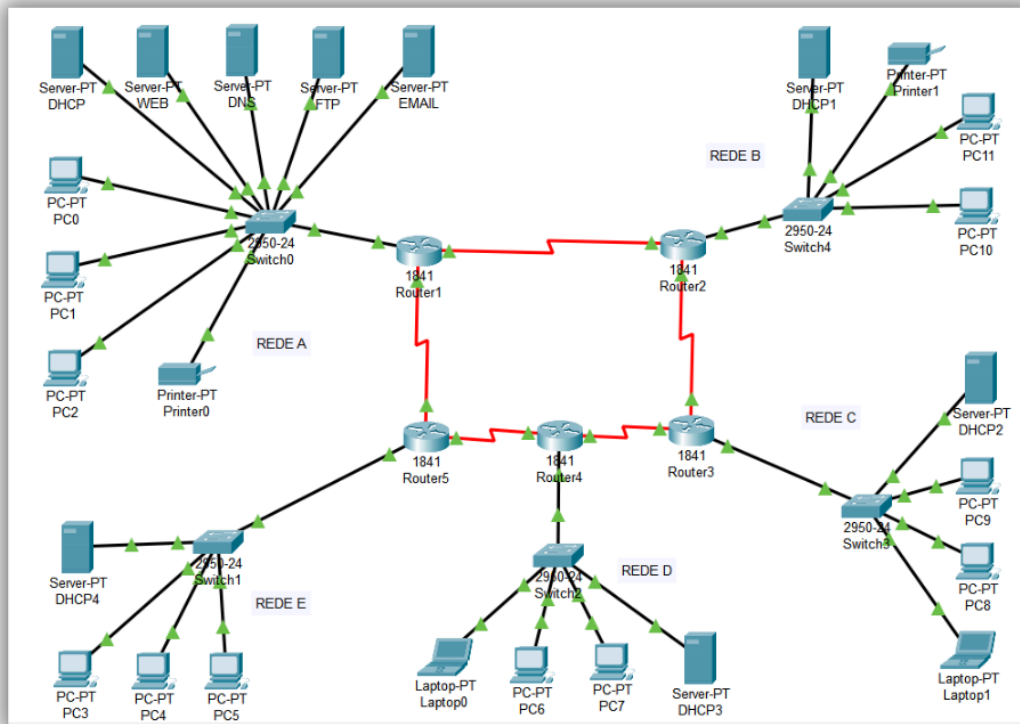


Atividade IPSSI

Giovana Marsigli Rodrigues

Desenvolver atividade para compor a menção do terceiro bimestre letivos, a mesma deve ser **entregue em arquivo .pdf com print de todos os serviços testados de cada redes**. arquivo em outro forma não será aceito.

LAYOUT



REDE A - SERVIDORES

• DHCP

The screenshot shows the DHCP configuration window for REDE A. The 'IP Configuration' tab is active, showing the following settings:

- IP Configuration: DHCP (selected), Static (selected)
- IPv4 Address: 192.168.1.254
- Subnet Mask: 255.255.255.0
- Default Gateway: 192.168.1.1
- DNS Server: 0.0.0.0
- IPv6 Configuration: Automatic (selected), Static (selected)
- IPv6 Address: /
- Link Local Address: FE80::205:5EFF:FE32:C489
- Default Gateway: /
- DNS Server: /
- 802.1X: Use 802.1X Security (unchecked), Authentication: MD5, Username: /, Password: /

The screenshot shows the DHCP configuration window for REDE A, with the 'SERVICES' tab active. The DHCP service is configured as follows:

- Interface: FastEthernet0
- Service: On (selected), Off (unchecked)
- Pool Name: serverPool
- Default Gateway: 192.168.1.1
- DNS Server: 192.168.1.253
- Start IP Address: 192.168.1.0
- Subnet Mask: 255.255.255.0
- Maximum Number of Users: 20
- TFTP Server: 0.0.0.0
- WLC Address: 0.0.0.0

Pool Name	Default Gateway	DNS Server	Start IP Address	Subnet Mask	Max User	TFTP Server	WLC Address
serverPool	192.16...	192.16...	192.16...	255.25...	20	0.0.0.0	0.0.0.0

REDE A - SERVIDORES CONTINUAÇÃO

• DNS

DNS

Physical Config Services **Desktop** Programming Attributes

IP Configuration

☐ DHCP ☒ Static

IPv4 Address: 192.168.1.253

Subnet Mask: 255.255.255.0

Default Gateway: 192.168.1.1

DNS Server: 192.168.1.253

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address: /

Link Local Address: FE80::2E0:F9FF:FE26:946C

Default Gateway:

DNS Server:

802.1X

☐ Use 802.1X Security

Authentication: MD5

Username:

Password:

☐ Top

DNS

Physical Config **Services** Desktop Programming Attributes

SERVICES

HTTP

DHCP

DHCPv6

TFTP

DNS

SYSLOG

AAA

NTP

EMAIL

FTP

IoT

VM Management

Radius EAP

DNS Service: ☒ On ☐ Off

Resource Records

Name: Type: A Record

Address:

Add Save Remove

No.	Name	Type	Detail
0	www.eteczi.com.br	A Record	192.168.1.253

DNS Cache

☐ Top

• WEB

WEB

Physical Config Services **Desktop** Programming Attributes

IP Configuration

☐ DHCP ☒ Static

IPv4 Address: 192.168.1.252

Subnet Mask: 255.255.255.0

Default Gateway: 192.168.1.1

DNS Server: 192.168.1.253

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address: /

Link Local Address: FE80::205:5EFF:FE80:82CD

Default Gateway:

DNS Server:

802.1X

☐ Use 802.1X Security

Authentication: MD5

Username:

Password:

☐ Top

WEB

Physical Config **Services** Desktop Programming Attributes

SERVICES

HTTP

DHCP

DHCPv6

TFTP

DNS

SYSLOG

AAA

NTP

EMAIL

FTP

IoT

VM Management

Radius EAP

HTTP: ☒ On ☐ Off

HTTPS: ☒ On ☐ Off

File Manager

	File Name	Edit	Delete
1	copyrights.html	(edit)	(delete)
2	cscoptlogo177x111.jpg		(delete)
3	helloworld.html	(edit)	(delete)
4	image.html	(edit)	(delete)
5	index.html	(edit)	(delete)

New File Import

☐ Top

REDE A - SERVIDORES CONTINUAÇÃO

• FTP

The screenshot shows the 'FTP' configuration window with the 'Desktop' tab selected. The 'IP Configuration' section is expanded, showing 'Static' as the selected option. The 'IPv4 Address' is 192.168.1.251, 'Subnet Mask' is 255.255.255.0, 'Default Gateway' is 192.168.1.1, and 'DNS Server' is 192.168.1.253. The 'IPv6 Configuration' section is also expanded, showing 'Static' as the selected option. The 'Link Local Address' is FE80::20A:F3FF:FE7B:9980. The '802.1X' section is expanded, showing 'Use 802.1X Security' as unchecked, 'Authentication' as MD5, and 'Username' and 'Password' fields.

Physical Config Services **Desktop** Programming Attributes

IP Configuration

IP Configuration

☐ DHCP ☒ Static

IPv4 Address 192.168.1.251

Subnet Mask 255.255.255.0

Default Gateway 192.168.1.1

DNS Server 192.168.1.253

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address /

Link Local Address FE80::20A:F3FF:FE7B:9980

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

☐ Top

The screenshot shows the 'FTP' configuration window with the 'Services' tab selected. The 'FTP' service is listed in the 'SERVICES' list on the left. The 'FTP' configuration section is expanded, showing 'Service' as 'On'. The 'User Setup' section is expanded, showing a table with columns 'Username', 'Password', and 'Permission'. The table contains three rows: 'aluno' with password '123' and permission 'R', 'cisco' with password 'cisco' and permission 'RWDNL', and 'prof' with password '123' and permission 'RWDNL'. The 'File' section is expanded, showing a list of files: 'asa842-k8.bin', 'asa923-k8.bin', 'c1841-advipservicesk9-mz.124-15.T1.bin', and 'c1841-inbase-mz.123-14.T7.bin'.

Physical Config **Services** Desktop Programming Attributes

SERVICES

FTP

Service ☒ On ☐ Off

User Setup

Username Password

☐ Write ☐ Read ☐ Delete ☐ Rename ☐ List

	Username	Password	Permission
1	aluno	123	R
2	cisco	cisco	RWDNL
3	prof	123	RWDNL

Add Save Remove

File

1 asa842-k8.bin

2 asa923-k8.bin

3 c1841-advipservicesk9-mz.124-15.T1.bin

4 c1841-inbase-mz.123-14.T7.bin

Remove

☐ Top

• E-MAIL

The screenshot shows the 'EMAIL' configuration window with the 'Desktop' tab selected. The 'IP Configuration' section is expanded, showing 'Static' as the selected option. The 'IPv4 Address' is 192.168.1.250, 'Subnet Mask' is 255.255.255.0, 'Default Gateway' is 192.168.1.1, and 'DNS Server' is 192.168.1.253. The 'IPv6 Configuration' section is also expanded, showing 'Static' as the selected option. The 'Link Local Address' is FE80::2E0:B0FF:FE8D:64A8. The '802.1X' section is expanded, showing 'Use 802.1X Security' as unchecked, 'Authentication' as MD5, and 'Username' and 'Password' fields.

Physical Config Services **Desktop** Programming Attributes

IP Configuration

IP Configuration

☐ DHCP ☒ Static

IPv4 Address 192.168.1.250

Subnet Mask 255.255.255.0

Default Gateway 192.168.1.1

DNS Server 192.168.1.253

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address /

Link Local Address FE80::2E0:B0FF:FE8D:64A8

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

☐ Top

The screenshot shows the 'EMAIL' configuration window with the 'Services' tab selected. The 'EMAIL' service is listed in the 'SERVICES' list on the left. The 'EMAIL' configuration section is expanded, showing 'SMTP Service' as 'ON' and 'POP3 Service' as 'ON'. The 'Domain Name' is 'etec.sp.gov.br'. The 'User Setup' section is expanded, showing a table with columns 'User' and 'Password'. The table contains two rows: 'aluno' and 'professor'. The 'Change' button is visible.

