UNIVERSIDAD AUTÓNOMA DE CHIAPAS

FACULTAD DE CONTADURÍA Y ADMINISTRACIÓN "CAMPUS I"

LICENCIATURA EN INGENIERÍA EN DESARROLLO Y TECNOLOGÍAS DE SOFTWARE
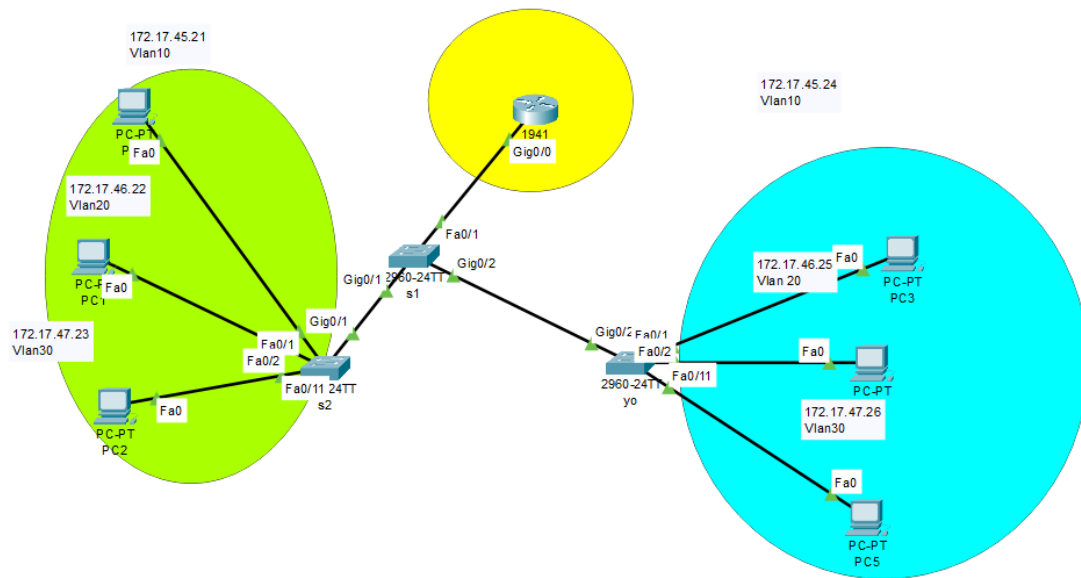

7° "M"

ALUMNO:

Lara Clemente Juan Carlos

DOCENTE: Luis Gutierrez Alfaro

TAREA: Act 1.4 Realizar Practica Packet Tracer

TUXTLA GUTIÉRREZ, CHIAPAS a 23 de Agosto de 2024

Juan Carlos Lara Clemente
A210573

172.17.45.21
Vlan10

172.17.46.22
Vlan20

172.17.47.23
Vlan30

172.17.45.24
Vlan10

172.17.46.25
Vlan 20

172.17.47.26
Vlan30

Github: https://github.com/Juanxc25/Redes.git

Switch Uno--------

Switch>ena

Switch#conf t

Enter configuration commands, one per line. End with CNTL/Z.

Switch(config)#vlan 10

Switch(config-vlan)#name VLAN10

Switch(config-vlan)#EXIT

Switch(config)#vlan 20

Switch(config-vlan)#name VLAN20

Switch(config-vlan)#EXIT

Switch(config)#hostname UnoS

UnoS(config)#vlan 30

UnoS(config-vlan)#name Vlan30

```
UnoS(config-vlan)#exit

UnoS(config)#

UnoS(config)#inter fa0/

^

% Invalid input detected at '^' marker.

UnoS(config)#inter fa0/1

UnoS(config-if)#swi

UnoS(config-if)#switchport mod

UnoS(config-if)#switchport mode t

UnoS(config-if)#switchport mode trunk

UnoS(config-if)#swi

UnoS(config-if)#switchport tr

UnoS(config-if)#switchport trunk all

UnoS(config-if)#switchport trunk allowed vlan 10,20,30

UnoS(config-if)#inter ra

UnoS(config-if)#inter range Gig

UnoS(config-if)#inter range Gig0/1-2

UnoS(config-if-range)#swit

UnoS(config-if-range)#switchport mod

UnoS(config-if-range)#switchport mode t

UnoS(config-if-range)#switchport mode trunk


UnoS(config-if-range)#

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/1, changed state to down


%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/1, changed state to up


%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/2, changed state to down
```

