



Escola Senai "Roberto Simonsen"
Curso Técnico em Redes de Computadores

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Cássio de Albuquerque

Comutação de Redes

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Cássio de Albuquerque



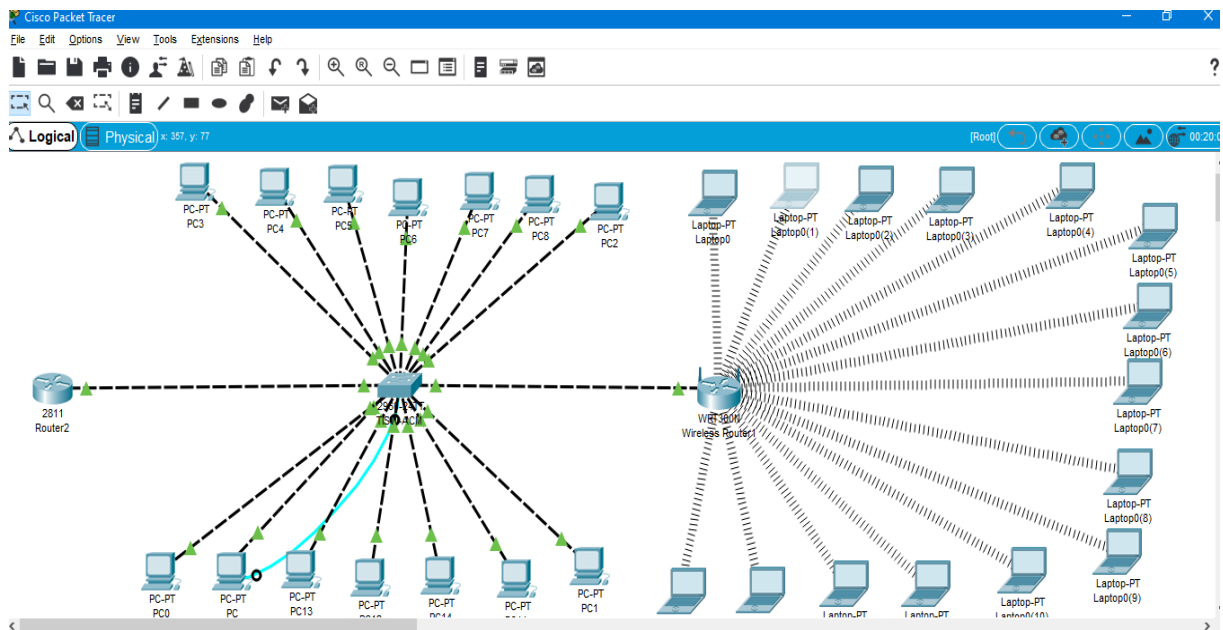
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Configuração do SWITCH

Atividade Proposta

1. Criou topologia no simulador?
2. Configurou o Switch 2960, conectando as portas nas respectivas VLANs?
3. Configurou o Roteador 2811, declarando os endereços lógicos nas interfaces indicadas?
4. Configurou o Access Point?
5. Configurou os endereços lógicos nos hosts da rede, conforme orientações?
6. Testou as configurações realizadas?

Criou topologia no simulador?



Layout da rede: 14 Desktops, 15 notebooks, 01 Swicht 2960, 01 Roteador 2811 e 01 Access Point.

Configurou o Switch 2960, conectando as portas nas respectivas VLANs?

Criação das Vlans 10 e 20 com os nomes ADM e Marketing

```
User Access Verification

Password:
Password:

TISW-ACME>enable
TISW-ACME#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
TISW-ACME(config)#vlan 10
TISW-ACME(config-vlan)#name ADM
TISW-ACME(config-vlan)#exit
TISW-ACME(config)#vlan 20
TISW-ACME(config-vlan)#name Marketing
TISW-ACME(config-vlan)#exit
TISW-ACME(config)#
```

Ctrl+F6 to exit CLI focus

Copy Paste

☐ Top

Atribuindo as portas utilizadas pelos PCs no Switch às suas respectivas Vlan:

```
TISW-ACME(config-if)#switch mode access
TISW-ACME(config-if)#exit
TISW-ACME(config)#interface f0/1
TISW-ACME(config-if)#switch mode access
TISW-ACME(config-if)#switch access vlan 10
TISW-ACME(config-if)#exit
TISW-ACME(config)#interface f0/2
TISW-ACME(config-if)#switch mode access
TISW-ACME(config-if)#switch access vlan 10
TISW-ACME(config-if)#exit
TISW-ACME(config)#
```