Physical Config **Services** Desktop Programming Attributes

SERVICES

EMAIL

SMTP Service ☒ ON ☐ OFF POP3 Service ☒ ON ☐ OFF

Domain Name: etec.sp.gov.br Set

User Setup

User Password

aluno	
professor	

+ - Change Password

☐ Top

REDE A – PCS E PRINTER

• PC0

PC0

Physical Config **Desktop** Programming Attributes

P Configuration X

Interface FastEthernet0

IP Configuration

☒ DHCP ☐ Static

IPv4 Address 192.168.1.2

Subnet Mask 255.255.255.0

Default Gateway 192.168.1.1

DNS Server 192.168.1.253

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address /

Link Local Address FE80::205:5EFF:FEA2:D2D7

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

☐ Top

PC1

PC1

Physical Config **Desktop** Programming Attributes

P Configuration X

Interface FastEthernet0

IP Configuration

☒ DHCP ☐ Static

IPv4 Address 192.168.1.5

Subnet Mask 255.255.255.0

Default Gateway 192.168.1.1

DNS Server 192.168.1.253

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address /

Link Local Address FE80::2E0:B0FF:FED9:27C2

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

☐ Top

• PC2

PC2

Physical Config **Desktop** Programming Attributes

IP Configuration X

Interface FastEthernet0

IP Configuration

☒ DHCP ☐ Static

IPv4 Address 192.168.1.4

Subnet Mask 255.255.255.0

Default Gateway 192.168.1.1

DNS Server 192.168.1.253

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address /

Link Local Address FE80::2E0:F7FF:FE8A:6B4C

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

☐ Top

PRINTER0

Printer0

Physical **Config** Attributes

GLOBAL Settings

INTERFACE FastEthernet0

Global Settings

Display Name Printer0

Gateway/DNS IPv4

☒ DHCP ☐ Static

Default Gateway 192.168.1.1

DNS Server 192.168.1.253

Gateway/DNS IPv6

☐ Automatic ☒ Static

Default Gateway

DNS Server

☐ Top

REDE A - ROTEADOR

• RIP

The screenshot shows the Router1 configuration window with the 'Config' tab selected. The left sidebar shows the configuration tree with 'RIP' selected under 'ROUTING'. The main area displays the 'RIP Routing' configuration page. A table lists the networks to be advertised:

Network Address
10.0.0.0
192.168.1.0
192.168.2.0
192.168.3.0
192.168.4.0
192.168.5.0

Below the table, the 'Equivalent IOS Commands' section shows the following commands:

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

• FASTETHERNET 0

The screenshot shows the Router1 configuration window with the 'Config' tab selected. The left sidebar shows the configuration tree with 'FastEthernet0/0' selected under 'INTERFACE'. The main area displays the 'FastEthernet0/0' configuration page. The configuration includes:

- Port Status: ☒ On
- Bandwidth: ☒ 100 Mbps, ☐ 10 Mbps
- Duplex: ☐ Half Duplex, ☒ Full Duplex
- MAC Address: 0001.42C3.1501
- IP Configuration:
 - IPv4 Address: 192.168.1.1
 - Subnet Mask: 255.255.255.0
- Tx Ring Limit: 10

Below the configuration fields, the 'Equivalent IOS Commands' section shows the following commands:

```
Router(config-if)#exit
Router(config)#router rip
Router(config-router)#
Router(config-router)#end
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#
%SYS-5-CONFIG_I: Configured from console by console
```

REDE A - ROTEADOR

• SERIAL0/0/0

The screenshot shows the configuration window for Serial0/0/0 on Router1. The left sidebar has tabs for Physical, Config, CLI, and Attributes. The Config tab is active, showing a tree view with GLOBAL, Settings, Algorithm Settings, ROUTING, Static, RIP, SWITCHING, VLAN Database, INTERFACE, FastEthernet0/0, FastEthernet0/1, Serial0/0/0 (selected), and Serial0/0/1. The main area displays the configuration for Serial0/0/0: Port Status is On, Duplex is Full Duplex, Clock Rate is 2000000, IP Configuration has IPv4 Address 10.10.10.1 and Subnet Mask 255.255.255.0, and Tx Ring Limit is 10. Below the configuration is a text box for Equivalent IOS Commands.

```
Router(config-router)#end
Router(config)#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#
$SYS-5-CONFIG_I: Configured from console by console

Router(config-if)#exit
Router(config)#interface Serial0/0/0
Router(config-if)#
```

SERIAL0/0/1

The screenshot shows the configuration window for Serial0/0/1 on Router1. The left sidebar has tabs for Physical, Config, CLI, and Attributes. The Config tab is active, showing a tree view with GLOBAL, Settings, Algorithm Settings, ROUTING, Static, RIP, SWITCHING, VLAN Database, INTERFACE, FastEthernet0/0, FastEthernet0/1, Serial0/0/0, Serial0/0/1 (selected), and Serial0/0/1. The main area displays the configuration for Serial0/0/1: Port Status is On, Duplex is Full Duplex, Clock Rate is 2000000, IP Configuration has IPv4 Address 10.10.50.2 and Subnet Mask 255.255.255.0, and Tx Ring Limit is 10. Below the configuration is a text box for Equivalent IOS Commands.

```
Router(config)#interface FastEthernet0/0
Router(config-if)#
$SYS-5-CONFIG_I: Configured from console by console

Router(config-if)#exit
Router(config)#interface Serial0/0/0
Router(config-if)#exit
Router(config)#interface Serial0/0/1
Router(config-if)#
```

REDE B - SERVIDOR

• DHCP1

The screenshot shows the DHCP1 configuration window. The left sidebar has tabs for Physical, Config, Services, Desktop, Programming, and Attributes. The Desktop tab is active, showing a tree view with IP Configuration (selected), IPv6 Configuration, and 802.1X. The main area displays the configuration for IP Configuration: DHCP is Off, Static is On, IPv4 Address is 192.168.2.2, Subnet Mask is 255.255.255.0, Default Gateway is 192.168.2.1, and DNS Server is 192.168.1.253. Below the configuration is a text box for Equivalent IOS Commands.

```
Router(config)#interface FastEthernet0/0
Router(config-if)#
$SYS-5-CONFIG_I: Configured from console by console

Router(config-if)#exit
Router(config)#interface Serial0/0/0
Router(config-if)#
```

The screenshot shows the DHCP1 configuration window. The left sidebar has tabs for Physical, Config, Services, Desktop, Programming, and Attributes. The Services tab is active, showing a tree view with SERVICES, HTTP, DHCP (selected), DHCPv6, TFTP, DNS, SYSLOG, AAA, NTP, EMAIL, FTP, IoT, VM Management, and Radius EAP. The main area displays the configuration for DHCP: Interface is FastEthernet0, Service is On, Pool Name is serverPool, Default Gateway is 192.168.2.1, DNS Server is 192.168.1.253, Start IP Address is 192.168.2.0, Subnet Mask is 255.255.255.0, Maximum Number of Users is 20, TFTP Server is 0.0.0.0, and WLC Address is 0.0.0.0. Below the configuration is a table for the DHCP pool.

Pool Name	Default Gateway	DNS Server	Start IP Address	Subnet Mask	Max User	TFTP Server	WLC Address
serverPool	192.16...	192.16...	192.16...	255.25...	20	0.0.0.0	0.0.0.0

- REDE B - PCS E PRINTER
- PC11

PC11

Physical Config **Desktop** Programming Attributes

IP Configuration X

Interface FastEthernet0

IP Configuration

☒ DHCP ☐ Static

IPv4 Address 192.168.2.4

Subnet Mask 255.255.255.0

Default Gateway 192.168.2.1

DNS Server 192.168.1.253

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address /

Link Local Address FE80::206:2AFF:FE45:912B

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

☐ Top

PC10

PC10

Physical Config **Desktop** Programming Attributes

IP Configuration X

Interface FastEthernet0

IP Configuration

☒ DHCP ☐ Static

IPv4 Address 192.168.2.5

Subnet Mask 255.255.255.0

Default Gateway 192.168.2.1

DNS Server 192.168.1.253

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address /

Link Local Address FE80::205:5EFF:FE32:7372

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

☐ Top

- PRINTER1

Printer1

Physical **Config** Attributes

GLOBAL Settings

INTERFACE FastEthernet0

Global Settings

Display Name Printer1

Gateway/DNS IPv4

☒ DHCP ☐ Static

Default Gateway 192.168.2.1

DNS Server 192.168.1.253

Gateway/DNS IPv6

☐ Automatic ☒ Static

Default Gateway

DNS Server

☐ Top

REDE B - ROTEADOR

• RIP

The screenshot shows the Router2 configuration interface with the 'Config' tab selected. The left sidebar contains a tree view with categories: GLOBAL, ROUTING, SWITCHING, and INTERFACE. Under ROUTING, 'RIP' is selected. The main area is titled 'RIP Routing' and contains a table for 'Network' configuration. The table has two columns: 'Network Address' and 'Add'. The 'Network Address' column lists the following IP ranges: 10.0.0.0, 192.168.1.0, 192.168.2.0, 192.168.3.0, 192.168.4.0, and 192.168.5.0. The 'Add' column is empty. A 'Remove' button is located at the bottom right of the table. Below the table, there is a section for 'Equivalent IOS Commands' which displays the following text:

```
Cisco IOS Software, 1841 Software (C1841-ADVIPSERVICESK9-M), Version 12.4(15)T1, RELEASE SOFTWARE (fc2)
Technical Support: http://www.cisco.com/techsupport
Copyright (c) 1986-2007 by Cisco Systems, Inc.
Compiled Wed 18-Jul-07 04:52 by pt_team

Press RETURN to get started!

%LINK-5-CHANGED: Interface Serial0/0/1, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
%LINK-5-CHANGED: Interface Serial0/0/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0/1, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0/0, changed state to up

Router#enable
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#router rip
Router(config-router)#
```

