

Laboratorio #22

Roberto Blanco

The image displays two screenshots of the Cisco Packet Tracer application. The top screenshot shows a network topology in the Physical tab. A central 2960A-TT switch is connected to eight PCs. The PCs are labeled as follows: PC2-INGENIERIA, PC2-VENTAS, PC3-VENTAS, PC3-DMZ, PC4-DMZ, PC3-INGENIERIA, PC-PT, and PC-PT. The bottom screenshot shows the same application with a CLI window for Switch0 open. The CLI window displays the following information:

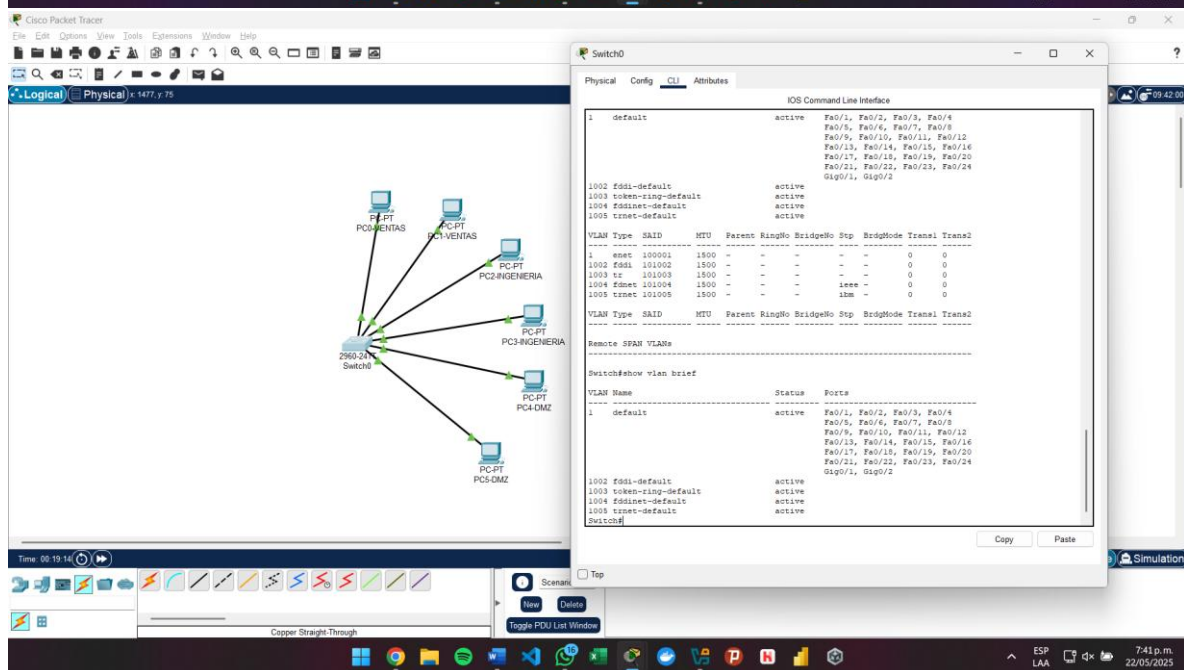
```
Switch0
Physical Config CLI Attributes
IOS Command Line Interface
Switch Ports Model SW Version SW Image
-----
* 1 24 WS-C2960-24TT-L 15.0(2)SE4 C2960-LANBASEK9-M

Cisco IOS Software, C2960 Software (C2960-LANBASEK9-M), Version 15.0(2)SE4, RELEASE SOFTWARE (fcl)
Technical Support: http://www.cisco.com/techsupport
Copyright (c) 1996-2013 by Cisco Systems, Inc.
Compiled Wed 26-Jun-13 02:19 by mmpym

Press RETURN to get started!

%LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up
%LINK-5-CHANGED: Interface FastEthernet0/2, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/2, changed state to up
%LINK-5-CHANGED: Interface FastEthernet0/3, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/3, changed state to up
%LINK-5-CHANGED: Interface FastEthernet0/4, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/4, changed state to up
%LINK-5-CHANGED: Interface FastEthernet0/5, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/5, changed state to up
%LINK-5-CHANGED: Interface FastEthernet0/6, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/6, changed state to up

Switch0>
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 tinet-default active
Switch#enable
Switch#config 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 DMI
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 DMI                  active
1002 fddi-default       active
1003 token-ring-default active
1004 fddinet-default    active
1005 tinet-default      active
Switch#
```

