

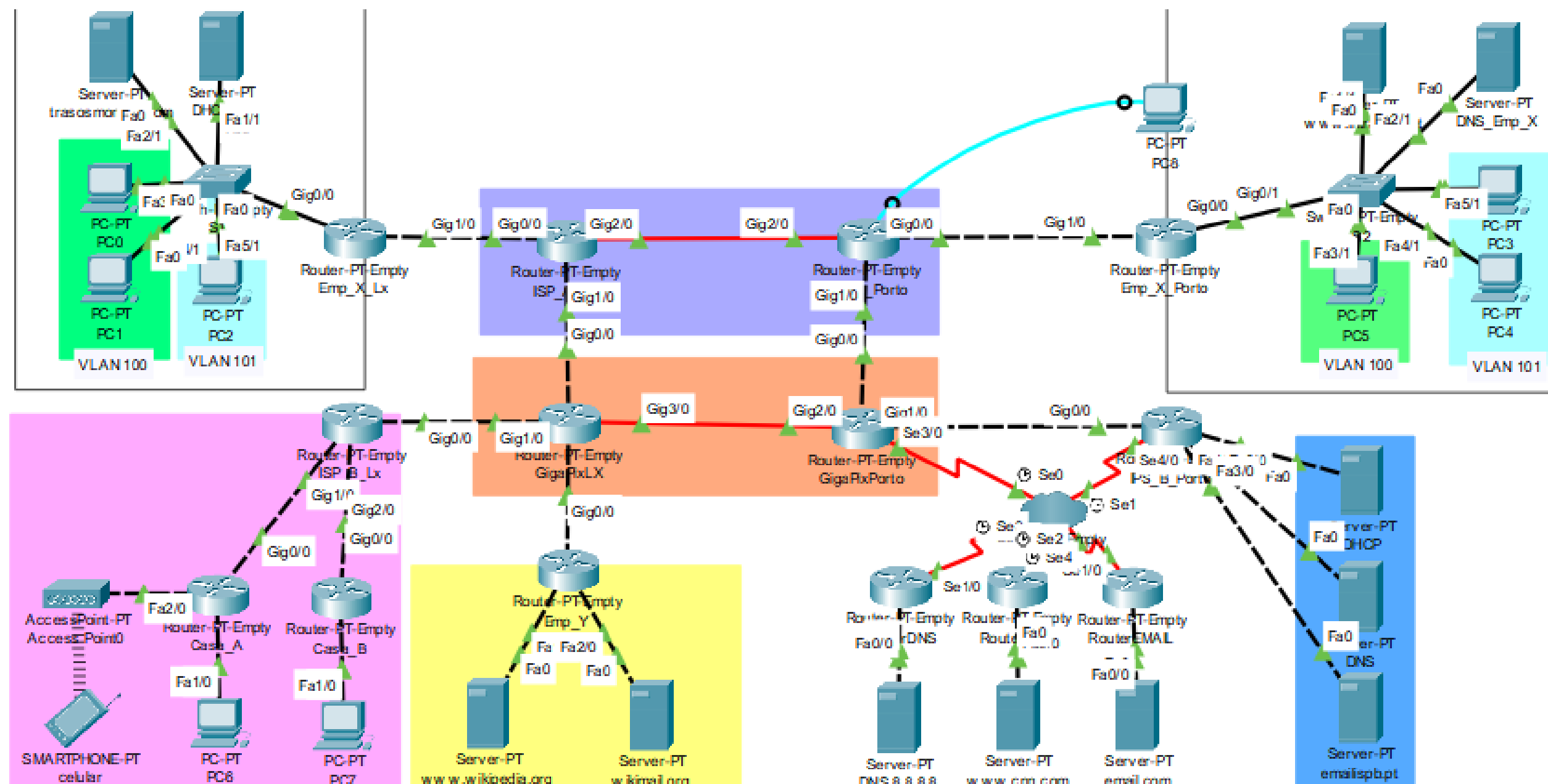


REDES DE COMPUTADORES

TRABALHO FINAL

FERNANDO FURTADO

IPB



TOPOLOGIA

• Switch







```
enable
config t
interface Fa0/0
switchport mode trunk
switchport trunk allowed vlan all
switchport mode access
switchport access vlan 100
banner motd #
enable secret xpto
password xpto1
login
enable password xpto1
copy run start
sh vlan brief
sh run
```

COMANDOS

• Router







```
enable
config t
interface Fa0/0.vlan
encapsulation dot1Q vlan
encapsulation frame-relay
ip address <ip> <mask>
ip route <dest> <mask> <ip>
router rip
    network <ip>
router ospf 1
    network <ip> <mask> area N
ip dhcp excluded-address <ip>
ip dhcp pool <namePool>
    network <ip> <mask>
    default-router <ip>
    dns-server <ip>
    ip helper-address <ip-dhcp>
```



Fire	Last Status	Source	Destination	Type	Color	Time(sec)
	Successful	Smartphone	PC7	ICMP		0.000
	Successful	PC1	PC5	ICMP		0.000
	Successful	PC2	PC4	ICMP		0.000