Ctrl+F6 to exit CLI focus

Copy Paste

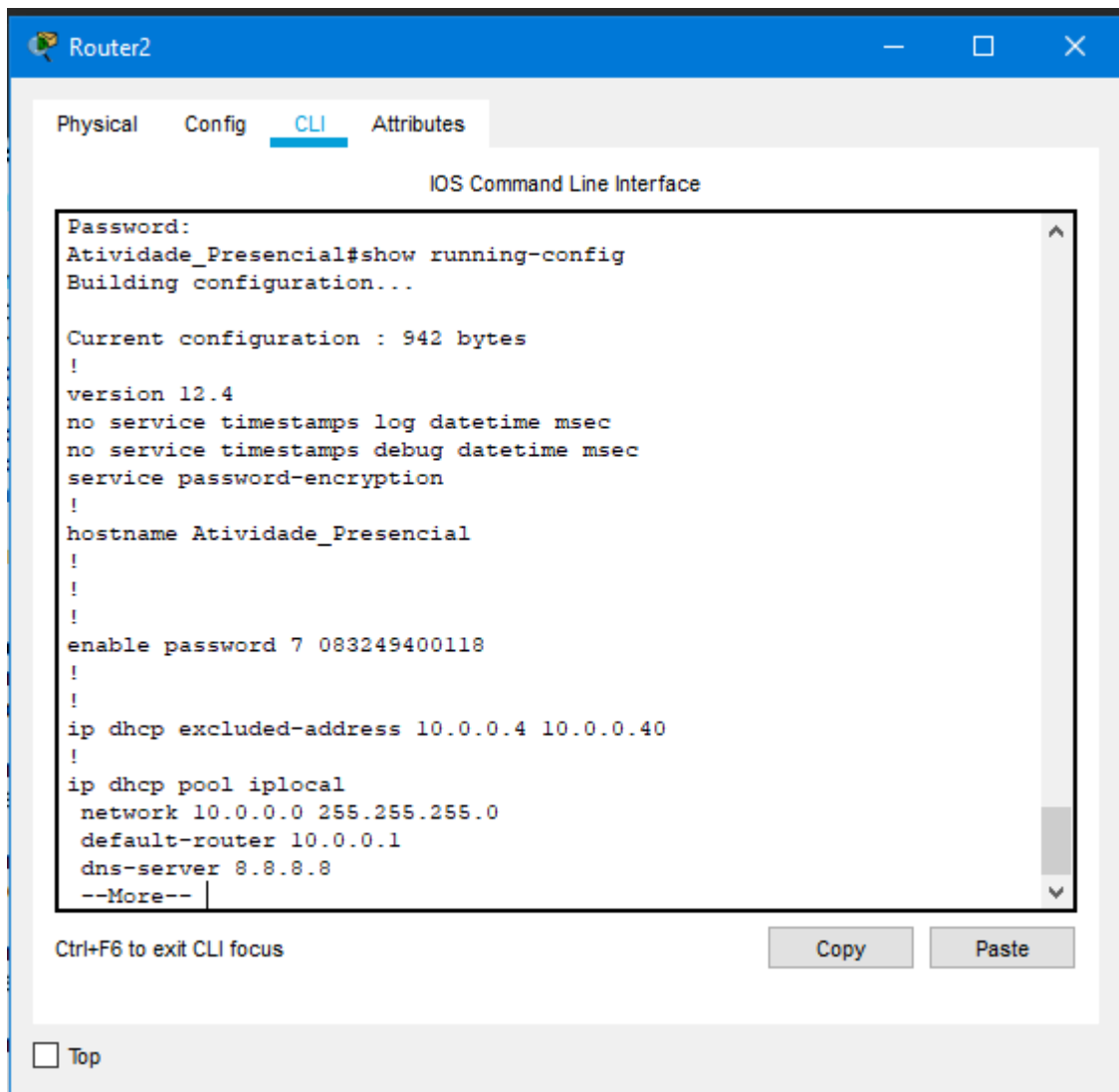
☐ Top

The screenshot displays a network simulation environment. At the top, a terminal window shows the configuration of VLANs on a switch named TISW-ACME. Below the terminal, a network topology diagram illustrates the physical and logical connections between various devices.

VLAN	Name	Status	Ports
1	default	active	Fa0/15, Fa0/16, Fa0/17, Fa0/18 Fa0/19, Fa0/20, Fa0/21, Fa0/22 Fa0/23, Fa0/24, Gig0/1, Gig0/2
10	ADM	active	Fa0/1, Fa0/2, Fa0/3, Fa0/4 Fa0/5, Fa0/6, Fa0/7, Fa0/8 Fa0/9, Fa0/10, Fa0/11, Fa0/12 Fa0/13, Fa0/14
20	Marketing	active	
1002	fddi-default	active	
1003	token-ring-default	active	
1004	fddinet-default	active	
1005	trnet-default	active	

Below the terminal, a network topology diagram shows a central switch (Vlan1, Hostname: TISW-ACME, IP: 10.0.0.2/24) connected to several PC-PT devices (PC0, PC1, PC11, PC12, PC13, PC14) and Laptop-PT devices (Laptop0(8), Laptop0(9), Laptop0(10), Laptop0(11), Laptop0(12), Laptop0(13), Laptop0(14)). The diagram also indicates the physical location of the switch: Intercity, Home City, Corporate Office, Main Wiring Closet. The interface includes a status bar at the bottom showing the time (18:28:29) and the simulation mode (Realtime/Simulation).