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/2, changed state to up

swi

UnoS(config-if-range)#switchport mode

UnoS(config-if-range)#switchport mode trunk

UnoS(config-if-range)#switchport mode trunk

UnoS(config-if-range)#swi

UnoS(config-if-range)#switchport tru

UnoS(config-if-range)#switchport trunk all

UnoS(config-if-range)#switchport trunk allowed vlan 10,20,30

UnoS(config-if-range)#end

UnoS#

%SYS-5-CONFIG_I: Configured from console by console

UnoS#sh 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

10 VLAN10 active

20 VLAN20 active

30 Vlan30 active

1002 fddi-default active

1003 token-ring-default active

1004 fddinet-default active

1005 trnet-default active

UnoS#

Switch Dos --------

Switch>ena

Switch#conf t

Enter configuration commands, one per line. End with CNTL/Z.

Switch(config)#hostname SecS

SecS(config)#vlan 10

SecS(config-vlan)#name Vlan10

SecS(config-vlan)#vlan 20

SecS(config-vlan)#name vlan20

SecS(config-vlan)#vlan 30

SecS(config-vlan)#name oso

SecS(config-vlan)#exit

SecS(config)#do wr

```
Building configuration...

[OK]

SecS(config)#inter fa0/1

SecS(config-if)#swit

SecS(config-if)#switchport mode

SecS(config-if)#switchport mode a

SecS(config-if)#switchport mode access vlan 10

^

% Invalid input detected at '^' marker.

SecS(config-if)#swi

SecS(config-if)#switchport mode

SecS(config-if)#switchport mode s

SecS(config-if)#switchport mode scc

SecS(config-if)#switchport mode sccess vlan 10

^

% Invalid input detected at '^' marker.

SecS(config-if)#swi

SecS(config-if)#switchport mode

SecS(config-if)#switchport mode access

SecS(config-if)#swi

SecS(config-if)#switchport mode

SecS(config-if)#switchport mode access

SecS(config-if)#switchport mode access vlan10

^

% Invalid input detected at '^' marker.

SecS(config-if)#sw

SecS(config-if)#switchport ,pde

SecS(config-if)#switchport mo

SecS(config-if)#switchport mode access Vlan10
```

```
                    ^
% Invalid input detected at '^' marker.

SecS(config-if)#inter fa

SecS(config-if)#inter fa0/4

SecS(config-if)#swi

SecS(config-if)#switchport mode

SecS(config-if)#switchport mode access Vlan20
                    ^
% Invalid input detected at '^' marker.

SecS(config-if)#interf

SecS(config-if)#interfac

SecS(config-if)#interface FastEth

SecS(config-if)#exit

SecS(config)#inter fa 0/4

SecS(config-if)#switchport mode access

SecS(config-if)#switchport access vlan 20

SecS(config-if)#exit

SecS(config)#inter fa0/1

SecS(config-if)#switchport mode access

SecS(config-if)#switchport access vlan 10

SecS(config-if)#exit

SecS(config)#inter fa0/11

SecS(config-if)#switchport mode access

SecS(config-if)#switchport access vlan 30

SecS(config-if)#sh vlan brief
                    ^
% Invalid input detected at '^' marker.

SecS(config-if)#exit

SecS(config)#sh vlan brief
```

^

% Invalid input detected at '^' marker.

SecS(config)#do wr

Building configuration...

[OK]

SecS(config)#sh vlan brief

^

% Invalid input detected at '^' marker.

SecS(config)#sh

SecS(config)#sh vla

SecS(config)#exit

SecS#

%SYS-5-CONFIG_I: Configured from console by console

sh vlan brief

VLAN Name Status Ports

---- -------------------------------- --------- -----------------------------

1 default active Fa0/2, Fa0/3, Fa0/5, Fa0/6

Fa0/7, Fa0/8, Fa0/9, Fa0/10

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, Gig0/2

10 Vlan10 active Fa0/1

20 vlan20 active Fa0/4

30 oso active Fa0/11

1002 fddi-default active

1003 token-ring-default active

1004 fddinet-default active

1005 trnet-default active

SecS#

```
Switch>ena

Switch#conf t

Enter configuration commands, one per line. End with CNTL/Z.

Switch(config)#vlan 10

Switch(config-vlan)#name Vlan10

Switch(config-vlan)#vlan 20

Switch(config-vlan)#name vlan20

Switch(config-vlan)#vlan30
                        ^
% Invalid input detected at '^' marker.

Switch(config-vlan)#vlan 30

Switch(config-vlan)#name vlan30

Switch(config-vlan)#exit
```

Switch(config)#do wr

Building configuration...