Copy Paste

Top

Windows taskbar: 7:45 p.m. 22/05/2025

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 DMI                  active
1002 fddi-default       active
1003 token-ring-default active
1004 fddinet-default    active
1005 tinet-default      active
Switch#
Switch#enable
Switch#config 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)#w
% Incomplete command.
Switch(config-if-range)#s
Switch(config-if-range)#sw
Switch(config-if-range)#switchport m
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)#
```

Copy Paste

Top

Windows taskbar: 7:51 p.m. 22/05/2025

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

Time 00:31:20

Copper Straight-Through

ESP LAA 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

Time 00:35:08

Copper Straight-Through

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

Cisco Packet Tracer

File Edit Options View Tools Extensions Window Help

Logical Physical x 821 y 281

PC2-INGENIERIA

Physical Config Desktop Programming Attributes

GLOBAL Settings Algorithm Settings INTERFACE

FastEthernet0

Port Status: On

Bandwidth: 100 Mbps

Duplex: Full Duplex

MAC Address: 0001.64C1.8732

IP Configuration: Static

IPv4 Address: 192.168.20.2

Subnet Mask: 255.255.255.0

IPv6 Configuration: Automatic

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

2560 24 Switch0

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

Duplex: Full Duplex

MAC Address: 00D0.BC96.46C1

IP Configuration: Static

IPv4 Address: 192.168.30.2

Subnet Mask: 255.255.255.0

IPv6 Configuration: Automatic

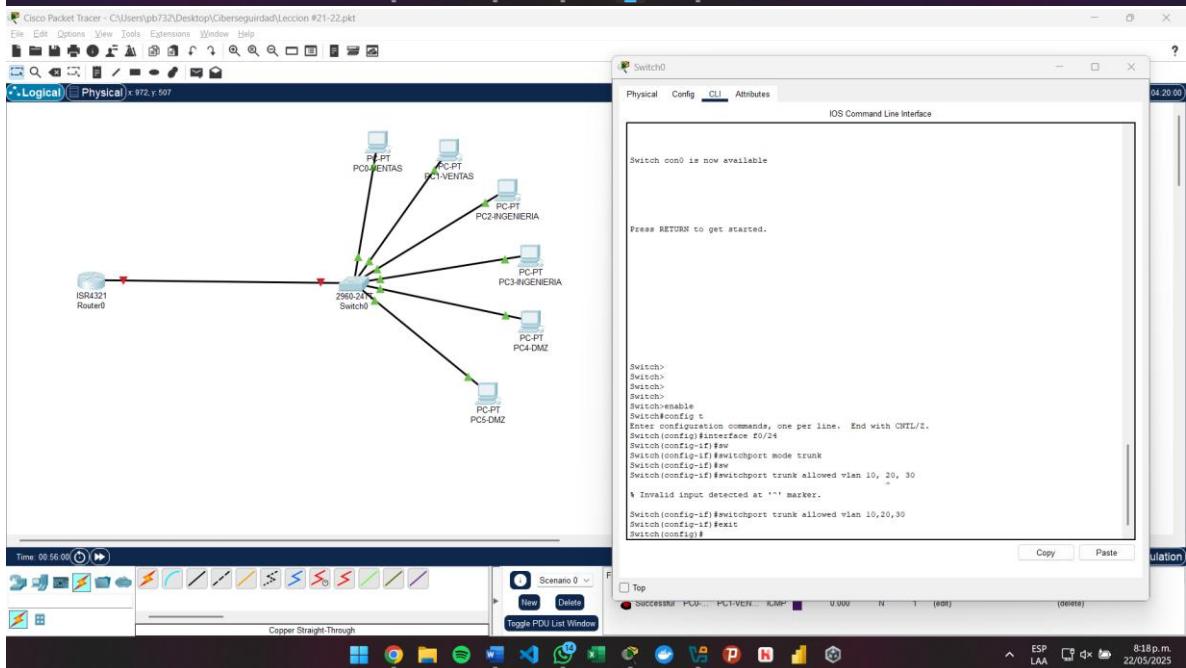
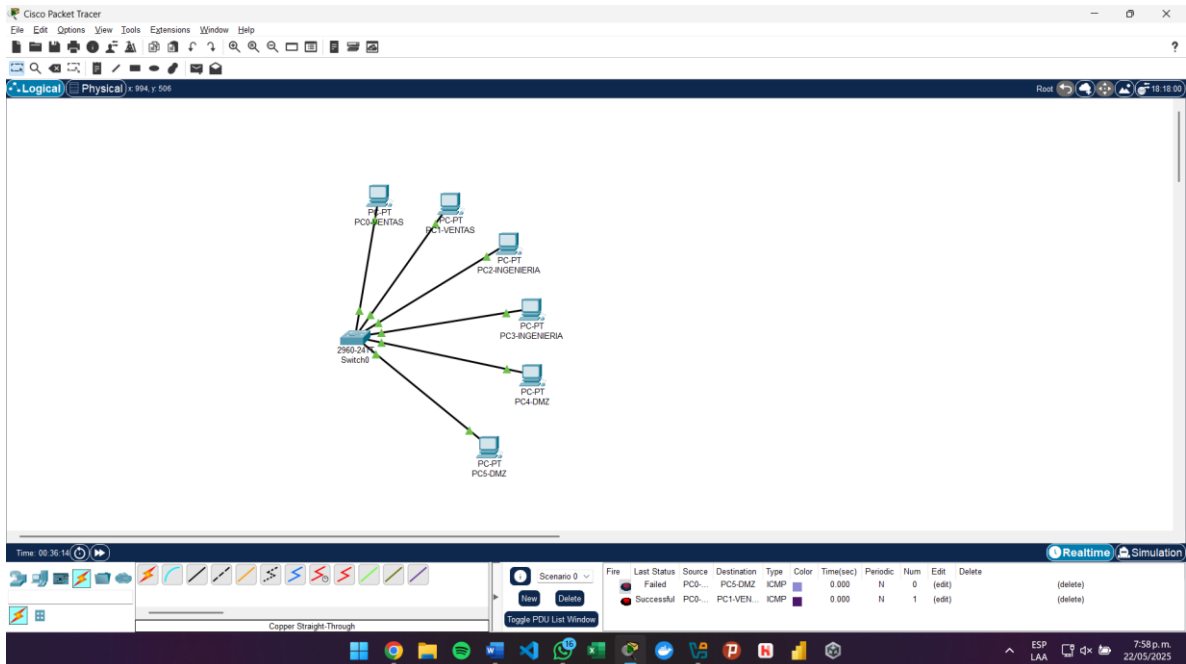
Link Local Address: FE80:20D:BCFF:FE96:46C1

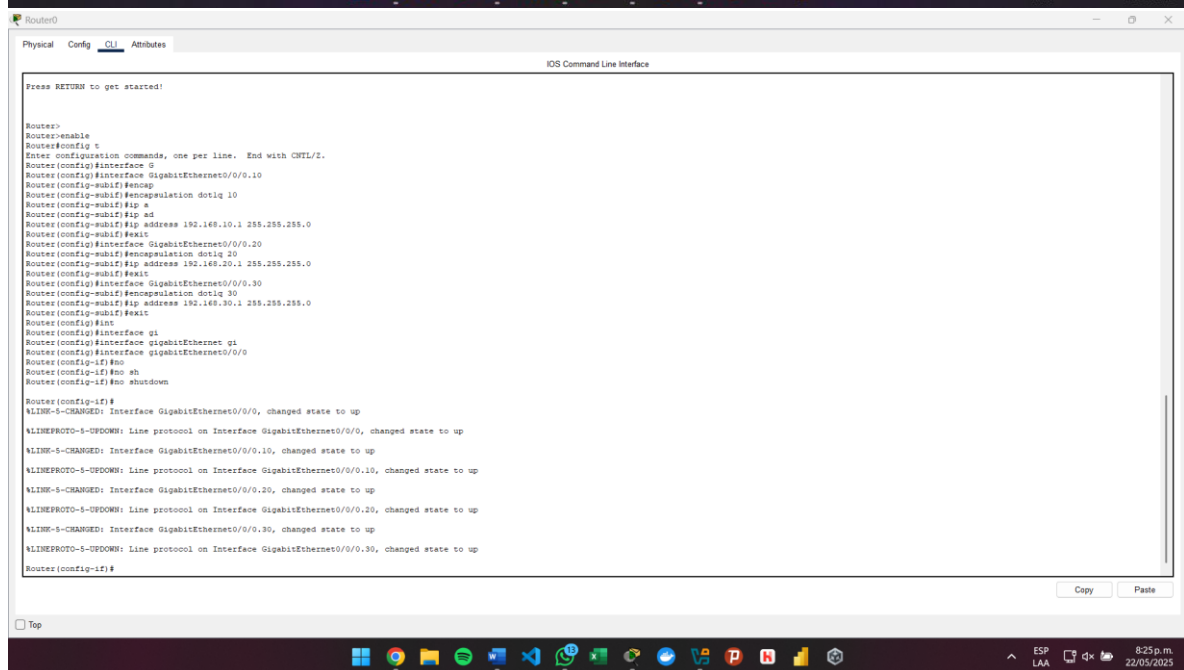
2560 24 Switch0

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

Toggle PC/LIST View

Copper Straight-Through

ESP LAA

8:29 p.m.

22/05/2025