- **VLAN 1**
- **VLAN 100**
- **VLAN 101**

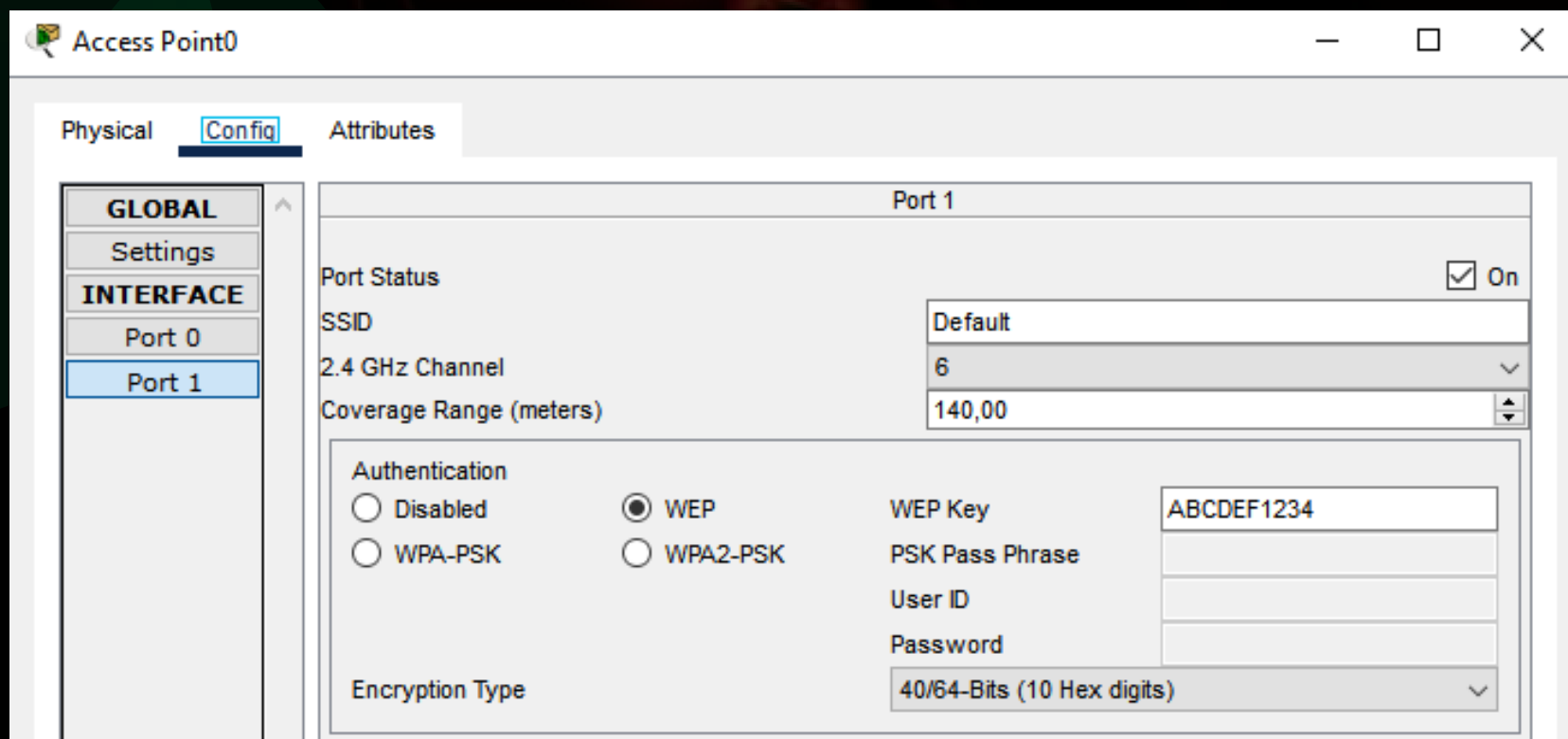
MENSAGEM

Fire	Last Status	Source	Destination	Type	Color	Time(sec)
	Successful	PC1	PC2	ICMP		0.000
	Successful	PC1	Smartphone	ICMP		0.000
	Successful	PC2	Smartphone	ICMP		0.000

