

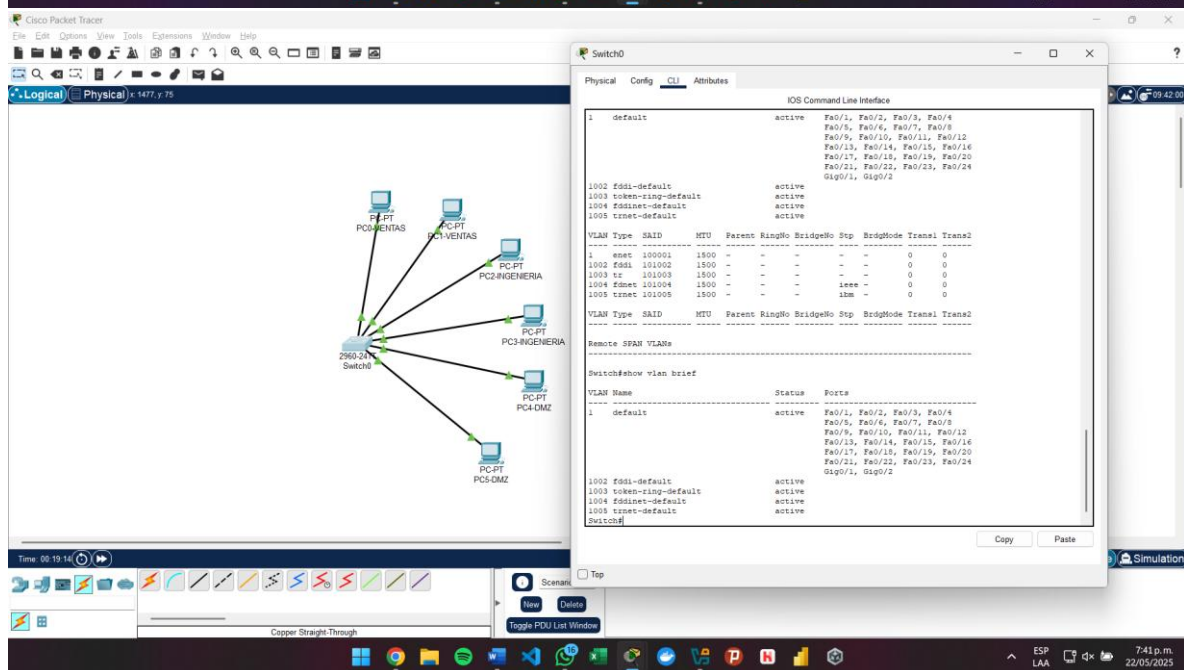
Laboratorio #21-22

Roberto Blanco

The image displays two screenshots of the Cisco Packet Tracer application. The top screenshot shows a network topology with a central 2960-TT Switch connected to eight PCs. The PCs are labeled as PC2-INGENIERA, PC2-VENTAS, PC3-VENTAS, PC3-DMZ, PC4-DMZ, PC3-INGENIERA, PC-PT, and PC-PT. The bottom screenshot shows the CLI window for Switch0, displaying the IOS Command Line Interface. The CLI output shows the switch ports model, SW version, and SW image, followed by a list of interfaces (FastEthernet0/1 through FastEthernet0/6) and their status (up/down). The CLI prompt is Switch0>.

Top Screenshot: Cisco Packet Tracer interface showing a network topology. A central 2960-TT Switch is connected to eight PCs. The PCs are labeled as PC2-INGENIERA, PC2-VENTAS, PC3-VENTAS, PC3-DMZ, PC4-DMZ, PC3-INGENIERA, PC-PT, and PC-PT. The interface shows the Logical and Physical views, and the Realtime Simulation mode.