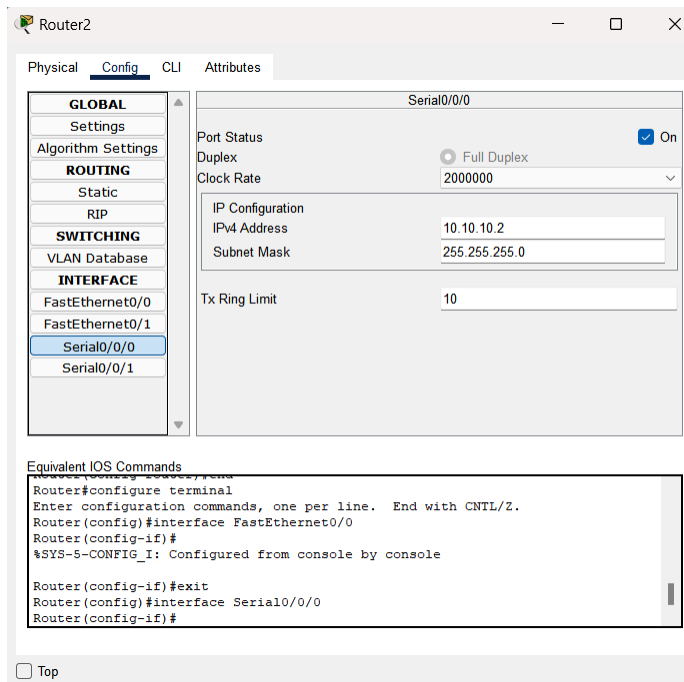
• FASTETHERNET 0

The screenshot shows the Router2 configuration interface with the 'Config' tab selected. The left sidebar contains a tree view with categories: GLOBAL, ROUTING, SWITCHING, and INTERFACE. Under INTERFACE, 'FastEthernet0/0' is selected. The main area is titled 'FastEthernet0/0' and contains configuration options for the interface. The 'Port Status' is set to 'On'. The 'Bandwidth' is set to '100 Mbps'. The 'Duplex' is set to 'Full Duplex'. The 'MAC Address' is '0060.474B.0901'. The 'IP Configuration' section shows the 'IPv4 Address' as '192.168.2.1' and the 'Subnet Mask' as '255.255.255.0'. The 'Tx Ring Limit' is set to '10'. Below the configuration options, there is a section for 'Equivalent IOS Commands' which displays the following text:

```
Router(config)#router rip
Router(config-router)#
Router(config-router)#end
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#
%SYS-5-CONFIG_I: Configured from console by console
```


REDE B - ROTEADOR

• SERIAL0/0/0



Router2

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

Serial0/0/0

Port Status

Duplex ☒ Full Duplex ☐ On

Clock Rate 2000000

IP Configuration

IPv4 Address 10.10.10.2

Subnet Mask 255.255.255.0

Tx Ring Limit 10

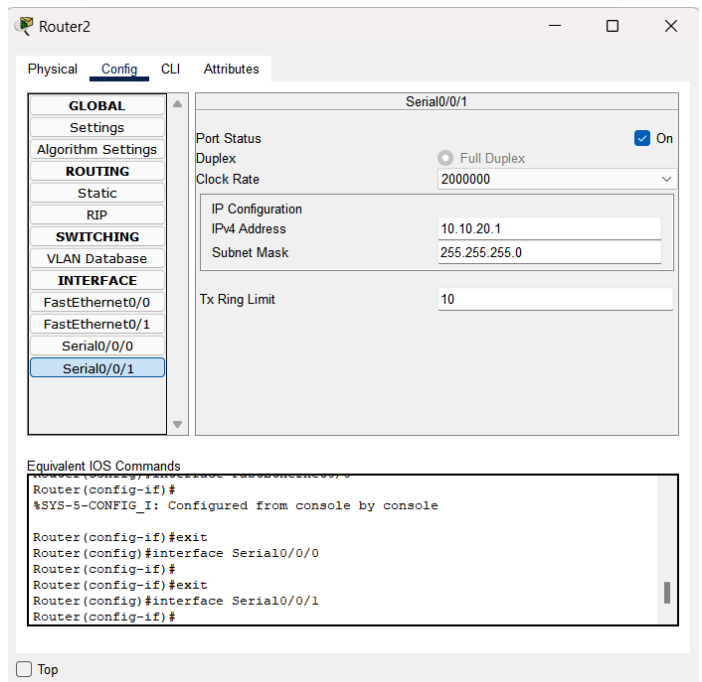
Equivalent IOS Commands

```
Router(config)#interface Serial0/0/0
Router(config)#ip address 10.10.10.2 255.255.255.0
Router(config)#end
%SYS-5-CONFIG_I: Configured from console by console

Router(config-if)#exit
Router(config)#interface Serial0/0/0
Router(config-if)#
```

☐ Top

SERIAL0/0/1



Router2

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

Serial0/0/1

Port Status

Duplex ☒ Full Duplex ☐ On

Clock Rate 2000000

IP Configuration

IPv4 Address 10.10.20.1

Subnet Mask 255.255.255.0

Tx Ring Limit 10

Equivalent IOS Commands

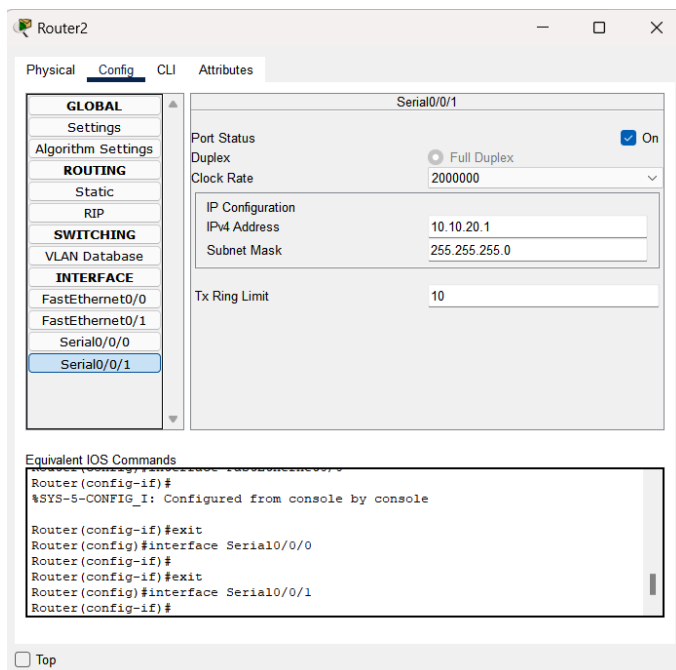
```
Router(config)#interface Serial0/0/1
Router(config)#ip address 10.10.20.1 255.255.255.0
Router(config)#end
%SYS-5-CONFIG_I: Configured from console by console

Router(config-if)#exit
Router(config)#interface Serial0/0/1
Router(config-if)#
```

☐ Top

REDE C - SERVIDOR

• DHCP2



Router2

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

Serial0/0/1

Port Status

Duplex ☒ Full Duplex ☐ On

Clock Rate 2000000

IP Configuration

IPv4 Address 10.10.20.1

Subnet Mask 255.255.255.0

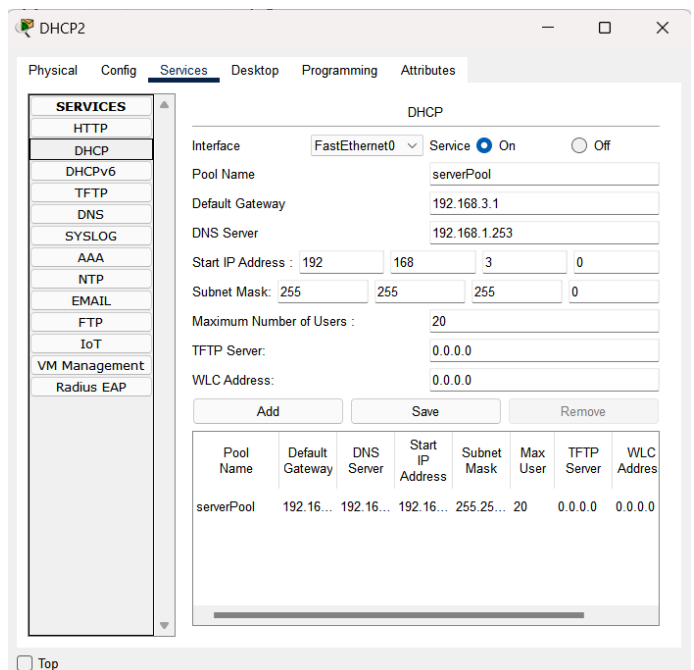
Tx Ring Limit 10

Equivalent IOS Commands

```
Router(config)#interface Serial0/0/1
Router(config)#ip address 10.10.20.1 255.255.255.0
Router(config)#end
%SYS-5-CONFIG_I: Configured from console by console

Router(config-if)#exit
Router(config)#interface Serial0/0/1
Router(config-if)#
```

