



REDES DE COMPUTADORES

TRABALHO 03

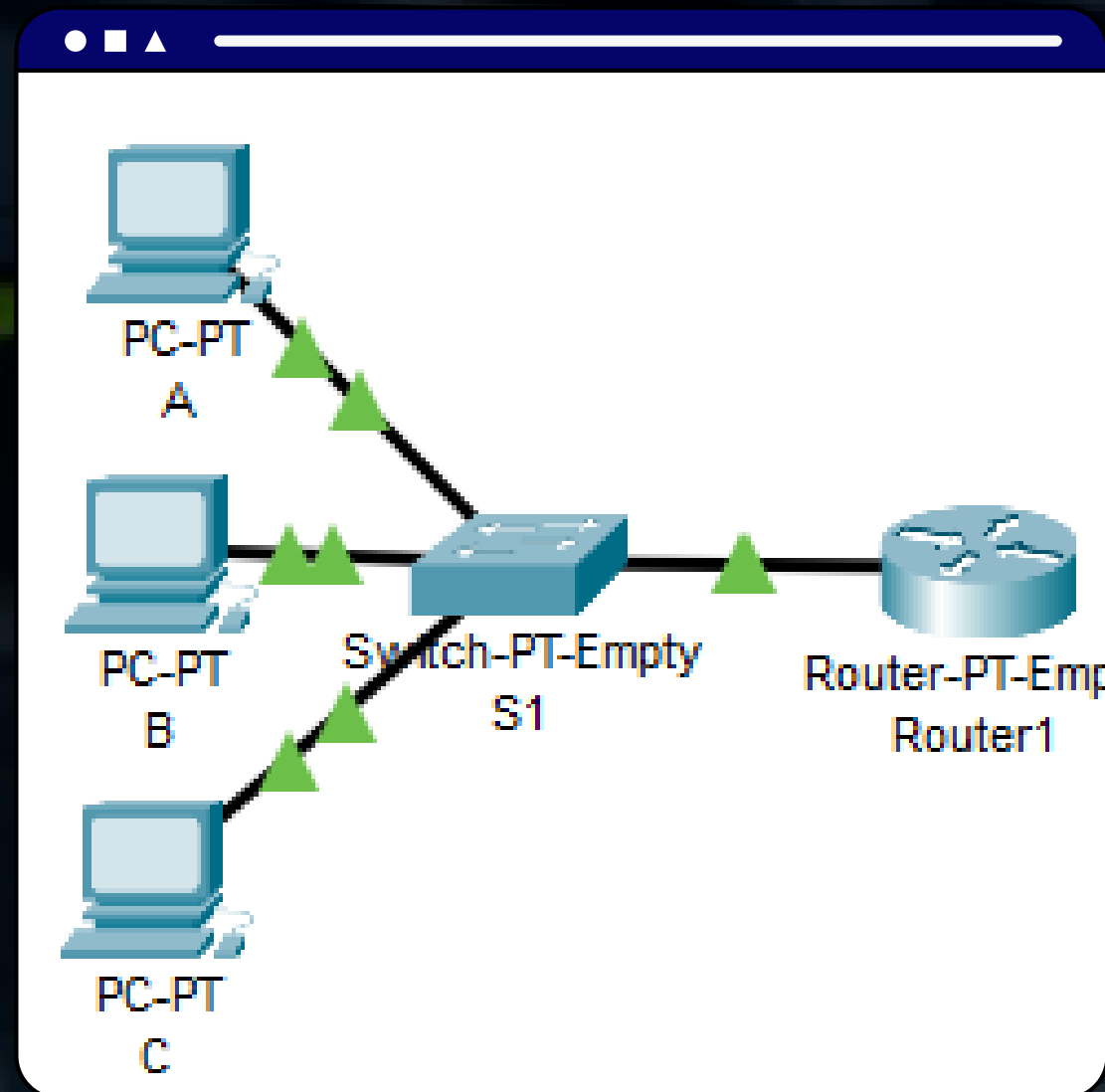
FERNANDO FURTADO

IPB

COMPUTADORES

- PCA - 192.17.5.2
- PCB - 192.17.10.2
- PCC - 192.17.15.2

Máscara
255.255.255.0



SWITCH 1

- VLAN 5
- VLAN 10
- VLAN 15

ROUTER

- Trunk Switch 1

TOPOLOGIA 01


```
Device Name: Router1
Device Model: Router-PT-Empty
Hostname: Router
```