- **VLAN 100 - 101**
- **VLAN 100 - 001**
- **VLAN 101 - 001**

MENSAGEM

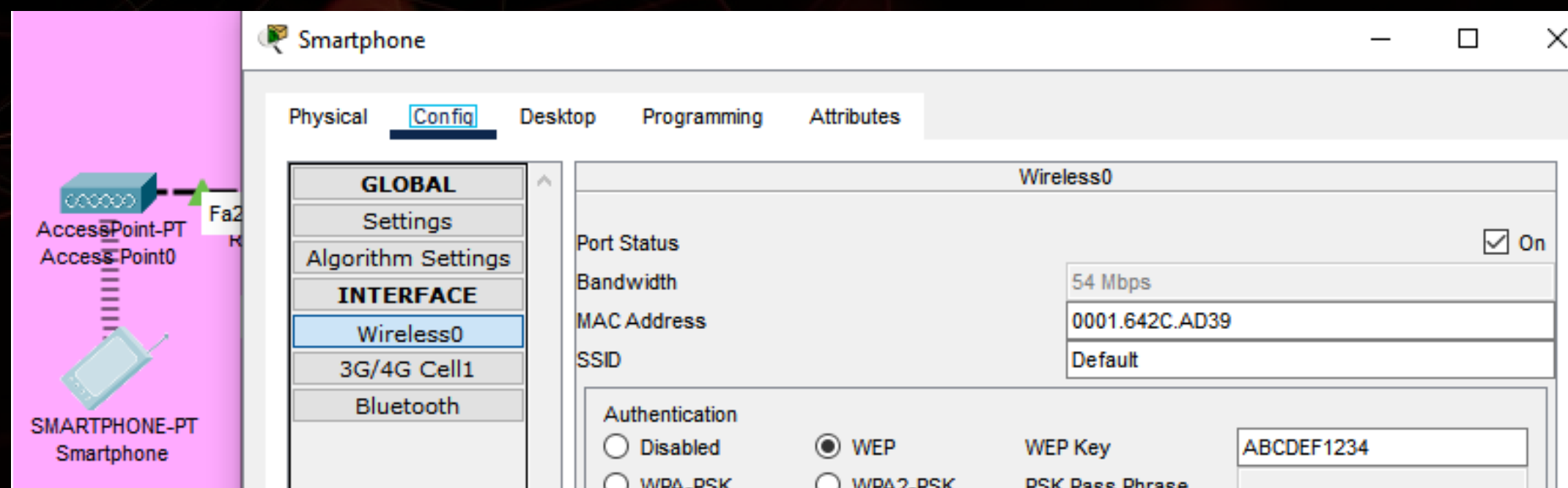
EXEMPLO



ACCESS POINT

EXEMPLO

SMARTPHONE



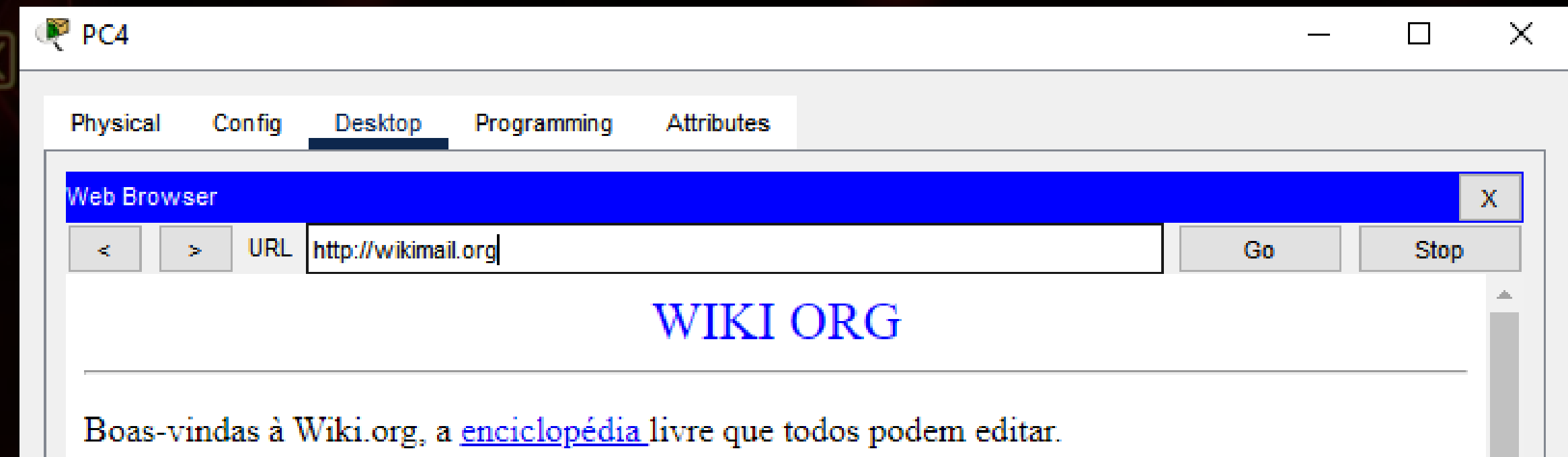