☐ Top



DHCP2

Physical **Services** Desktop Programming Attributes

SERVICES

HTTP

DHCP

DHCPv6

TFTP

DNS

SYSLOG

AAA

NTP

EMAIL

FTP

IoT

VM Management

Radius EAP

DHCP

Interface FastEthernet0 Service ☒ On ☐ Off

Pool Name serverPool

Default Gateway 192.168.3.1

DNS Server 192.168.1.253

Start IP Address : 192 168 3 0

Subnet Mask: 255 255 255 0

Maximum Number of Users : 20

TFTP Server: 0.0.0.0

WLC Address: 0.0.0.0

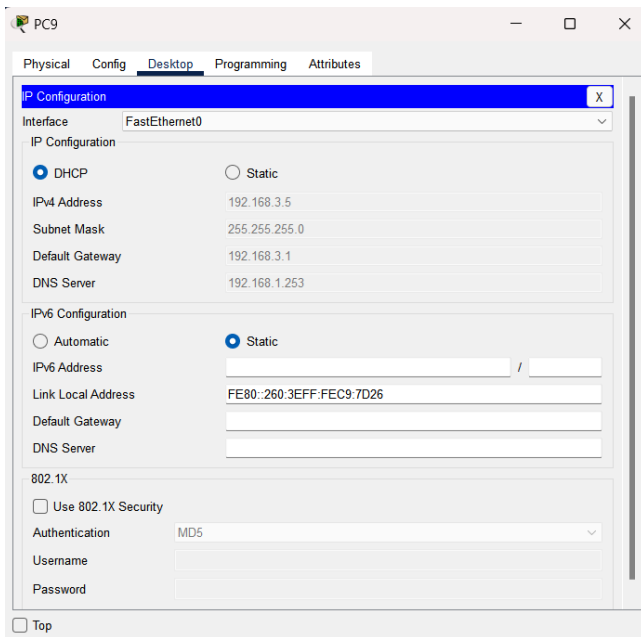
Add Save Remove

Pool Name	Default Gateway	DNS Server	Start IP Address	Subnet Mask	Max User	TFTP Server	WLC Address
serverPool	192.16...	192.16...	192.16...	255.25...	20	0.0.0.0	0.0.0.0

☐ Top

REDE C – PCS E LAPTOP

• PC9



PC9 configuration window showing IP Configuration for FastEthernet0. The interface is configured with DHCP. The IPv4 Address is 192.168.3.5, Subnet Mask is 255.255.255.0, Default Gateway is 192.168.3.1, and DNS Server is 192.168.1.253. The IPv6 Configuration is set to Static, with an IPv6 Address field, Link Local Address FE80::260:3EFF:FEC9:7D26, Default Gateway, and DNS Server. The 802.1X section is unchecked, with Authentication set to MD5, Username, and Password fields.

Physical Config **Desktop** Programming Attributes

IP Configuration X

Interface FastEthernet0

IP Configuration

☒ DHCP ☐ Static

IPv4 Address 192.168.3.5

Subnet Mask 255.255.255.0

Default Gateway 192.168.3.1

DNS Server 192.168.1.253

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address /

Link Local Address FE80::260:3EFF:FEC9:7D26

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

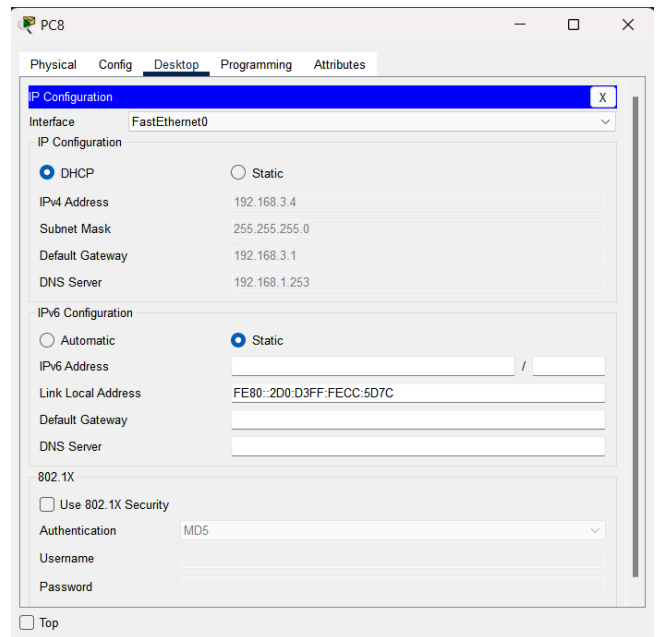
Authentication MD5

Username

Password

☐ Top

PC8



PC8 configuration window showing IP Configuration for FastEthernet0. The interface is configured with DHCP. The IPv4 Address is 192.168.3.4, Subnet Mask is 255.255.255.0, Default Gateway is 192.168.3.1, and DNS Server is 192.168.1.253. The IPv6 Configuration is set to Static, with an IPv6 Address field, Link Local Address FE80::2D0:D3FF:FECC:5D7C, Default Gateway, and DNS Server. The 802.1X section is unchecked, with Authentication set to MD5, Username, and Password fields.

Physical Config **Desktop** Programming Attributes

IP Configuration X

Interface FastEthernet0

IP Configuration

☒ DHCP ☐ Static

IPv4 Address 192.168.3.4

Subnet Mask 255.255.255.0

Default Gateway 192.168.3.1

DNS Server 192.168.1.253

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address /

Link Local Address FE80::2D0:D3FF:FECC:5D7C

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

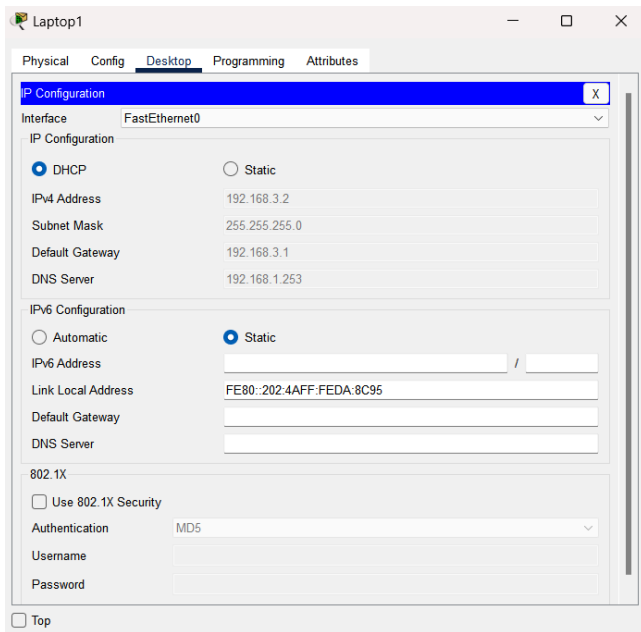
Authentication MD5

Username

Password

☐ Top

• LAPTOP1



Laptop1 configuration window showing IP Configuration for FastEthernet0. The interface is configured with DHCP. The IPv4 Address is 192.168.3.2, Subnet Mask is 255.255.255.0, Default Gateway is 192.168.3.1, and DNS Server is 192.168.1.253. The IPv6 Configuration is set to Static, with an IPv6 Address field, Link Local Address FE80::202:4AFF:FEDA:8C95, Default Gateway, and DNS Server. The 802.1X section is unchecked, with Authentication set to MD5, Username, and Password fields.

Physical Config **Desktop** Programming Attributes

IP Configuration X

Interface FastEthernet0

IP Configuration

☒ DHCP ☐ Static

IPv4 Address 192.168.3.2

Subnet Mask 255.255.255.0

Default Gateway 192.168.3.1

DNS Server 192.168.1.253

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address /

Link Local Address FE80::202:4AFF:FEDA:8C95

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

☐ Top

REDE C - ROTEADOR

• RIP

The screenshot shows the Router3 configuration interface with the 'Config' tab selected. The left sidebar contains a tree view with categories: GLOBAL, ROUTING, SWITCHING, and INTERFACE. Under ROUTING, 'RIP' is selected. The main area displays the 'RIP Routing' configuration page. It includes a 'Network' section with a table of IP addresses: 10.0.0.0, 192.168.1.0, 192.168.2.0, 192.168.3.0, 192.168.4.0, and 192.168.5.0. Below this is a 'Remove' button. At the bottom, there is a section for 'Equivalent IOS Commands' showing the following commands:

```
Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#router rip
Router(config-router)#
```

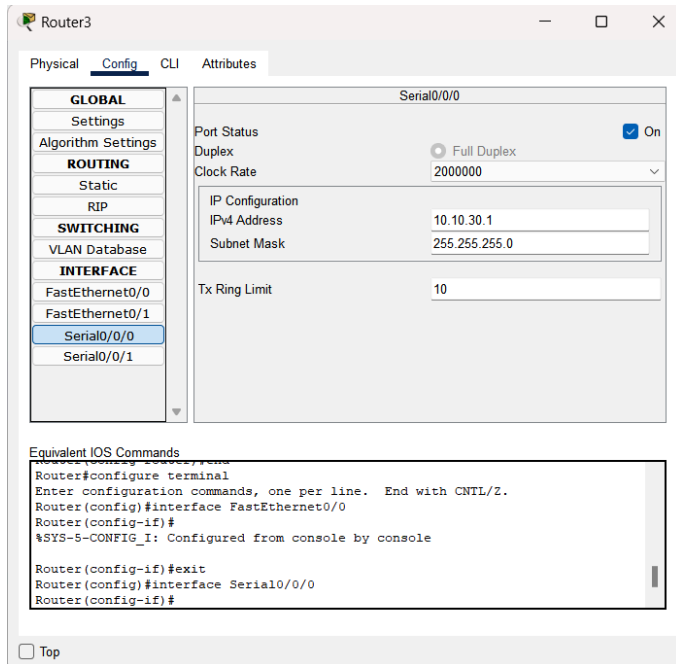
• FASTETHERNET 0

The screenshot shows the Router3 configuration interface with the 'Config' tab selected. The left sidebar contains a tree view with categories: GLOBAL, ROUTING, SWITCHING, and INTERFACE. Under SWITCHING, 'FastEthernet0/0' is selected. The main area displays the 'FastEthernet0/0' configuration page. It includes fields for 'Port Status' (On), 'Bandwidth' (100 Mbps), 'Duplex' (Full Duplex), 'MAC Address' (000D.BD28.0501), 'IP Configuration' (IPv4 Address: 192.168.3.1, Subnet Mask: 255.255.255.0), and 'Tx Ring Limit' (10). Below this is a section for 'Equivalent IOS Commands' showing the following commands:

```
Router(config)#router rip
Router(config-router)#
Router(config-router)#end
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#
%SYS-5-CONFIG_I: Configured from console by console
```