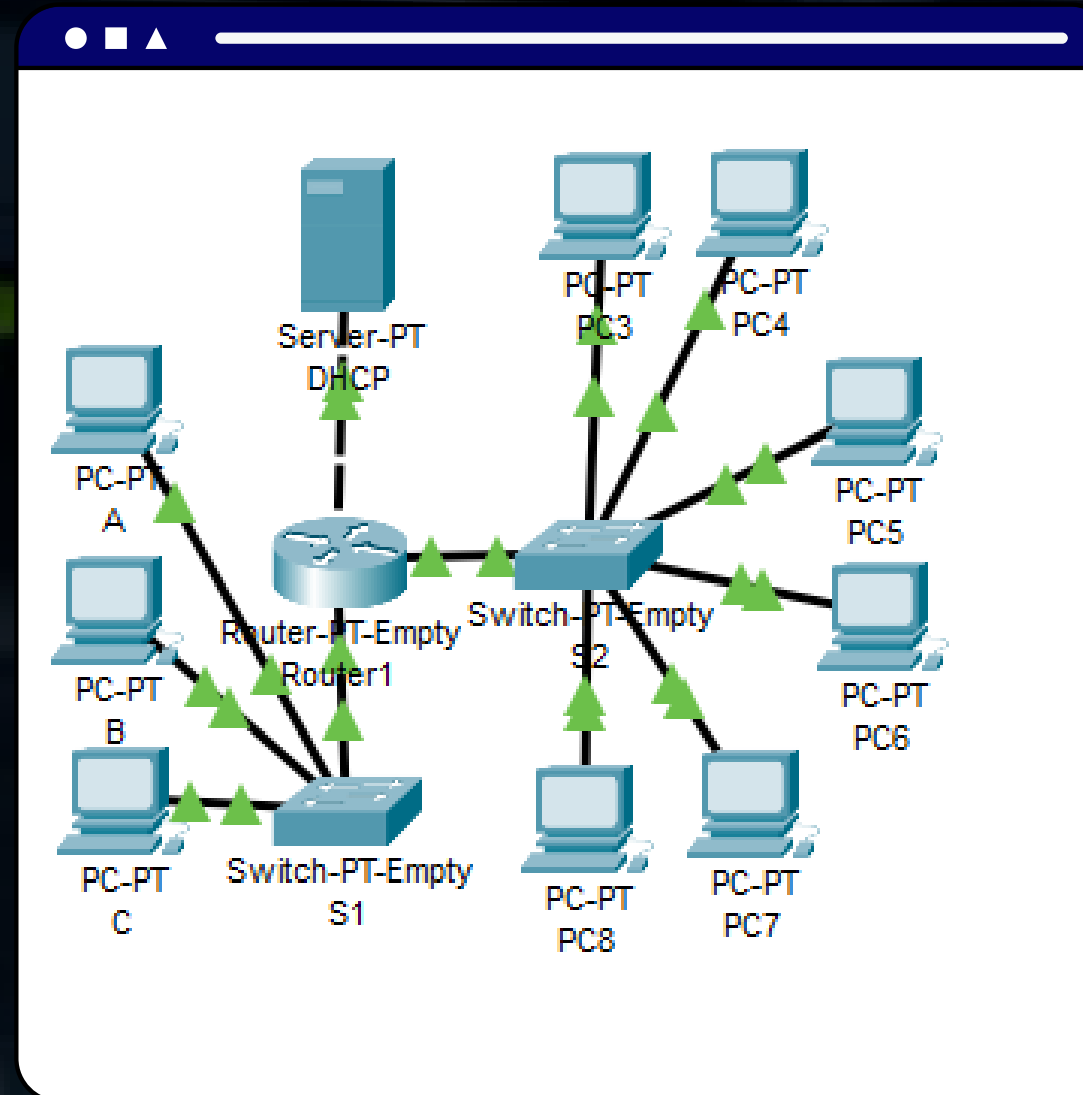
Port	Link	IP Address
FastEthernet0/0	Up	<not set>
FastEthernet0/0.5	Up	193.17.5.1/24
FastEthernet0/0.10	Up	193.17.10.1/24
FastEthernet0/0.15	Up	193.17.15.1/24

