



Tecnológico de Estudios Superiores de Ecatepec

**División de Ingeniería en Sistemas
Computacionales**

Academia en Ciencias de la Ingeniería

Materia

Administración de Redes

Grupo 5751

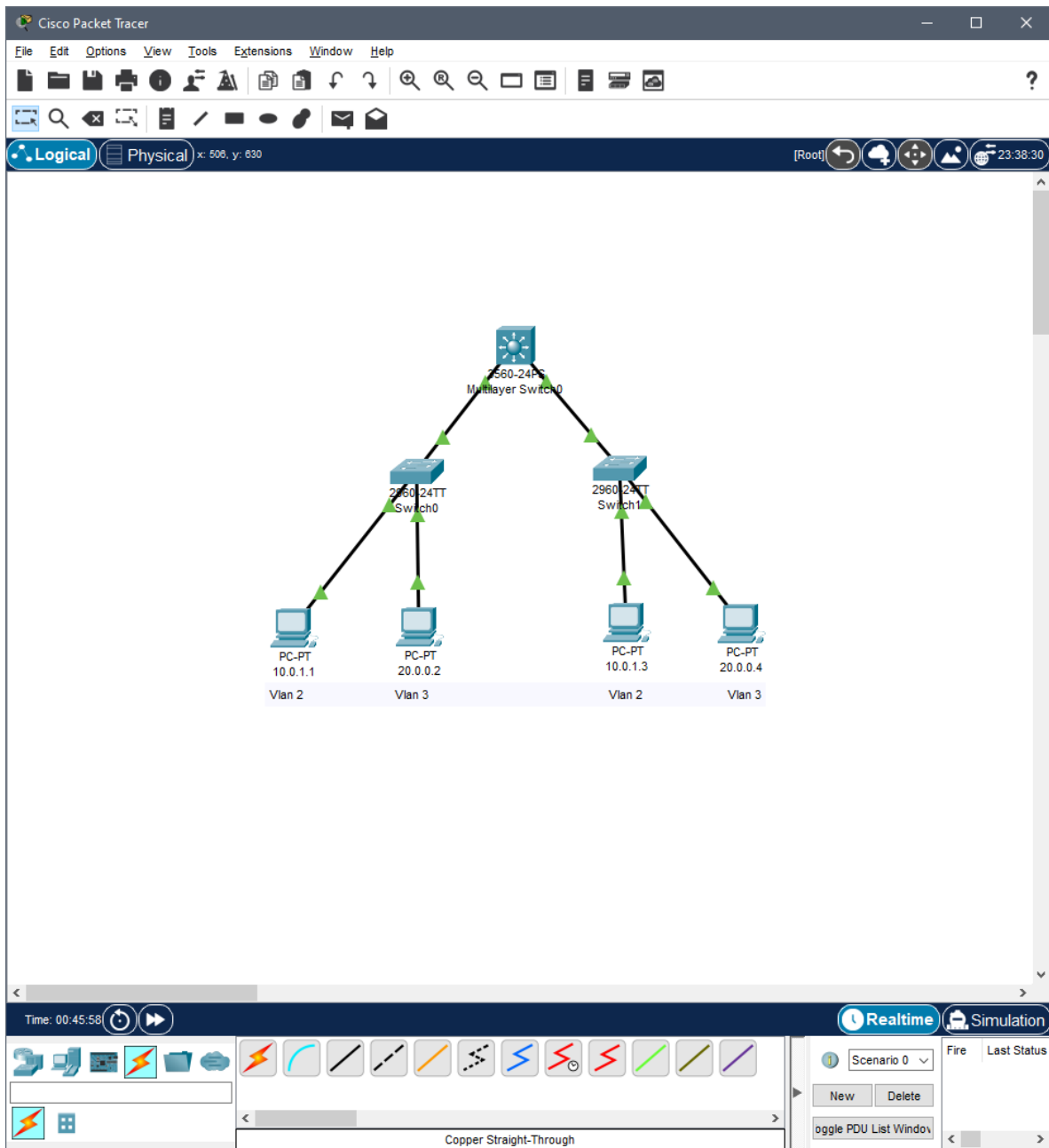
Alumno

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Profesor

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Practica 4



10.0.1.1

Physical

Config

Desktop

Programming

Attributes

GLOBAL

Settings

Algorithm Settings

INTERFACE

FastEthernet0

Bluetooth

FastEthernet0

Port Status

☒ On

Bandwidth

☒ 100 Mbps

☐ 10 Mbps

☒ Auto

Duplex

☐ Half Duplex

☒ Full Duplex

☒ Auto

MAC Address

0030.A379.BD82

IP Configuration

☐ DHCP

☒ Static

IPv4 Address

10.0.1.1

Subnet Mask

255.0.0.0

IPv6 Configuration

☐ Automatic

☒ Static

IPv6 Address

Link Local Address

FE80::230:A3FF:FE79:BD82

☐ Top

10.0.1.1

Physical

Config

Desktop

Programming

Attributes

GLOBAL

Settings

Algorithm Settings

INTERFACE

FastEthernet0

Bluetooth

Global Settings

Display Name

10.0.1.1

Interfaces

FastEthernet0

Gateway/DNS IPv4

DHCP

Static

Default Gateway

10.0.1.254

DNS Server

Gateway/DNS IPv6

Automatic

Static

Default Gateway

DNS Server

Top

20.0.0.2

Physical

Config

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GLOBAL

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Algorithm Settings

INTERFACE

FastEthernet0

Bluetooth

FastEthernet0

Port Status

☒ On

Bandwidth

☒ 100 Mbps

☐ 10 Mbps

☒ Auto

Duplex

☐ Half Duplex

☒ Full Duplex

☒ Auto

MAC Address

0001.6432.D6EC

IP Configuration

☐ DHCP

☒ Static

IPv4 Address

20.0.0.2

Subnet Mask

255.0.0.0

IPv6 Configuration

☐ Automatic

☒ Static

IPv6 Address

Link Local Address

FE80::201:64FF:FE32:D6EC

☐ Top

20.0.0.2

Physical

Config

Desktop

Programming

Attributes

GLOBAL

Settings

Algorithm Settings

INTERFACE

FastEthernet0

Bluetooth

Global Settings

Display Name

20.0.0.2

Interfaces

FastEthernet0

Gateway/DNS IPv4