REDE B - ROTEADOR

• SERIAL0/0/0

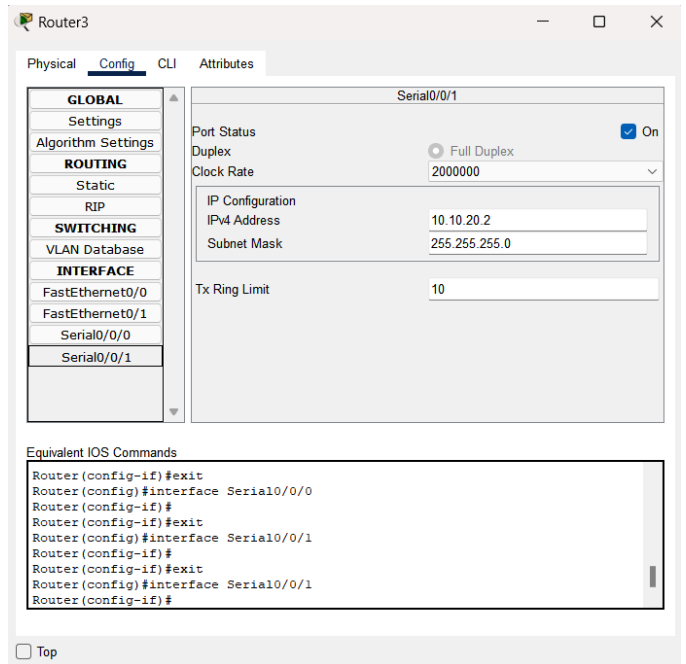


Router3 Config window for Serial0/0/0 interface. The interface is configured with IP Address 10.10.30.1 and Subnet Mask 255.255.255.0. The port status is On, Duplex is Full Duplex, and Clock Rate is 2000000. The Tx Ring Limit is 10.

Equivalent IOS Commands:

```
Router(config)#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#
%SYS-5-CONFIG_I: Configured from console by console
Router(config-if)#exit
Router(config)#interface Serial0/0/0
Router(config-if)#
```

SERIAL0/0/1



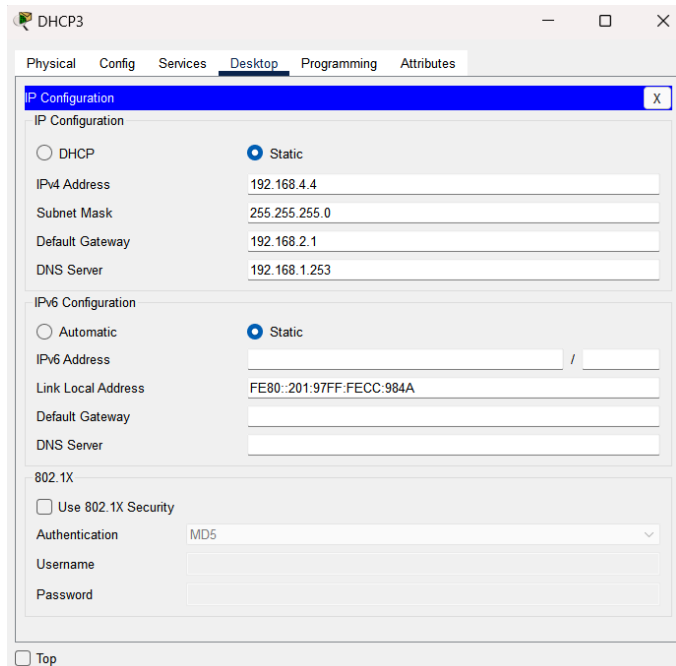
Router3 Config window for Serial0/0/1 interface. The interface is configured with IP Address 10.10.20.2 and Subnet Mask 255.255.255.0. The port status is On, Duplex is Full Duplex, and Clock Rate is 2000000. The Tx Ring Limit is 10.

Equivalent IOS Commands:

```
Router(config-if)#exit
Router(config)#interface Serial0/0/0
Router(config-if)#exit
Router(config)#interface Serial0/0/1
Router(config-if)#exit
Router(config)#interface Serial0/0/1
Router(config-if)#
```

REDE D - SERVIDOR

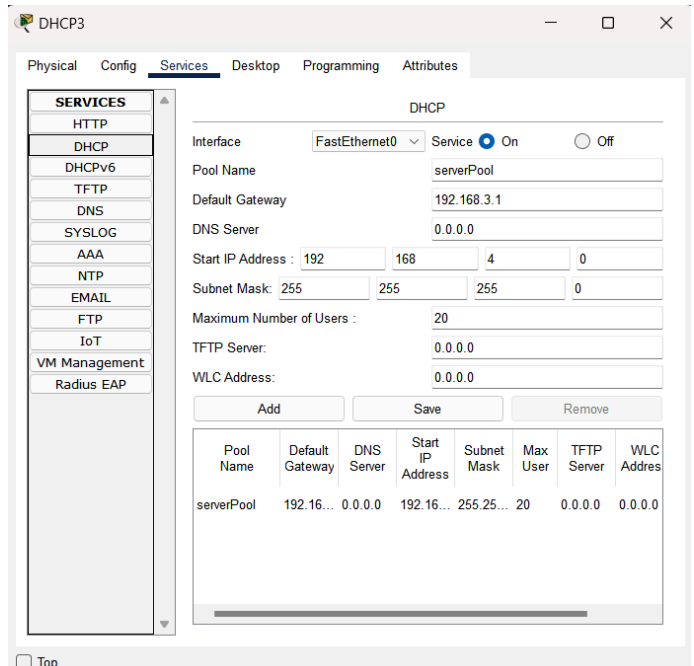
• DHCP3



DHCP3 Config window for IP Configuration. The interface is configured with IP Address 192.168.4.4, Subnet Mask 255.255.255.0, Default Gateway 192.168.2.1, and DNS Server 192.168.1.253. The port status is On, Duplex is Full Duplex, and Clock Rate is 2000000. The Tx Ring Limit is 10.

Equivalent IOS Commands:

```
Router(config)#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#
%SYS-5-CONFIG_I: Configured from console by console
Router(config-if)#exit
Router(config)#interface Serial0/0/0
Router(config-if)#
```



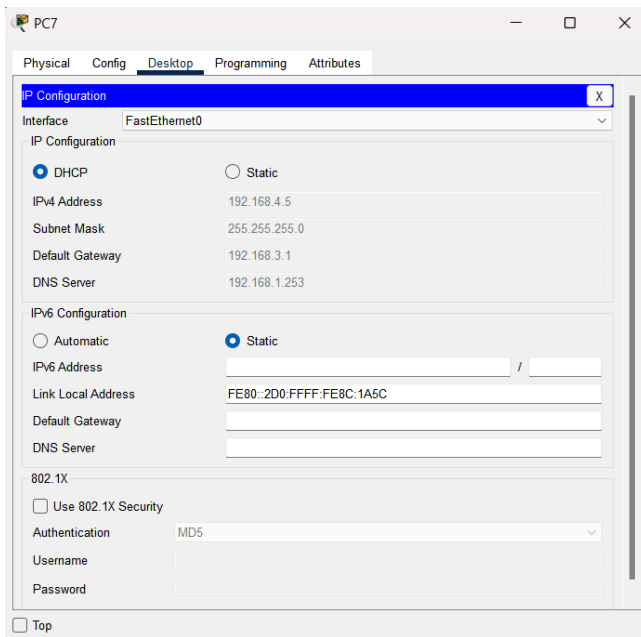
DHCP3 Services window for DHCP configuration. The interface is configured with IP Address 192.168.4.4, Subnet Mask 255.255.255.0, Default Gateway 192.168.2.1, and DNS Server 192.168.1.253. The port status is On, Duplex is Full Duplex, and Clock Rate is 2000000. The Tx Ring Limit is 10.

Equivalent IOS Commands:

```
Router(config)#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#
%SYS-5-CONFIG_I: Configured from console by console
Router(config-if)#exit
Router(config)#interface Serial0/0/0
Router(config-if)#
```

REDE D – PCS E LAPTOP

• PC7

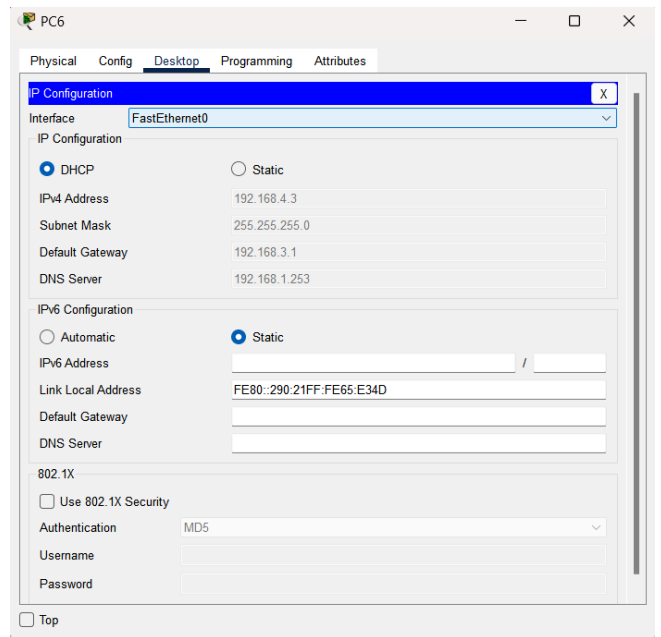


PC7 configuration window showing the Desktop tab. The IP Configuration section is active, showing FastEthernet0 interface settings. The DHCP radio button is selected under IP Configuration. The IPv6 Configuration section shows the Static radio button selected. The 802.1X section shows the Use 802.1X Security checkbox unchecked.