EXEMPLOS**ROTEADOR**

COMPUTADORES

- 6 PCs
- DHCP

Máscara
255.255.255.0/24



DHCP SERVER

- 192.168.99.2
- 192.168.99.1
-

SWICHT 2

- VLAN 100
- VLAN 200

TOPOLOGIA 02

Device Name: S2				
Device Model: Switch-PT-Empty				
Hostname: S2				
Port	Link	VLAN	IP Address	M
FastEthernet0/1	Up	--	--	0
FastEthernet1/1	Up	100	--	0
FastEthernet2/1	Up	100	--	0
FastEthernet3/1	Up	100	--	0
FastEthernet4/1	Up	200	--	0
FastEthernet5/1	Up	200	--	0
FastEthernet6/1	Up	200	--	0
Vlan1	Up	1	<not set>	0

SWITCH 2

EXEMPLOS

EXEMPLOS

DHCP

Physical
Config
Services
Desktop
Programming
Attributes

GLOBAL
Settings
Algorithm Settings
INTERFACE

Global Settings
Display Name
DHCP
Gateway/DNS IPv4
☐ DHCP
☒ Static
Default Gateway
192.168.99.1
DNS Server
8.8.8.8

DHCP CONFIG

DHCP POOLS

Pool Name	Default Gateway	DNS Server	Start IP Address	Subnet Mask	
VLAN20	192.168.2.1	8.8.8.8	192.168.2.3	255.255.255.0	1
VLAN10	192.168.1.1	8.8.8.8	192.168.1.3	255.255.255.0	1
serverPool	192.168.99.1	8.8.8.8	192.168.99.3	255.255.255.0	1

EXEMPLOS

```
Device Name: Router1
Device Model: Router-PT-Empty
Hostname: Router

Port                Link    IP Address          IPv6 Address
FastEthernet0/0     Up      <not set>           <not set>
FastEthernet0/0.5   Up      193.17.5.1/24       <not set>
FastEthernet0/0.10  Up      193.17.10.1/24      <not set>
FastEthernet0/0.15  Up      193.17.15.1/24      <not set>
FastEthernet1/0     Up      192.168.99.1/24     <not set>
FastEthernet2/0     Up      <not set>           <not set>
FastEthernet2/0.100 Up      192.168.1.1/24      <not set>
FastEthernet2/0.200 Up      192.168.2.1/24      <not set>

Physical Location: Intercity > Home City > Corporate Office >
```