DHCP

Static

Default Gateway

20.0.0.254

DNS Server

Gateway/DNS IPv6

Automatic

Static

Default Gateway

DNS Server

Top

10.0.1.3

Physical

Config

Desktop

Programming

Attributes

GLOBAL

Settings

Algorithm Settings

INTERFACE

FastEthernet0

Bluetooth

FastEthernet0

Port Status

☒ On

Bandwidth

☒ 100 Mbps

☐ 10 Mbps

☒ Auto

Duplex

☐ Half Duplex

☒ Full Duplex

☒ Auto

MAC Address

0060.3E85.7505

IP Configuration

☐ DHCP

☒ Static

IPv4 Address

10.0.1.3

Subnet Mask

255.0.0.0

IPv6 Configuration

☐ Automatic

☒ Static

IPv6 Address

Link Local Address

FE80::260:3EFF:FE85:7505

☐ Top

10.0.1.3

Physical

Config

Desktop

Programming

Attributes

GLOBAL

Settings

Algorithm Settings

INTERFACE

FastEthernet0

Bluetooth

Global Settings

Display Name

10.0.1.3

Interfaces

FastEthernet0

Gateway/DNS IPv4

DHCP

Static

Default Gateway

10.0.1.254

DNS Server

Gateway/DNS IPv6

Automatic

Static

Default Gateway

DNS Server

Top

20.0.0.4

Physical

Config

Desktop

Programming

Attributes

GLOBAL

Settings

Algorithm Settings

INTERFACE

FastEthernet0

Bluetooth

FastEthernet0

Port Status

☒ On

Bandwidth

☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex

☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address

0050.0F23.AEC9

IP Configuration

☐ DHCP

☒ Static

IPv4 Address

20.0.0.4

Subnet Mask

255.0.0.0

IPv6 Configuration

☐ Automatic

☒ Static

IPv6 Address

Link Local Address

FE80::250:FFF:FE23:AEC9

☐ Top

20.0.0.4

Physical

Config

Desktop

Programming

Attributes

GLOBAL

Settings

Algorithm Settings

INTERFACE

FastEthernet0

Bluetooth

Global Settings

Display Name

20.0.0.4

Interfaces

FastEthernet0

Gateway/DNS IPv4

DHCP

Static

Default Gateway

20.0.0.254

DNS Server

Gateway/DNS IPv6

Automatic

Static

Default Gateway

DNS Server

Top

Switch0

Physical

Config

CLI

Attributes

IOS Command Line Interface

Switch>enable
Switch#hostname Luis
^
% Invalid input detected at '^' marker.