EXEMPLO

VLAN 1

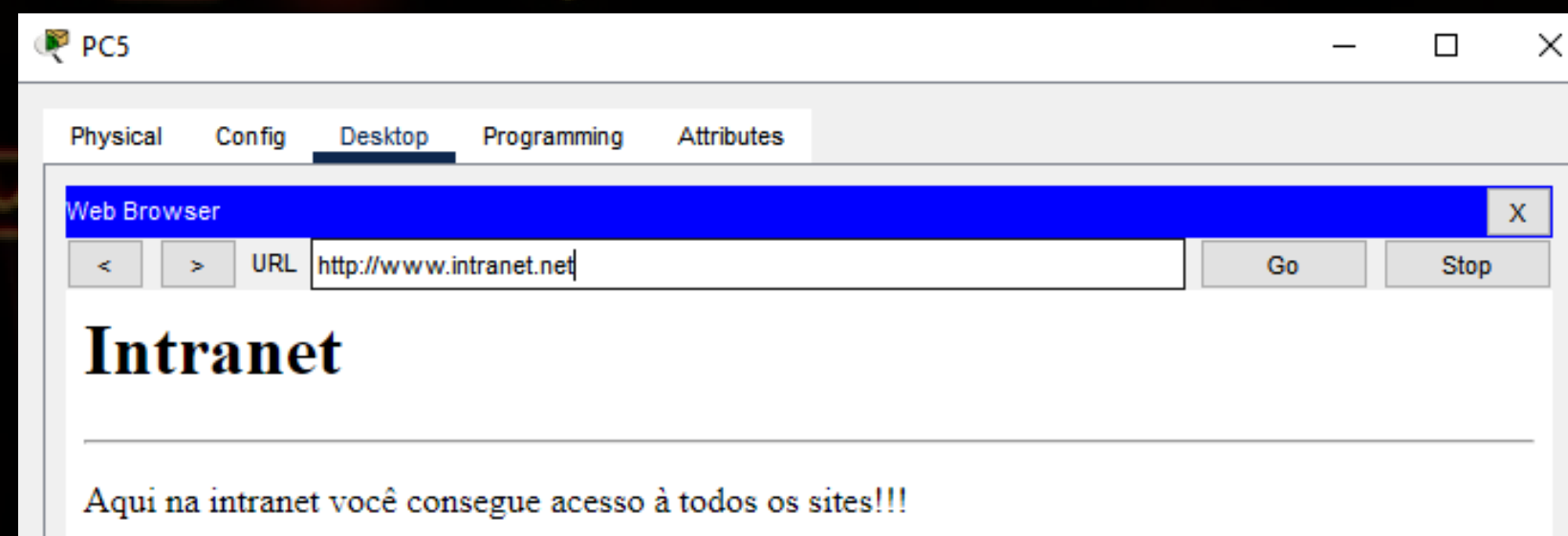


ACESSO AOS SITES

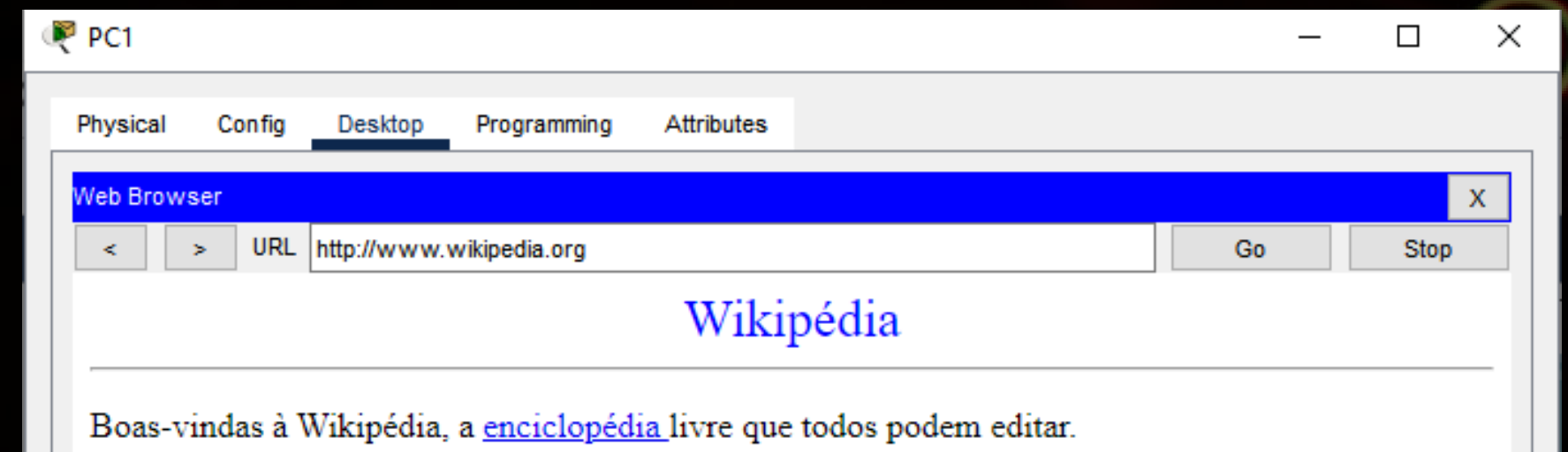
VLAN 101



EXEMPLO

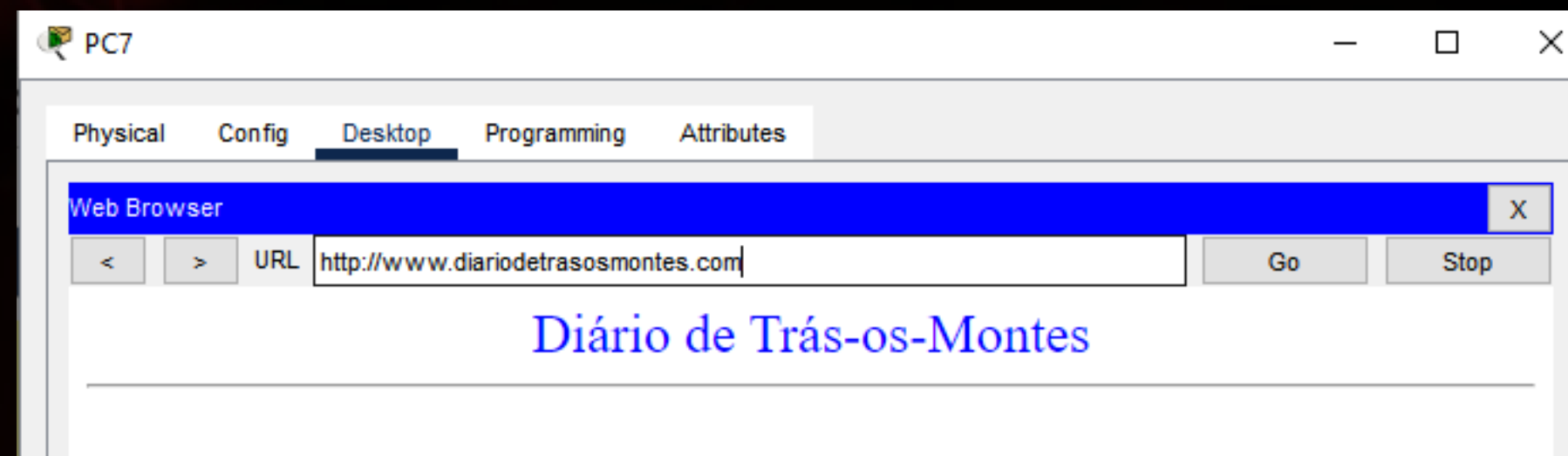