Interface	FastEthernet0
IP Configuration	<input checked="" type="radio"/> DHCP <input type="radio"/> Static
IPv4 Address	192.168.4.5
Subnet Mask	255.255.255.0
Default Gateway	192.168.3.1
DNS Server	192.168.1.253
IPv6 Configuration	<input type="radio"/> Automatic <input checked="" type="radio"/> Static
IPv6 Address	
Link Local Address	FE80::2D0:FFFF:FE8C:1A5C
Default Gateway	
DNS Server	
802.1X	<input type="checkbox"/> Use 802.1X Security
Authentication	MD5
Username	
Password	

☐ Top

PC6

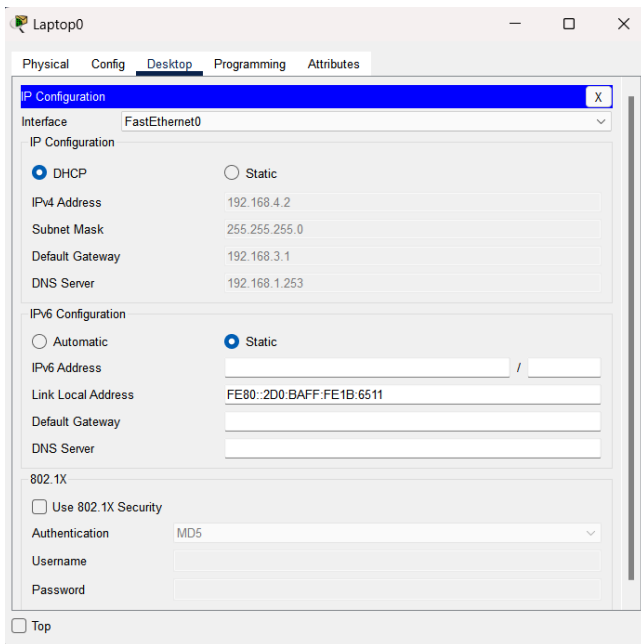


PC6 configuration window showing the Desktop tab. The IP Configuration section is active, showing FastEthernet0 interface settings. The DHCP radio button is selected under IP Configuration. The IPv6 Configuration section shows the Static radio button selected. The 802.1X section shows the Use 802.1X Security checkbox unchecked.

Interface	FastEthernet0
IP Configuration	<input checked="" type="radio"/> DHCP <input type="radio"/> Static
IPv4 Address	192.168.4.3
Subnet Mask	255.255.255.0
Default Gateway	192.168.3.1
DNS Server	192.168.1.253
IPv6 Configuration	<input type="radio"/> Automatic <input checked="" type="radio"/> Static
IPv6 Address	
Link Local Address	FE80::290:21FF:FE65:E34D
Default Gateway	
DNS Server	
802.1X	<input type="checkbox"/> Use 802.1X Security
Authentication	MD5
Username	
Password	

☐ Top

• LAPTOP0



Laptop0 configuration window showing the Desktop tab. The IP Configuration section is active, showing FastEthernet0 interface settings. The DHCP radio button is selected under IP Configuration. The IPv6 Configuration section shows the Static radio button selected. The 802.1X section shows the Use 802.1X Security checkbox unchecked.

Interface	FastEthernet0
IP Configuration	<input checked="" type="radio"/> DHCP <input type="radio"/> Static
IPv4 Address	192.168.4.2
Subnet Mask	255.255.255.0
Default Gateway	192.168.3.1
DNS Server	192.168.1.253
IPv6 Configuration	<input type="radio"/> Automatic <input checked="" type="radio"/> Static
IPv6 Address	
Link Local Address	FE80::2D0:BAFF:FE1B:6511
Default Gateway	
DNS Server	
802.1X	<input type="checkbox"/> Use 802.1X Security
Authentication	MD5
Username	
Password	

☐ Top

REDE D - ROTEADOR

- RIP

The screenshot shows the Router4 configuration interface. The left sidebar contains a tree view with the following categories: GLOBAL (Settings, Algorithm Settings), ROUTING (Static, RIP), SWITCHING (VLAN Database), and INTERFACE (FastEthernet0/0, FastEthernet0/1, Serial0/0/0, Serial0/0/1). The 'RIP' option under 'ROUTING' is selected. The main panel is titled 'RIP Routing' and contains a table for adding networks. The table has two columns: 'Network Address' and 'Add'. The 'Network Address' column contains the following values: 10.0.0.0, 192.168.1.0, 192.168.2.0, 192.168.3.0, 192.168.4.0, and 192.168.5.0. The 'Add' column is empty. A 'Remove' button is located at the bottom right of the table. Below the table, there is a section titled 'Equivalent IOS Commands' which contains the following text: 'Cisco IOS Software, 1841 Software (C1841-ADVIPSERVICESK9-M), Version 12.4(15)T1, RELEASE SOFTWARE (fc2) Technical Support: http://www.cisco.com/techsupport Copyright (c) 1986-2007 by Cisco Systems, Inc. Compiled Wed 19-Jul-07 04:52 by pt_team Press RETURN to get started! %LINK-5-CHANGED: Interface Serial0/0/0, changed state to up %LINK-5-CHANGED: Interface Serial0/0/1, changed state to up %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up %LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0/1, changed state to up %LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0/0, changed state to up Router>enable Router# Router#configure terminal Enter configuration commands, one per line. End with CNTL/Z. Router(config)#router rip Router(config-router)#'

- FASTETHERNET 0

The screenshot shows the Router4 configuration interface. The left sidebar contains a tree view with the following categories: GLOBAL (Settings, Algorithm Settings), ROUTING (Static, RIP), SWITCHING (VLAN Database), and INTERFACE (FastEthernet0/0, FastEthernet0/1, Serial0/0/0, Serial0/0/1). The 'FastEthernet0/0' option under 'INTERFACE' is selected. The main panel is titled 'FastEthernet0/0' and contains the following configuration options: 'Port Status' (On), 'Bandwidth' (100 Mbps), 'Duplex' (Full Duplex), 'MAC Address' (0007.EC33.5501), 'IP Configuration' (IPv4 Address: 192.168.4.1, Subnet Mask: 255.255.255.0), and 'Tx Ring Limit' (10). Below the configuration options, there is a section titled 'Equivalent IOS Commands' which contains the following text: 'Router(config)#router rip Router(config-router)# Router(config-router)#end Router#configure terminal Enter configuration commands, one per line. End with CNTL/Z. Router(config)#interface FastEthernet0/0 Router(config-if)# %SYS-5-CONFIG_I: Configured from console by console'

REDE D - ROTEADOR

• SERIAL0/0/0

Router4

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

Port Status

Duplex ☐ Full Duplex ☒ On

Clock Rate 2000000

IP Configuration

IPv4 Address 10.10.30.2

Subnet Mask 255.255.255.0

Tx Ring Limit 10

Equivalent IOS Commands

```
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#
%SYS-5-CONFIG_I: Configured from console by console

Router(config-if)#exit
Router(config)#interface Serial0/0/0
Router(config-if)#
```

☐ Top

SERIAL0/0/1

Router4

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

Port Status

Duplex ☐ Full Duplex ☒ On

Clock Rate 2000000

IP Configuration

IPv4 Address 10.10.40.1

Subnet Mask 255.255.255.0

Tx Ring Limit 10

Equivalent IOS Commands

```
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface Serial0/0/1
Router(config-if)#
%SYS-5-CONFIG_I: Configured from console by console

Router(config-if)#exit
Router(config)#interface Serial0/0/0
Router(config-if)#exit
Router(config)#interface Serial0/0/1
Router(config-if)#
```

☐ Top

REDE E - SERVIDOR

• DHCP4

DHCP4

Physical **Config** Services Desktop Programming Attributes

IP Configuration

IP Configuration

☐ DHCP ☒ Static

IPv4 Address 192.168.5.5

Subnet Mask 255.255.255.0

Default Gateway 192.168.5.1

DNS Server 192.168.1.253

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address /

Link Local Address FE80::2D0:FFFF:FE0D:76E8

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

☐ Top

DHCP4

Physical **Config** Services Desktop Programming Attributes

SERVICES

HTTP

DHCP

DHCPv6

TFTP

DNS

SYSLOG

AAA

NTP

EMAIL

FTP

IoT

VM Management

Radius EAP

DHCP

Interface FastEthernet0 Service ☒ On ☐ Off

Pool Name serverPool

Default Gateway 192.168.5.1

DNS Server 0.0.0.0

Start IP Address : 192 168 5 0

Subnet Mask: 255 255 255 0

Maximum Number of Users : 20

TFTP Server: 0.0.0.0

WLC Address: 0.0.0.0

Add Save Remove

Pool Name	Default Gateway	DNS Server	Start IP Address	Subnet Mask	Max User	TFTP Server	WLC Address
serverPool	192.16...	0.0.0.0	192.16...	255.25...	20	0.0.0.0	0.0.0.0

☐ Top

REDE E – PCS

• PC5

PC5

Physical Config **Desktop** Programming Attributes

IP Configuration X

Interface FastEthernet0

IP Configuration

☒ DHCP ☐ Static

IPv4 Address 192.168.5.3

Subnet Mask 255.255.255.0

Default Gateway 192.168.5.1

DNS Server 192.168.1.253

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address /

Link Local Address FE80::20C:CFFF:FE9A:62C5

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

☐ Top

PC4

PC4

Physical Config **Desktop** Programming Attributes

IP Configuration X

Interface FastEthernet0

IP Configuration

☒ DHCP ☐ Static

IPv4 Address 192.168.5.4

Subnet Mask 255.255.255.0

Default Gateway 192.168.5.1

DNS Server 192.168.1.253

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address /

Link Local Address FE80::2D0:BCFF:FE82:A3CC

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

☐ Top

• PC3

PC3

Physical Config **Desktop** Programming Attributes

IP Configuration X

Interface FastEthernet0

IP Configuration

☒ DHCP ☐ Static

IPv4 Address 192.168.5.2

Subnet Mask 255.255.255.0

Default Gateway 192.168.5.1

DNS Server 192.168.1.253

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address /

Link Local Address FE80::2E0:F7FF:FEA0:CB4E

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

☐ Top

REDE E – ROTEADOR

• RIP

The screenshot shows the Router5 configuration window with the 'Config' tab selected. On the left sidebar, the 'ROUTING' section is expanded, and 'RIP' is selected. The main area displays the 'RIP Routing' configuration. Under the 'Network' section, there is a table with the following entries:

Network Address
10.0.0.0
192.168.1.0
192.168.2.0
192.168.3.0
192.168.4.0
192.168.5.0

Below the table is a 'Remove' button. At the bottom of the window, the 'Equivalent IOS Commands' section shows the following commands:

```
Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#router rip
Router(config-router)#
```

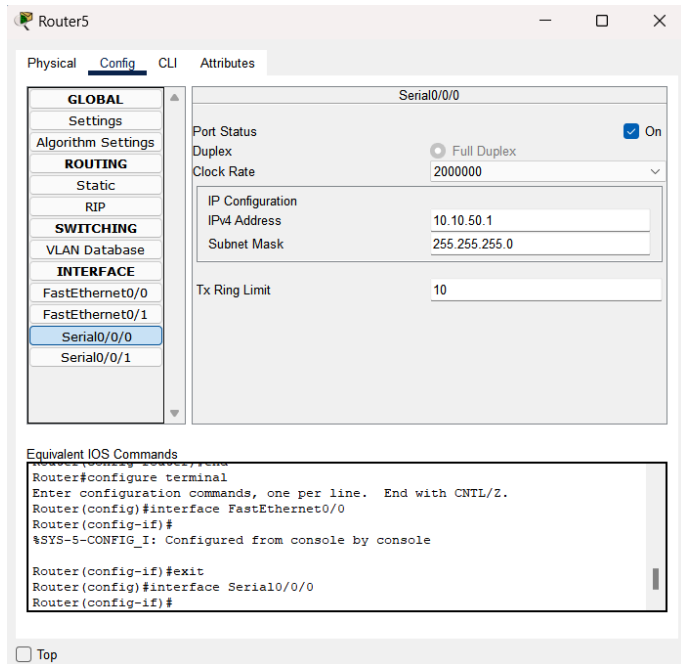
• FASTETHERNET 0

The screenshot shows the Router5 configuration window with the 'Config' tab selected. On the left sidebar, the 'INTERFACE' section is expanded, and 'FastEthernet0/0' is selected. The main area displays the 'FastEthernet0/0' configuration. The 'Port Status' is 'On'. The 'Bandwidth' is set to '100 Mbps'. The 'Duplex' is set to 'Full Duplex'. The 'MAC Address' is '000A.F3E4.C701'. The 'IP Configuration' section shows the 'IPv4 Address' as '192.168.5.1' and the 'Subnet Mask' as '255.255.255.0'. The 'Tx Ring Limit' is set to '10'. Below the configuration area, the 'Equivalent IOS Commands' section shows the following commands:

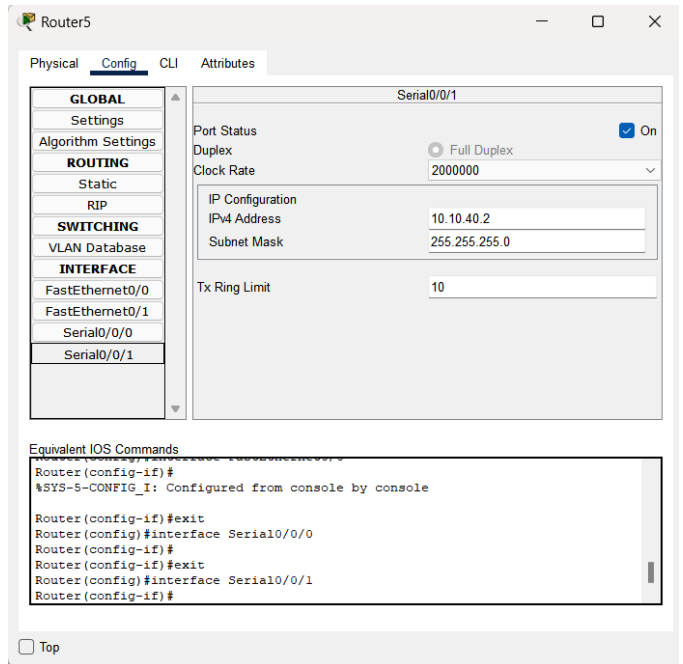
```
Router(config)#router rip
Router(config-router)#
Router(config-router)#end
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#
%SYS-5-CONFIG_I: Configured from console by console
```

REDE E - ROTEADOR

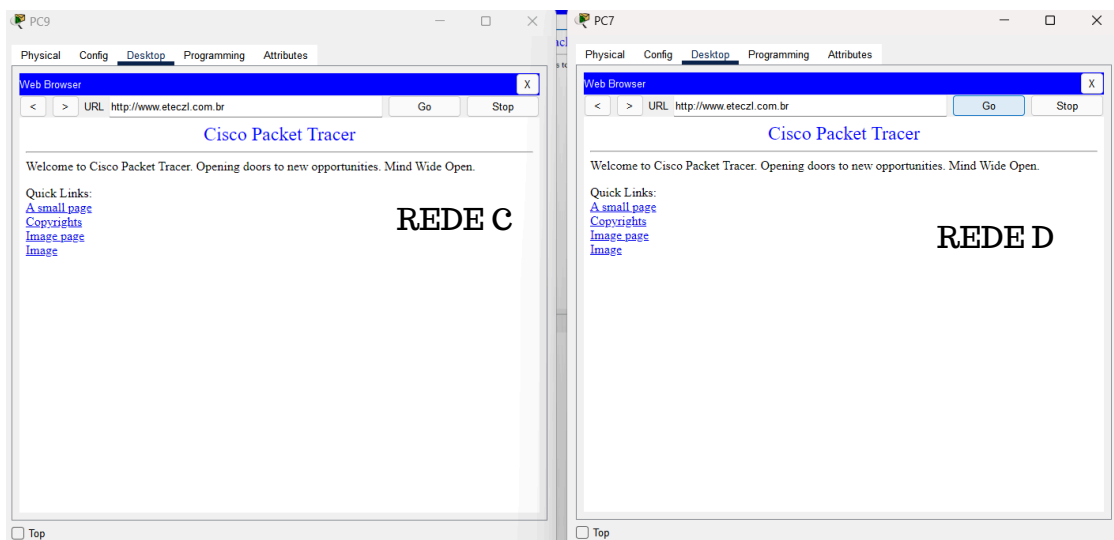
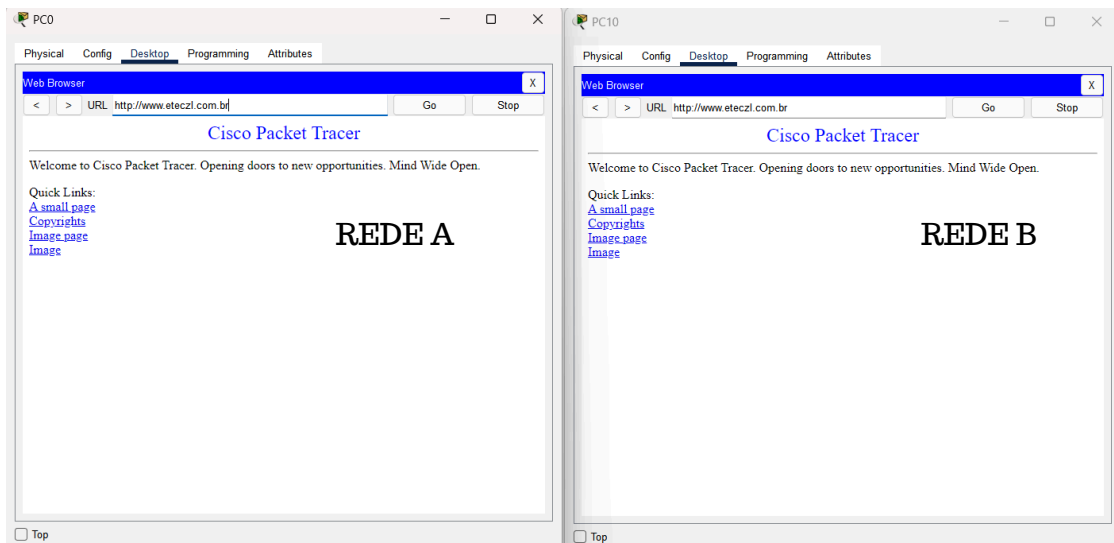
• SERIAL0/0/0