[OK]

Switch(config)#exit

Switch#

%SYS-5-CONFIG_I: Configured from console by console

sh 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

10 Vlan10 active

20 vlan20 active

30 vlan30 active

1002 fddi-default active

1003 token-ring-default active

1004 fddinet-default active

1005 trnet-default active

Switch#ena

Switch#conf t

Enter configuration commands, one per line. End with CNTL/Z.

Switch(config)#inter fa 0/1

Switch(config-if)#swit

```
Switch(config-if)#switchport mode access

Switch(config-if)#swtichp

Switch(config-if)#swtichport access vlan 10

^

% Invalid input detected at '^' marker.

Switch(config-if)#switchport access vlan 10

Switch(config-if)#exit

Switch(config)#inter fa0/4

Switch(config-if)#switchport mode access

Switch(config-if)#switchport access vlan 20

Switch(config-if)#exit

Switch(config)#inter fa0/11

Switch(config-if)#switchport mode access

Switch(config-if)#switchport access vlan 30

Switch(config-if)#exit

Switch(config)#do wr

Building configuration...

[OK]

Switch(config)#exIT

Switch#

%SYS-5-CONFIG_I: Configured from console by console

sh vlan brief


VLAN Name Status Ports

---- -------------------------------- --------- -----------------------------

1 default active Fa0/2, Fa0/3, Fa0/5, Fa0/6

Fa0/7, Fa0/8, Fa0/9, Fa0/10

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

10 Vlan10 active Fa0/1

20 vlan20 active Fa0/4

30 vlan30 active Fa0/11

1002 fddi-default active

1003 token-ring-default active

1004 fddinet-default active

1005 trnet-default active

Switch#

Router------------------

Router>ena

Router#conf t

Enter configuration commands, one per line. End with CNTL/Z.

Router(config)#hostname nostra

nostra(config)#inter fa gig0/0.10

^

% Invalid input detected at '^' marker.

nostra(config)#interface

nostra(config)#interface gig0/0.10

nostra(config-subif)#encapsulation dot1Q 10

nostra(config-subif)#ip address 172.17.45.1 255.255.255.0

nostra(config-subif)#no shutdown

```
nostra(config-subif)#exit

nostra(config)#inter fa gig0/0.20

^

% Invalid input detected at '^' marker.

nostra(config)#interface gig0/0.20

nostra(config-subif)#encapsulation dot1Q 20

nostra(config-subif)#ip address 172.17.46.1 255.255.255.0

nostra(config-subif)#no shutdown

nostra(config-subif)#exit

nostra(config)#interface gig0/0.30

nostra(config-subif)#encapsulation dot1Q 30

nostra(config-subif)#ip address 172.17.47.1 255.255.255.0

nostra(config-subif)#no shutdown

nostra(config-subif)#exit

nostra(config)#do wr

Building configuration...

[OK]

nostra(config)#ip dhcp pool vlan10

nostra(dhcp-config)#net

nostra(dhcp-config)#network 172.17.45.0 255.255.255.0

nostra(dhcp-config)#def

nostra(dhcp-config)#default-router 172.17.45.1

nostra(dhcp-config)#exit

nostra(config)#conf t

%Invalid hex value

nostra(config)#ip dhcp pool vlan20

nostra(dhcp-config)#network 172.17.46.0 255.255.255.0

nostra(dhcp-config)#default-router 172.17.46.1

nostra(dhcp-config)#exit
```

```
nostra(config)#ip dhcp pool vlan30

nostra(dhcp-config)#network 172.17.47.0 255.255.255.0

nostra(dhcp-config)#default-router 172.17.47.1

nostra(dhcp-config)#exit

nostra(config)#ip dhcp e

nostra(config)#ip dhcp excluded-address 172.17.45.1

nostra(config)#ip dhcp excluded-address 172.17.46.1

nostra(config)#ip dhcp excluded-address 172.17.47.1

nostra(config)#do wr

Building configuration...

[OK]

nostra(config)#inter gig0/0

nostra(config-if)#no sh


nostra(config-if)#

%LINK-5-CHANGED: Interface GigabitEthernet0/0, changed state to up


%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0, changed state to up


%LINK-5-CHANGED: Interface GigabitEthernet0/0.10, changed state to up


%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0.10, changed state to up


%LINK-5-CHANGED: Interface GigabitEthernet0/0.20, changed state to up


%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0.20, changed state to up


%LINK-5-CHANGED: Interface GigabitEthernet0/0.30, changed state to up
```

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0.30, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0.30, changed state to up