Switch#?
Exec commands:
clear Reset functions
clock Manage the system clock
configure Enter configuration mode
connect Open a terminal connection
copy Copy from one file to another
debug Debugging functions (see also 'undebug')
delete Delete a file
dir List files on a filesystem
disable Turn off privileged commands
disconnect Disconnect an existing network connection
enable Turn on privileged commands
erase Erase a filesystem
exit Exit from the EXEC
logout Exit from the EXEC
more Display the contents of a file
no Disable debugging informations
ping Send echo messages
reload Halt and perform a cold restart
resume Resume an active network connection
setup Run the SETUP command facility
show Show running system information

Switch#config terminal
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#hostname Luis
Luis(config)#

Ctrl+F6 to exit CLI focus

Copy

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☐ Top

Switch0

Physical

Config

CLI

Attributes

IOS Command Line Interface

usernameEstablish User Name Authentication

vlanVlan commands

vtpConfigure global VTP state

Luis(config)#

Luis(config)#vlan 2

Luis(config-vlan)#name luis

Luis(config-vlan)#exit

Luis(config)#vlan 3

Luis(config-vlan)#name daniel

Luis(config-vlan)#exit

Luis(config)#interface FastEthernet 0/1

Luis(config-if)#switchport access vlan 2

Luis(config-if)#exit

Luis(config)#interface FastEthernet 0/2

Luis(config-if)#switchport access vlan 3

Luis(config-if)#exit

Luis(config)#line con 0

Luis(config-line)#password cisco

Luis(config-line)#login

Luis(config-line)#exit

Luis(config)#line vty 0 4

Luis(config-line)#password cisco

Luis(config-line)#login

Luis(config-line)#exit

Luis(config)#interface FastEthernet 0/3

Luis(config-if)#switchport mode trunk

Luis(config-if)#

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/3, changed state to down

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/3, changed state to up

Luis(config-if)#exit

Luis(config)#enable secret cisco

Luis(config)#exit

Ctrl+F6 to exit CLI focus

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☐ Top

Switch1

Physical

Config

CLI

Attributes

IOS Command Line Interface

Switch>enable
Switch#config terminal
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#hostname Daniel
Daniel(config)#vlan 2
Daniel(config-vlan)#name luis
Daniel(config-vlan)#exit
Daniel(config)#vlan 3
Daniel(config-vlan)#name daniel
Daniel(config-vlan)#exit
Daniel(config)#interface FastEthernet 0/1
Daniel(config-if)#switchport access vlan 2
Daniel(config-if)#exit
Daniel(config)#interface FastEthernet 0/2
Daniel(config-if)#switchport access vlan 3
Daniel(config-if)#exit
Daniel(config)#interface FastEthernet 0/3
Daniel(config-if)#switchport mode trunk

Daniel(config-if)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/3, changed state to down

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/3, changed state to up

Daniel(config-if)#exit
Daniel(config)#line con 0
Daniel(config-line)#password cisco
Daniel(config-line)#login
Daniel(config-line)#exit
Daniel(config)#line vty 0 4
Daniel(config-line)#password cisco
Daniel(config-line)#login
Daniel(config-line)#exit
Daniel(config)#enable secret cisco
Daniel(config)#

Ctrl+F6 to exit CLI focus

Copy

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☐ Top

Multilayer Switch0

PhysicalConfigCLIAttributes

IOS Command Line Interface

%SPANTREE-2-RECV_PVID_ERR: Received 802.1Q BPDU on non trunk FastEthernet0/1 VLAN1.

%SPANTREE-2-BLOCK_PVID_LOCAL: Blocking FastEthernet0/1 on VLAN0001. Inconsistent port type.

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to down
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up
%SPANTREE-2-RECV_PVID_ERR: Received 802.1Q BPDU on non trunk FastEthernet0/2 VLAN1.

%SPANTREE-2-BLOCK_PVID_LOCAL: Blocking FastEthernet0/2 on VLAN0001. Inconsistent port type.

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/2, changed state to down
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/2, changed state to up
n

Press RETURN to get started!

Switch>enable
Switch#config terminal
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#hostname Campero
Campero(config)#vlan 2
Campero(config-vlan)#name luis
Campero(config-vlan)#exit
Campero(config)#vlan 3
Campero(config-vlan)#name daniel
Campero(config-vlan)#exit

Ctrl+F6 to exit CLI focus

CopyPaste

☐ Top