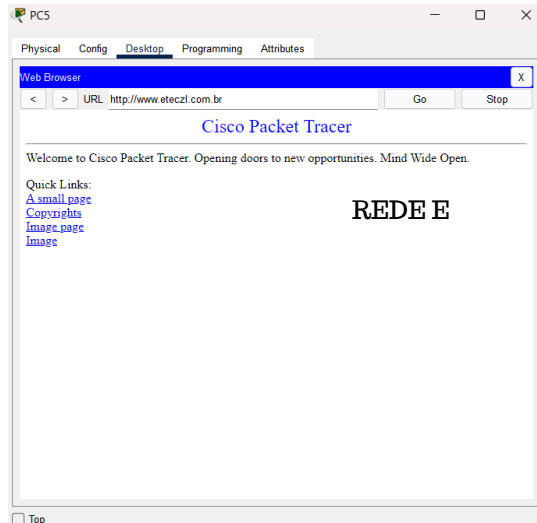
SERIAL0/0/1



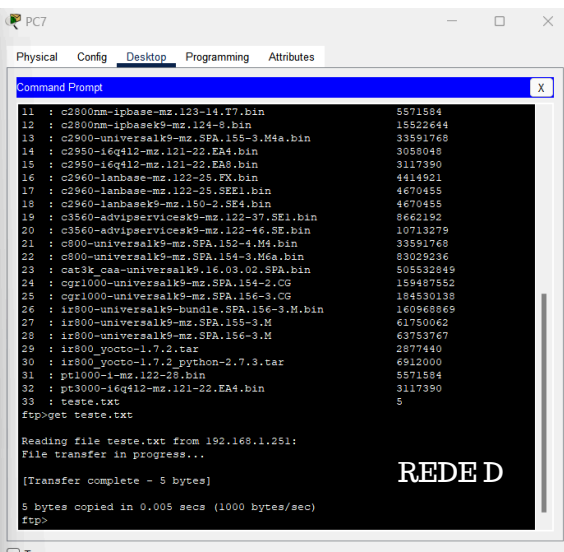
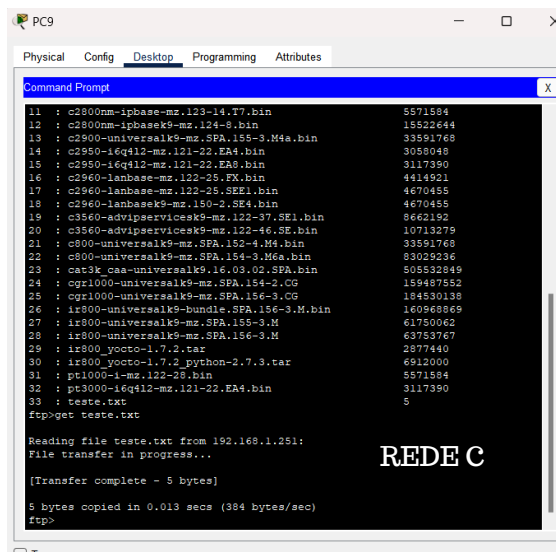
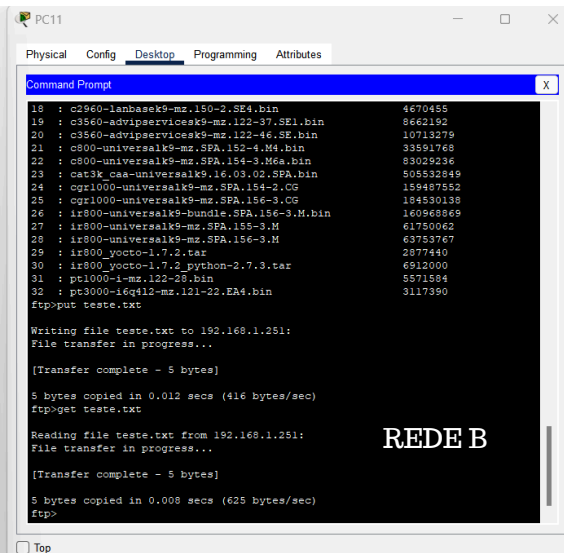
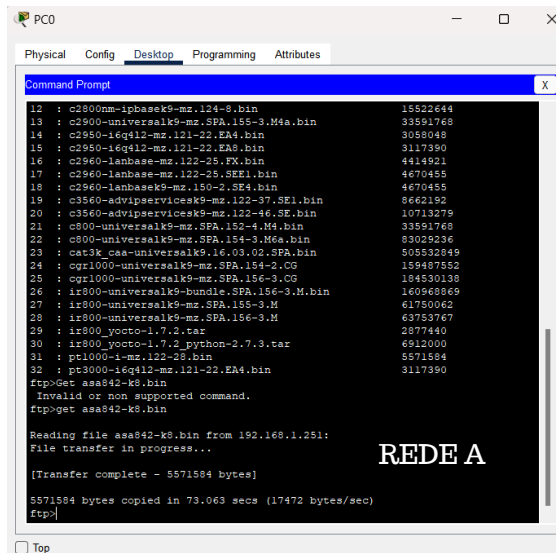
TESTES WEB



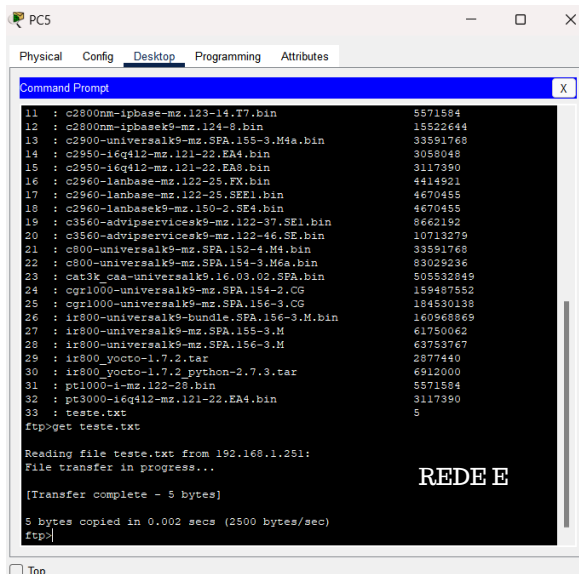
TESTES WEB



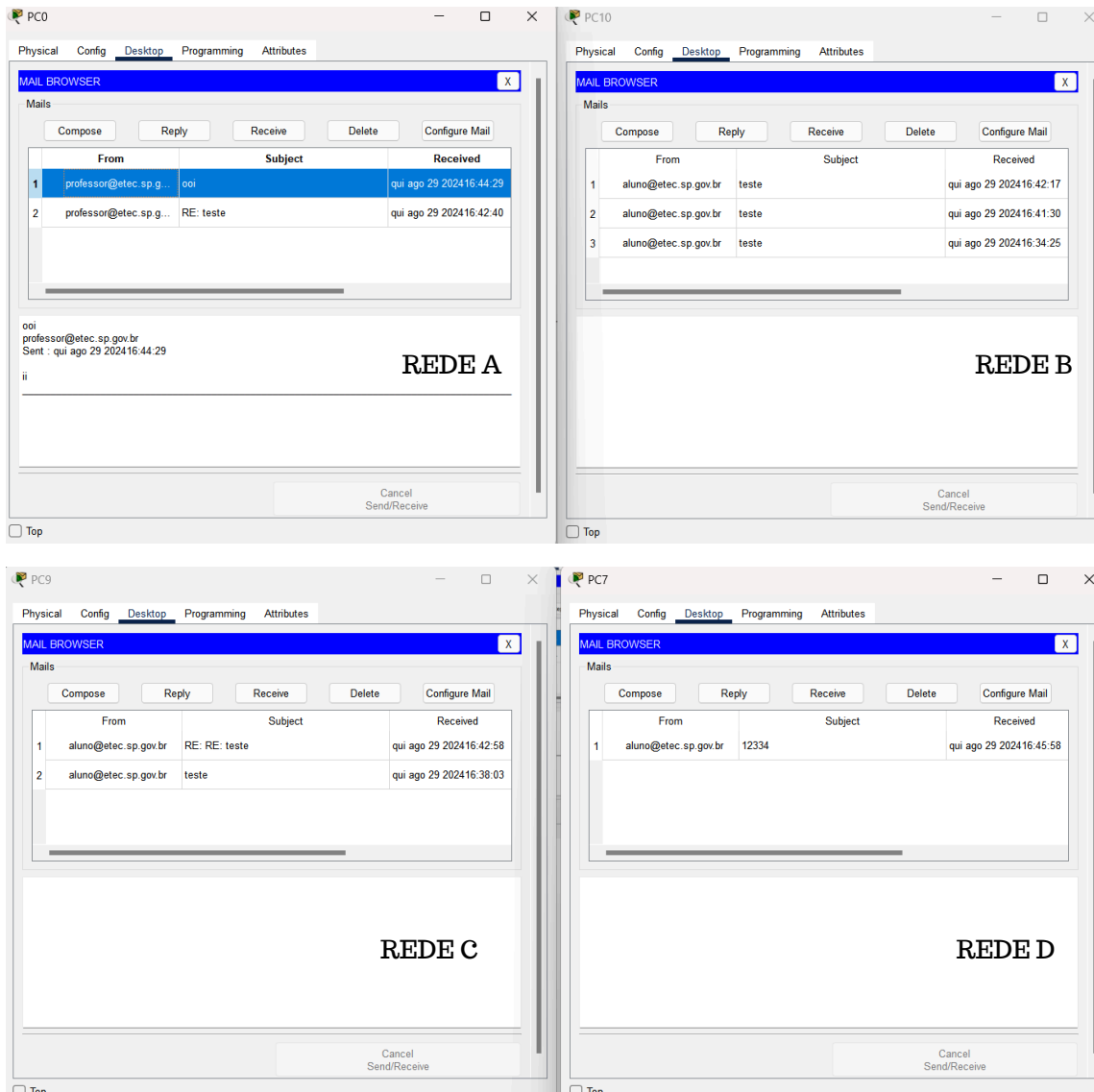
TESTES FTP



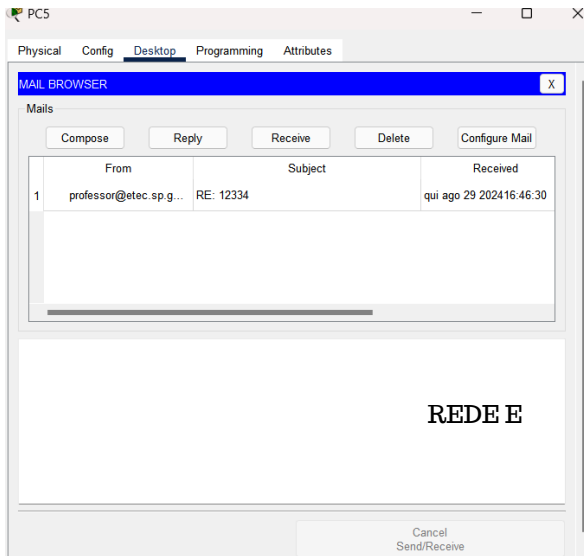
TESTES FTP



TESTES EMAIL



TESTES EMAIL



TESTES PACOTE