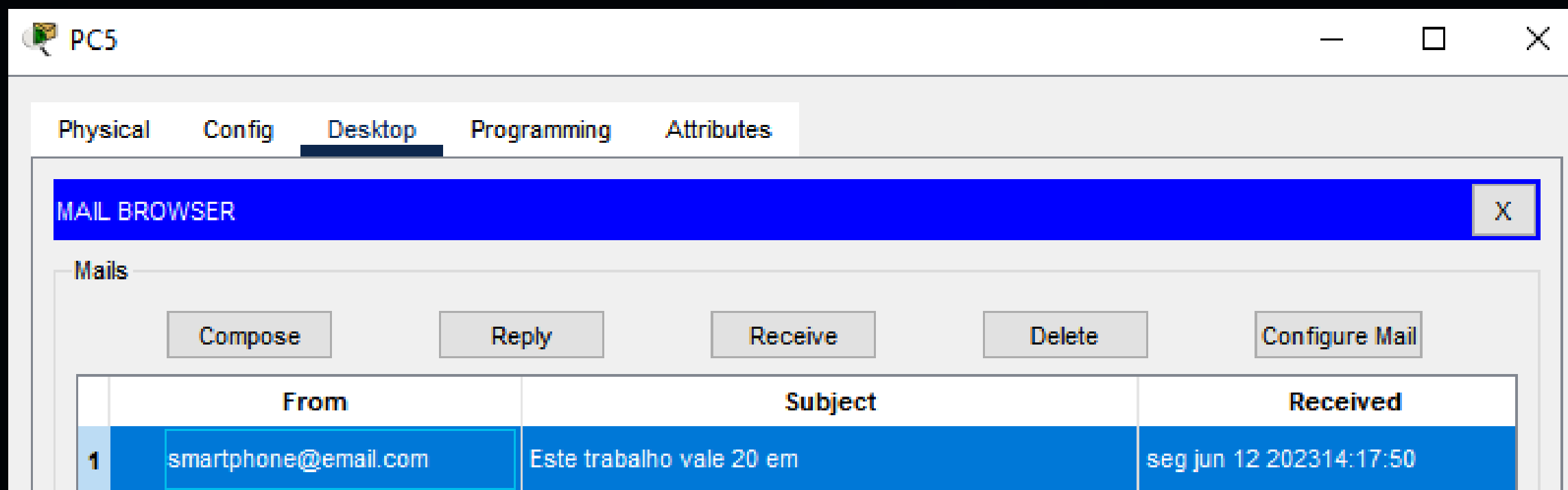
VLAN 100



VLAN 100

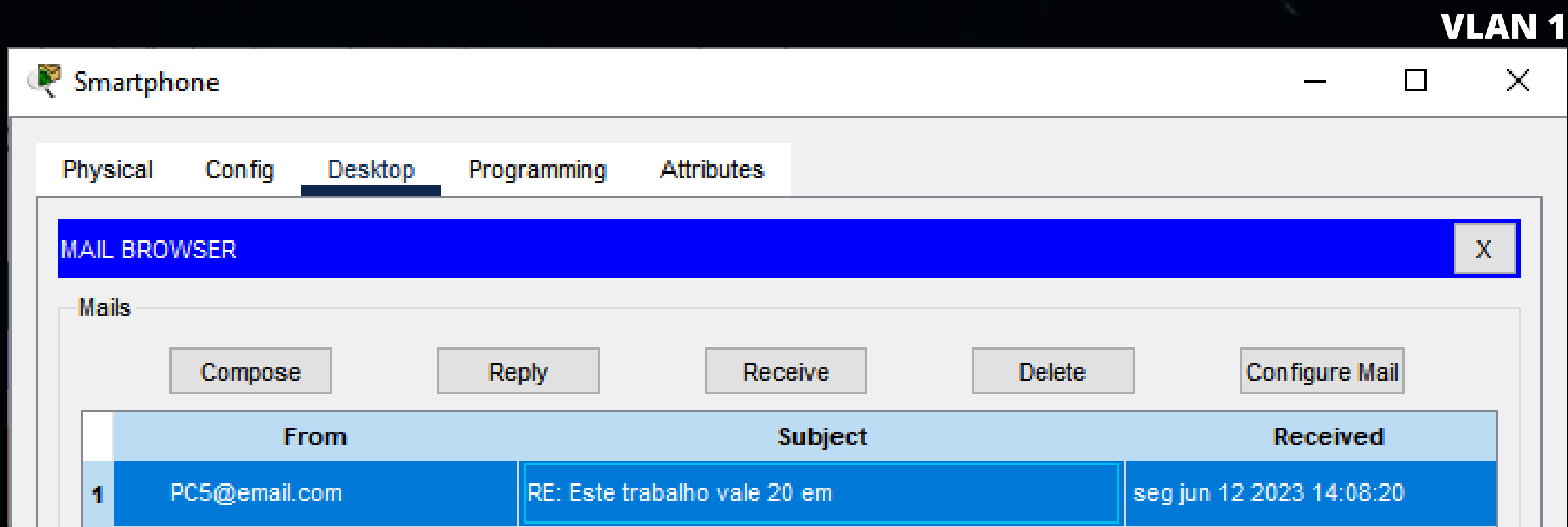
VLAN 1





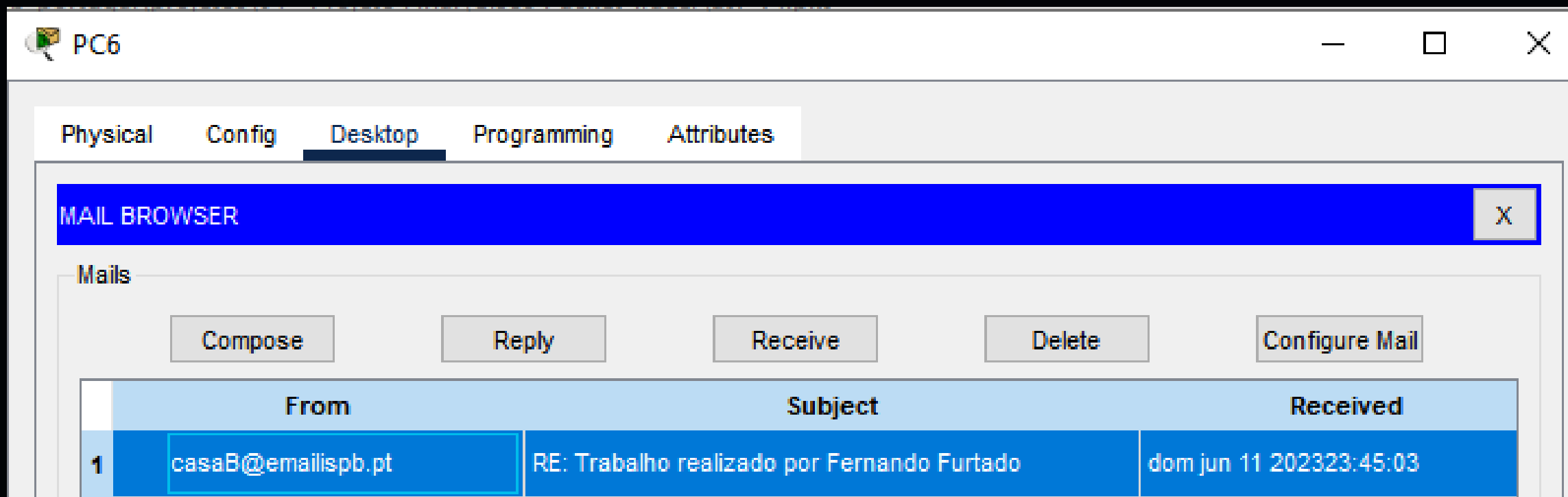
VLAN 100

TROCA DE EMAIL PC5 E SMARTPHONE