Bottom Screenshot: Cisco Packet Tracer interface showing the CLI window for Switch0. The CLI output displays the IOS Command Line Interface, including the switch ports model, SW version, and SW image. The output also shows the status of the interfaces (FastEthernet0/1 through FastEthernet0/6) and their state (up/down). The CLI prompt is Switch0>.



```
Switch0
Physical Config CLI Attributes
IOS Command Line Interface

1 default 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, Fa0/15, Fa0/16
Fa0/17, Fa0/18, Fa0/19, Fa0/20
Fa0/21, Fa0/22, Fa0/23, Fa0/24
Gig0/1, Gig0/2

1002 fddi-default active
1003 token-ring-default active
1004 fddinet-default active
1005 tnet-default active
Switch#enable
Switch#configure t
Enter configuration commands, one per line. End with CTRL/Z.
Switch(config)#vlan 10
Switch(config-vlan)#name ventas
Switch(config-vlan)#exit
Switch(config)#vlan 20
Switch(config-vlan)#name ingenieria
Switch(config-vlan)#exit
Switch(config)#vlan 30
Switch(config-vlan)#name DMZ
Switch(config-vlan)#exit
Switch(config)#show vlan brief

% Invalid input detected at '^' marker.

Switch(config)#?
Switch#
SYS-5-CONFIG_I: Configured from console by console

Switch#show vlan brief

VLAN Name                Status Ports
-----
1 default              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, 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 ventas              active
20 ingenieria          active
30 DMZ                 active
1002 fddi-default       active
1003 token-ring-default active
1004 fddinet-default    active
1005 tnet-default       active
Switch#

Copy Paste
```

```
Switch0
Physical Config CLI Attributes
IOS Command Line Interface

Switch(config)#?
Switch#
SYS-5-CONFIG_I: Configured from console by console

Switch#show vlan brief

VLAN Name                Status Ports
-----
1 default              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, 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 ventas              active
20 ingenieria          active
30 DMZ                 active
1002 fddi-default       active
1003 token-ring-default active
1004 fddinet-default    active
1005 tnet-default       active
Switch#
Switch#enable
Switch#configure t
Enter configuration commands, one per line. End with CTRL/Z.
Switch(config)#interface f
% Incomplete command.
Switch(config)#interface range f
% Incomplete command.
Switch(config)#interface range f0/1 - f0/2
Switch(config-if-range)#sw
% Incomplete command.
Switch(config-if-range)#sw
Switch(config-if-range)#sw
Switch(config-if-range)#switchport mode a
Switch(config-if-range)#switchport mode access
Switch(config-if-range)#sw
Switch(config-if-range)#switchport a
Switch(config-if-range)#switchport access vlan 10
Switch(config-if-range)#exit
Switch(config)#interface range f0/3 - f0/4
Switch(config-if-range)#switchport mode access
Switch(config-if-range)#switchport access vlan 30
Switch(config-if-range)#exit
Switch(config)#interface range f0/5 - f0/6
Switch(config-if-range)#switchport mode access
Switch(config-if-range)#switchport access vlan 30
Switch(config-if-range)#exit
Switch(config)#

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```

Cisco Packet Tracer

File Edit Options View Tools Extensions Window Help

Logical Physical x 603 x 247

PC0-VENTAS

2960-24 Switch0

Switch0

Physical Config CLI Attributes

IOS Command Line Interface

```
Switch(config-if-range)#switchport mode access
Switch(config-if-range)#sw
Switch(config-if-range)#switchport a
Switch(config-if-range)#switchport access vlan 10
Switch(config-if-range)#exit
Switch(config)#interface range fa0/3 - fa0/4
Switch(config-if-range)#switchport mode access
Switch(config-if-range)#switchport access vlan 20
Switch(config-if-range)#exit
Switch(config)#interface range fa0/5 - fa0/6
Switch(config-if-range)#switchport mode access
Switch(config-if-range)#switchport access vlan 30
Switch(config-if-range)#exit
Switch(config)#?
Switch#
Switch#?
Switch#?
Switch#?
Switch#?
Switch#show vlan brief