ROTEADOR

EXEMPLOS

PC7

Physical Config **Desktop** Programming Attributes

IP Configuration

Interface FastEthernet0

IP Configuration

☒ DHCP ☐ Static

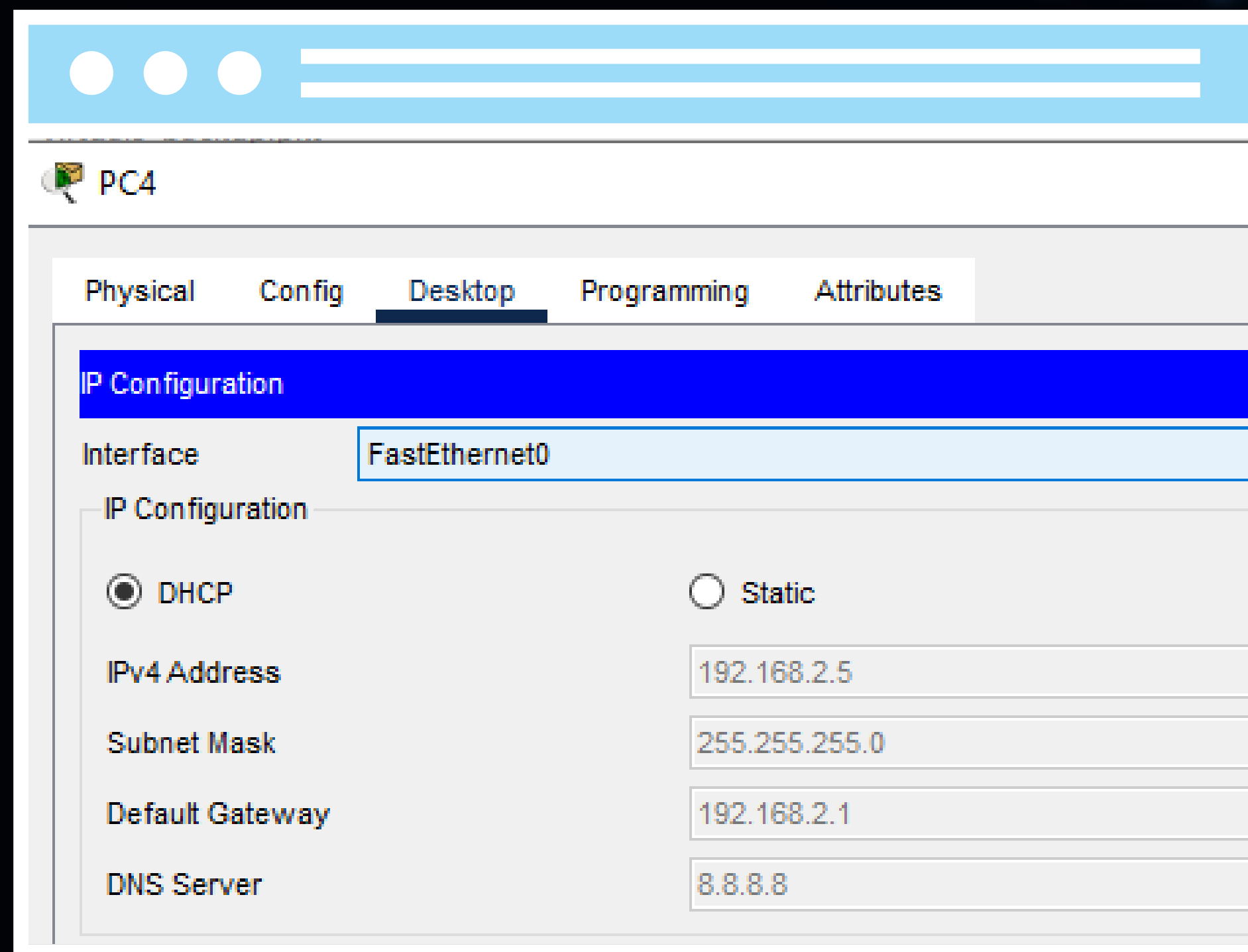
IPv4 Address 192.168.1.5

Subnet Mask 255.255.255.0

Default Gateway 192.168.1.1

DNS Server 8.8.8.8

PC7 - VLAN 100



PC4

Physical Config **Desktop** Programming Attributes

IP Configuration

Interface FastEthernet0

IP Configuration

☒ DHCP ☐ Static

IPv4 Address 192.168.2.5

Subnet Mask 255.255.255.0

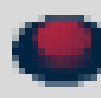





Default Gateway 192.168.2.1

DNS Server 8.8.8.8

PC4 - VLAN 200

EXEMPLOS

EXEMPLOS

Fire	Last Status	Source	Destination	Type	Color
	Successful	PC4	PC3	ICMP	
	Successful	PC8	PC7	ICMP	
	Failed	PC5	PC6	ICMP	

COMUNICAÇÃO



OBRIGADO!

SUCESSOS!