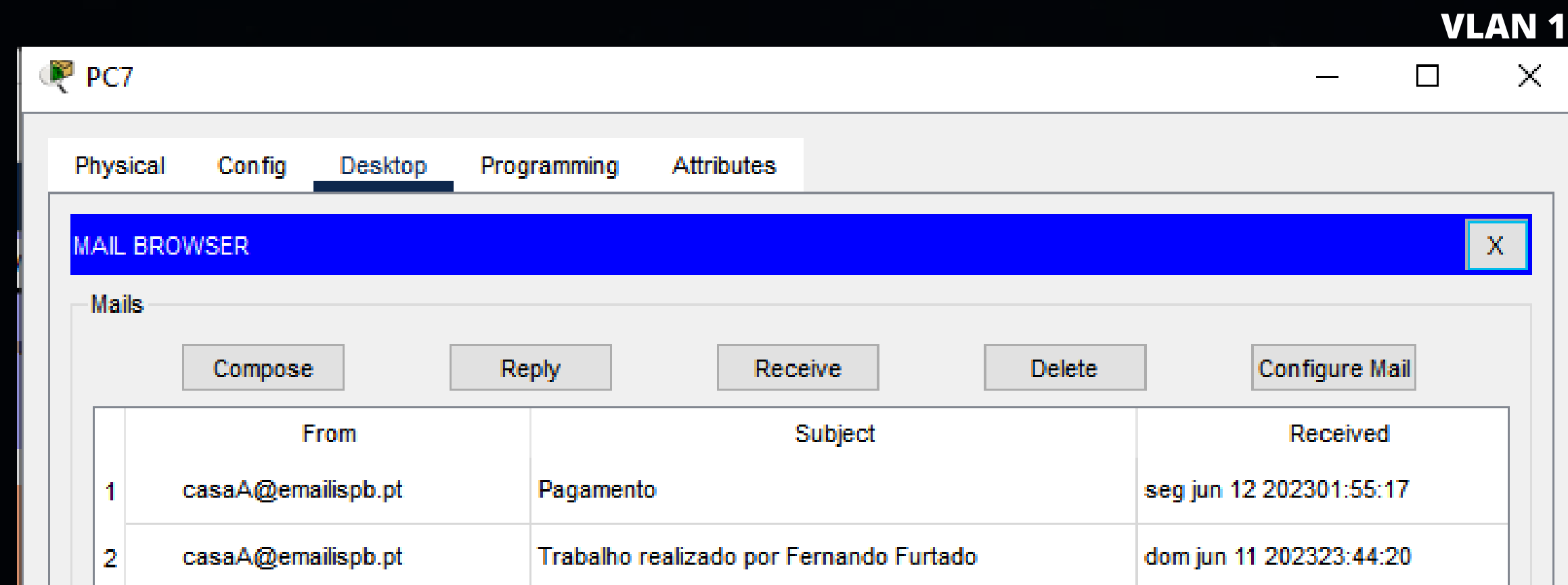
VLAN 1

EXEMPLO



VLAN 1

TROCA DE EMAIL PC6 E PC7



EXEMPLO

PC0

PhysicalConfigDesktopProgrammingAttributes

MAIL BROWSER

Mails

ComposeReplyReceiveDeleteConfigure Mail

	From	Subject	Received
1	PC4@email.com	RE: Sei que este trabalho vale 20	seg jun 12 2023 14:23:17
2	PC5@email.com	RE: Mensagem do PC0	seg jun 12 2023 12:50:29