VLAN Name                Status    Ports
-----
1    default                active    Fa0/7, Fa0/8, Fa0/9, Fa0/10
                                           Fa0/11, Fa0/12, Fa0/13, Fa0/14
                                           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   ventas                  active    Fa0/1, Fa0/2
20   ingenieria              active    Fa0/3, Fa0/4
30   ZMC                     active    Fa0/5, Fa0/6
1002 fddi-default          active
1003 token-ring-default     active
1004 fddi-default           active
1005 token-ring-default     active
```

Copy Paste

Realtime Simulation

7:53 p.m. 22/05/2025

Cisco Packet Tracer

File Edit Options View Tools Extensions Window Help

Logical Physical x 603 x 45

PC0-VENTAS

2960-24 Switch0

PC0-VENTAS

Physical Config Desktop Programming Attributes

GLOBAL

Settings

Algorithm Settings

INTERFACE

FastEthernet0

Bluetooth

Port Status

Bandwidth

Duplex

MAC Address

0001.9634.A585

IP Configuration

☐ DHCP

☒ Static

IPv4 Address

192.168.10.2

Subnet Mask

255.255.255.0

IPv6 Configuration

☐ Automatic

☒ Static

IPv6 Address

Link Local Address FE80:201:96FF:FEB4:A585

Realtime Simulation

7:57 p.m. 22/05/2025

Cisco Packet Tracer

File Edit Options View Tools Extensions Window Help

Logical Physical x 821 y 291

PC2-INGENIERIA

Physical Config Desktop Programming Attributes

GLOBAL Settings Algorithm Settings INTERFACE

FastEthernet0

Port Status: ☒ On

Bandwidth: ☐ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex: ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address: 0001.64C1.8732

IP Configuration: ☐ DHCP ☒ Static