Configuração do Roteador

A screenshot of a web-based network simulator window titled 'Router2'. The window has a blue header bar with standard window controls. Below the header, there are four tabs: 'Physical', 'Config', 'CLI' (which is selected and highlighted with a blue underline), and 'Attributes'. The main content area is titled 'IOS Command Line Interface' and contains a text box with a monospaced font. The text in the box shows a password prompt, a command to show the running configuration, and the resulting configuration output. The output includes version 12.4, service timestamps, password encryption, hostname 'Atividade_Presencial', an enabled password, DHCP excluded address, and a DHCP pool named 'iplocal'. The text ends with '--More--'. Below the text box, there is a status bar with the text 'Ctrl+F6 to exit CLI focus' on the left and 'Copy' and 'Paste' buttons on the right. At the bottom left of the window, there is a checkbox labeled 'Top' which is currently unchecked.

```
Router2
Physical Config CLI Attributes
IOS Command Line Interface
Password:
Atividade_Presencial#show running-config
Building configuration...

Current configuration : 942 bytes
!
version 12.4
no service timestamps log datetime msec
no service timestamps debug datetime msec
service password-encryption
!
hostname Atividade_Presencial
!
!
!
enable password 7 083249400118
!
!
ip dhcp excluded-address 10.0.0.4 10.0.0.40
!
ip dhcp pool iplocal
 network 10.0.0.0 255.255.255.0
 default-router 10.0.0.1
 dns-server 8.8.8.8
--More--
Ctrl+F6 to exit CLI focus
Copy Paste
☐ Top
```

Configuração do Access Point

Atividade_Presencial

Physical Config GUI Attributes

GLOBAL

Settings

Algorithm Settings

INTERFACE

Internet

LAN

Wireless

Wireless Settings

SSID: Atividade_Presencial

2.4 GHz Channel: 1 - 2.412GHz

Authentication:

☐ Disabled ☐ WEP ☒ WPA2-PSK ☐ WPA

WEP Key:

PSK Pass Phrase: senha1234

RADIUS Server Settings

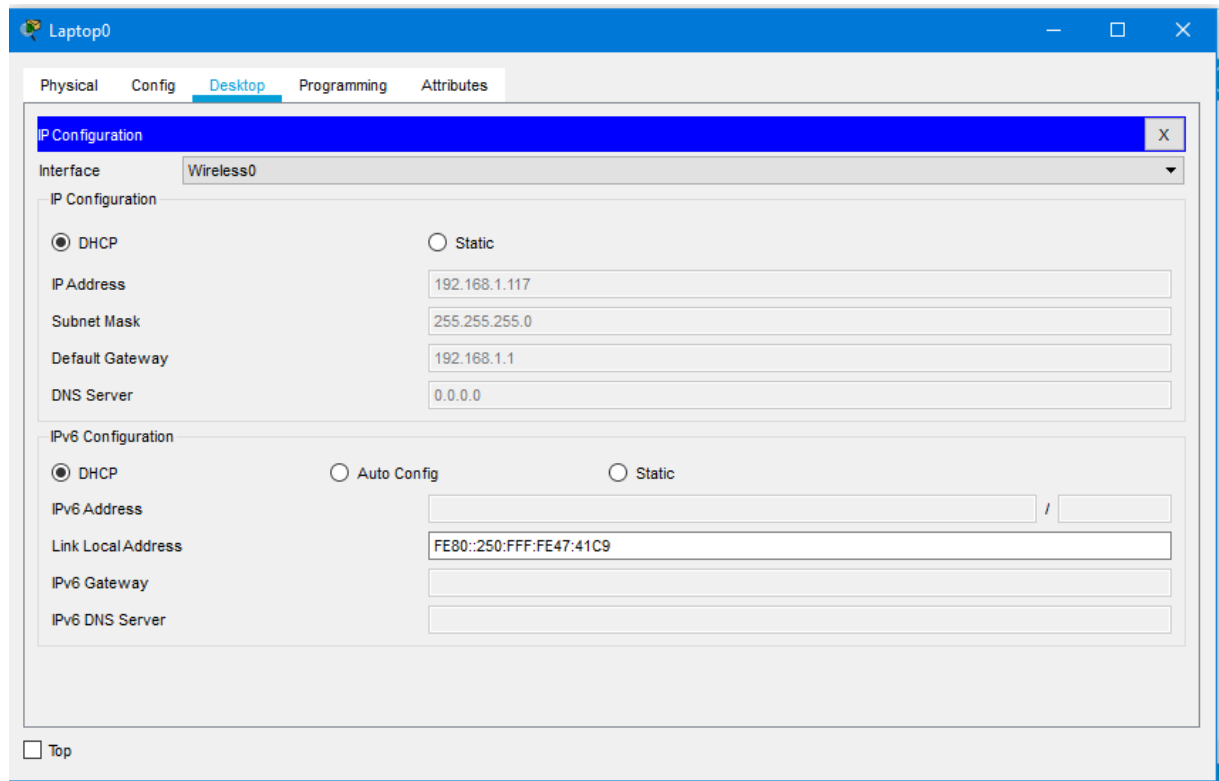
IP Address:

Shared Secret:

Encryption Type: AES

☐ Top

Configuração dos endereços lógicos



Teste de conectividade