VLAN 100101 & 100

TROCA DE EMAIL PC0 E PC4

PC4

PhysicalConfigDesktopProgrammingAttributes

MAIL BROWSER

Mails

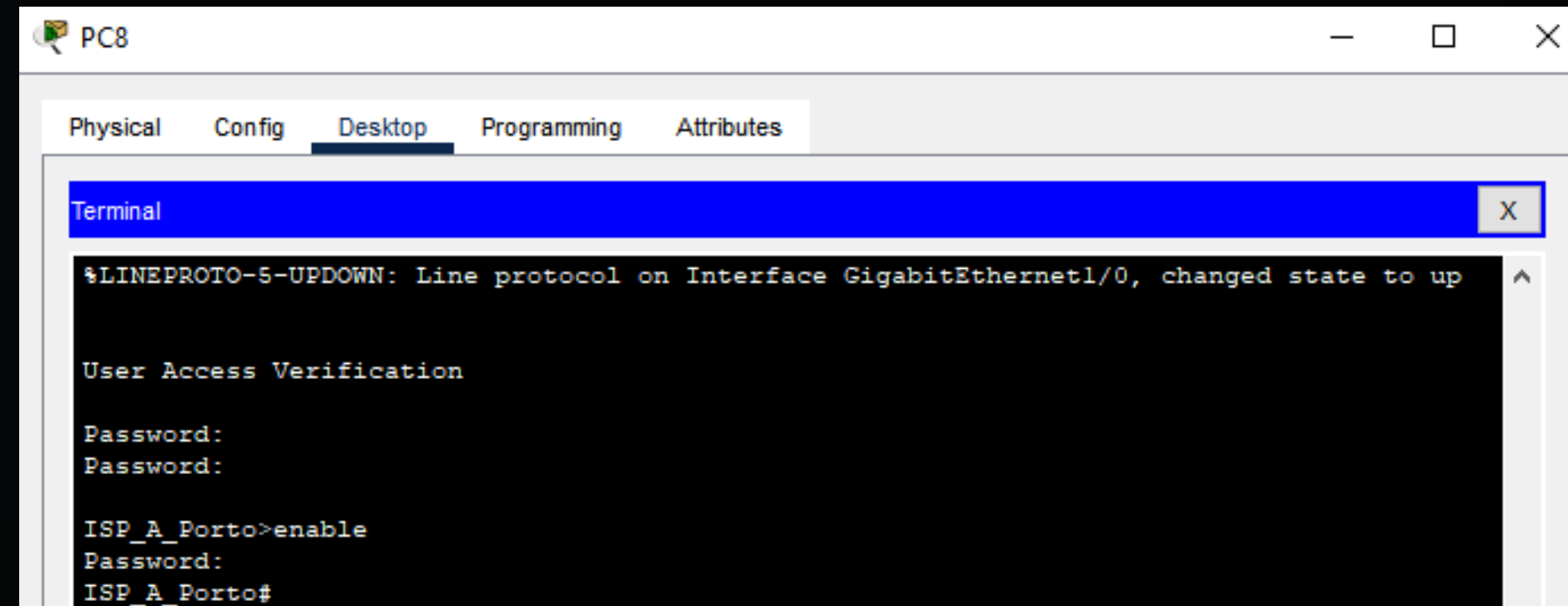
ComposeReplyReceiveDeleteConfigure Mail

1	PC0@email.com	Sei que este trabalho vale 20	seg jun 12 2023 14:19:18
2	PC2@email.com	Mensagem do PC2	seg jun 12 2023 12:51:02

VLAN 101100 & 101

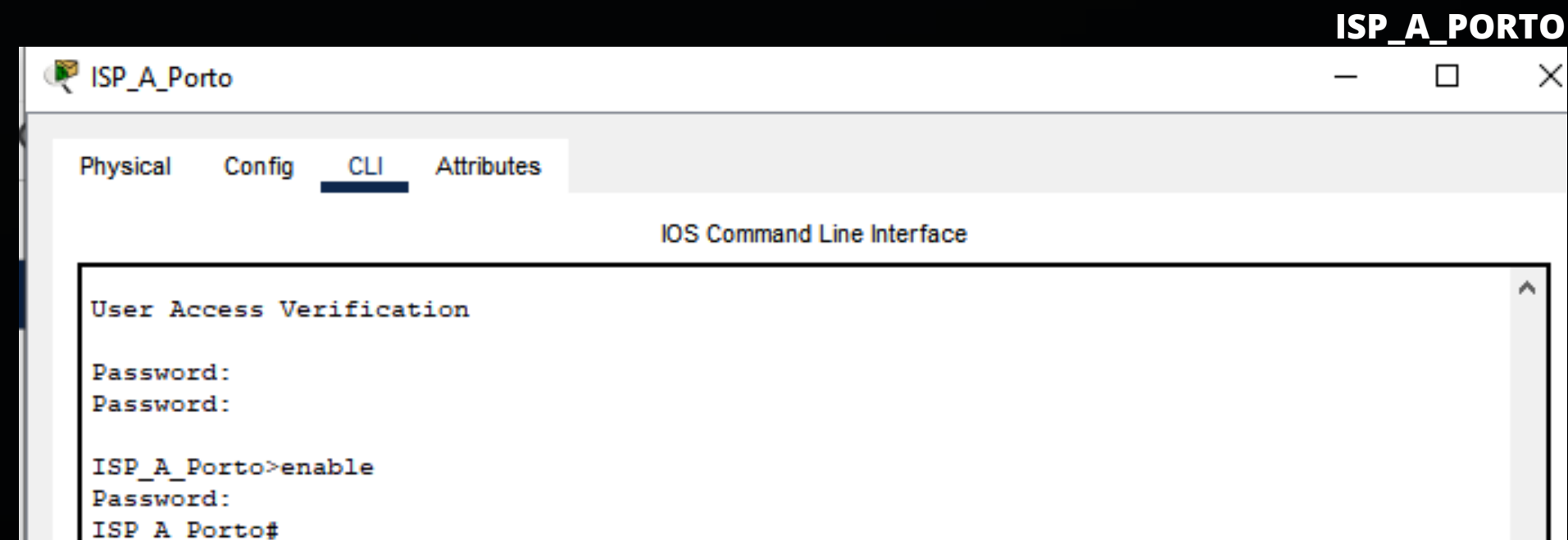
EXEMPLO

EXEMPLO



PC8

PC8 GERE ROUTEADOR



ISP_A_PORTO

EXEMPLO

```
ip dhcp excluded-address 10.0.1.97
ip dhcp excluded-address 10.0.1.0 10.0.1.99
!
ip dhcp pool Casa_A_DHCP
 network 10.0.2.0 255.255.255.240
 default-router 10.0.2.1
 dns-server 8.8.8.8
!
IPS_B_Porto#
```

DHCP ROTEADOR

BANNER & SENHA

```
IPB - ESTIG (2023)

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Seja bem vindo(a) ao Roteador Giga Pix LX, Fernando Furtado!
-----

Siga com as configuracoes desejadas.


User Access Verification

Password:

GigaPixLX>enable
Password:
GigaPixLX#
```



OBRIGADO!

S U C E S S O S !