IPv4 Address: 192.168.20.2

Subnet Mask: 255.255.255.0

IPv6 Configuration: ☐ Automatic ☒ Static

IPv6 Address: /

Link Local Address: FE80:201:64FF:FE01:8732

Time: 00:35:21

Realtime Simulation

7:57 p.m. 22/05/2025

Cisco Packet Tracer

File Edit Options View Tools Extensions Window Help

Logical Physical x 861 y 483

PC4-DMZ

Physical Config Desktop Programming Attributes

GLOBAL Settings Algorithm Settings INTERFACE

FastEthernet0

Port Status: ☒ On

Bandwidth: ☐ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex: ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address: 00D0.BC96.46C1

IP Configuration: ☐ DHCP ☒ Static

IPv4 Address: 192.168.30.2

Subnet Mask: 255.255.255.0

IPv6 Configuration: ☐ Automatic ☒ Static

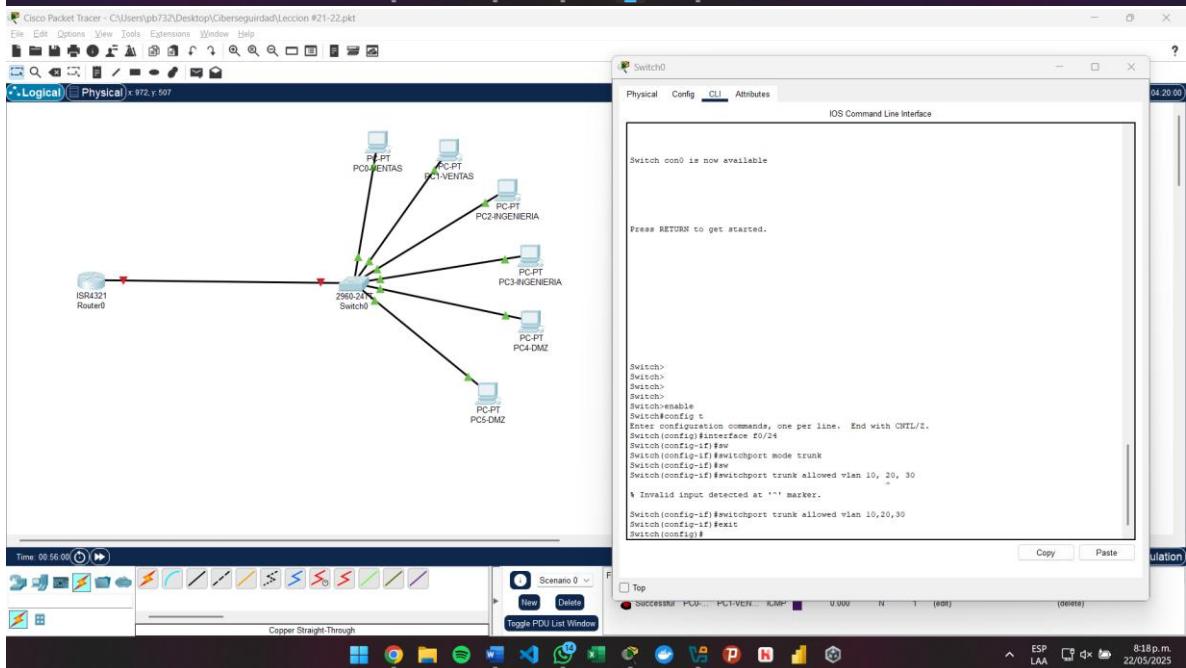
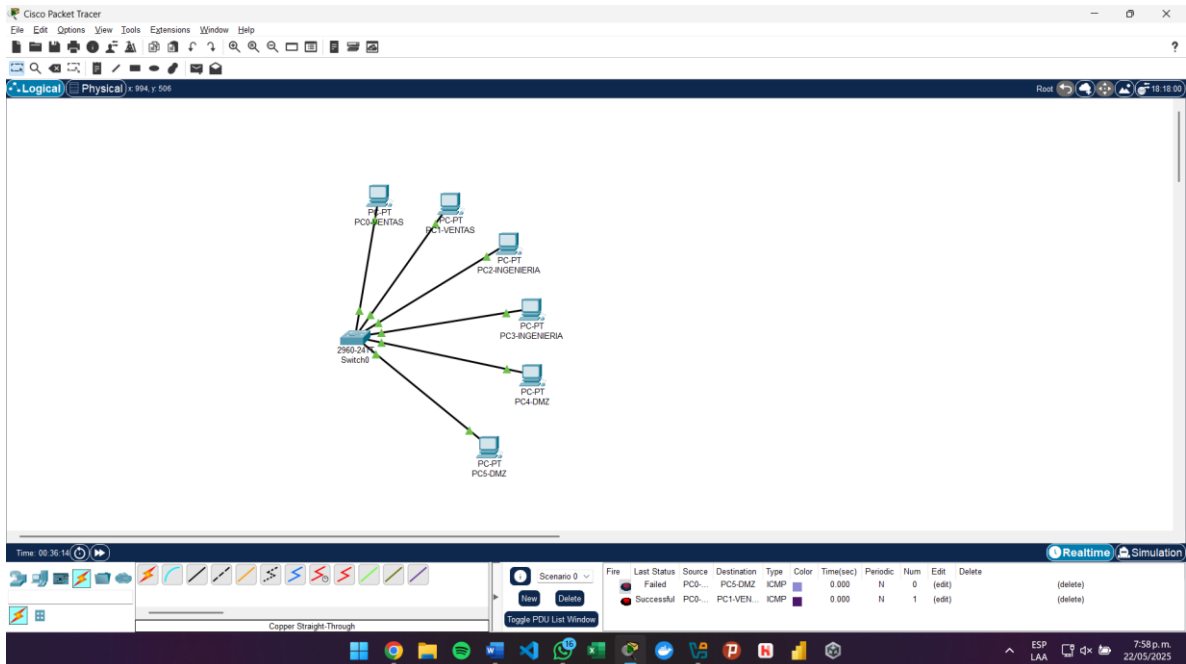
IPv6 Address: /

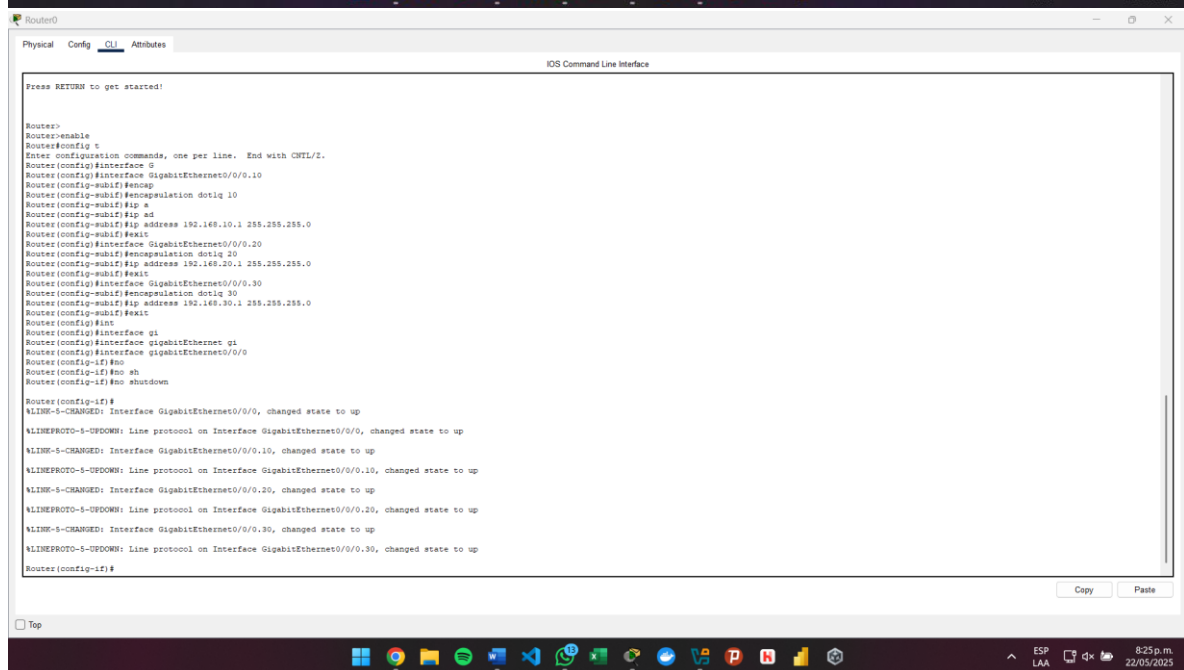
Link Local Address: FE80:20D:BCFF:FE96:46C1

Time: 00:35:35

Realtime Simulation

7:58 p.m. 22/05/2025





Cisco Packet Tracer - C:\Users\pb732\Desktop\Ciberseguridad\Leccion #21-22.pkt

File Edit Options View Tools Extensions Window Help

Logical Physical x: 661, y: 119

Time: 01:06:53

Simulation

PC0-VENTAS

Physical Config Desktop Programming Attributes

GLOBAL

Settings

Algorithm Settings

INTERFACE

FastEthernet0

Bluetooth

Global Settings

Display Name: PC0-VENTAS

Interfaces: FastEthernet0

Gateway/DNS IPv4

☐ DHCP

☒ Static

Default Gateway: 192.168.10.1

DNS Server

Gateway/DNS IPv6

☐ Automatic

☒ Static

Default Gateway

DNS Server

Scenario 0

Name Details

Toggle PC/LIST Window

Copper Straight-Through

ESP LAA

8:29 p.m.

22/05/2025