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Parte 1.

Router.

Realizar SubInterfaces.

- 1. In fa 0/0.10
- 2. Encapsulation dot1q 10
- 3. lp addres 192.168.10.1 255.255.255.0
- 4. No sh
- 5. Ip dhcp pool lan_1
- 6. Network 192.168.10.0 255.255.255.0
- 7. Dns-server 192.168.10.1
- 8. Default-router 192.168.10.1
- 9. Exit.

Switch.

Configurar entrada del pc al switch.

- 1. Hostname "Nombre"
- 2. Int vlan 10
- 3. Ip address 192.168.10.1 255.255.255.0
- 4. No sh
- 5. Exit
- 6. Line vty 0 4
- 7. Password cisco
- 8. Login
- 9. Exit
- 10. Enable secret cisco
- 11. Exit
- 12. Dar de alta modo trunk en cada puerto del switch

Pc.

Dar de alta la Vlan para cada pc

- 1. Interface fa 0/1
- 2. Sw acc vlan 10

Parte 2.

Switch.

Entrar en el Command Prompt de las pc para dar de alta con VTP ya sea como Servidor, Cliente o Transparente, según lo requiera la práctica.

- 1. Vtp domain Practica
- 2. Vtp mode server
- 3. Vtp password cisco
- 4. Exit

Quitar o poner Vlans según lo haya dictado el profesor.

- 5. Vlan 10
- 6. Name Alumnos
- 7. Exit

- 8. No vlan 10
- 9. No vlan 20

Realizar las sub interfaces y las LAN 1, 2, 3 y 4 respectivamente.

```
Router>en
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#int fa 0/0.10
Router(config-subif) #encapsulation dot1q 10
Router(config-subif) #ip address 192.168.10.1 255.255.255.0
Router(config-subif) #no sh
Router(config-subif) #ip dhcp pool lan_1
Router(dhcp-config) #network 192.168.10.1
% Incomplete command.
Router(dhcp-config) #network 192.168.10.1 255.255.255.0
Router (dhcp-config) #dns
Router(dhcp-config) #dns-server 192.168.10.1
Router (dhcp-config) #def
Router(dhcp-config) #default-router 192.168.10.1
Router (dhcp-config) #exit
Router(config) #int fa 0/0
Router(config-if) #no sh
Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
%LINK-5-CHANGED: Interface FastEthernet0/0.10, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0.10, changed state to up
Router(config-if) #%DHCPD-4-PING_CONFLICT: DHCP address conflict: server pinged 192.168.10.1.
%DHCPD-4-PING_CONFLICT: DHCP address conflict: server pinged 192.168.10.1.
%DHCPD-4-PING_CONFLICT: DHCP address conflict: server pinged 192.168.10.1.
```

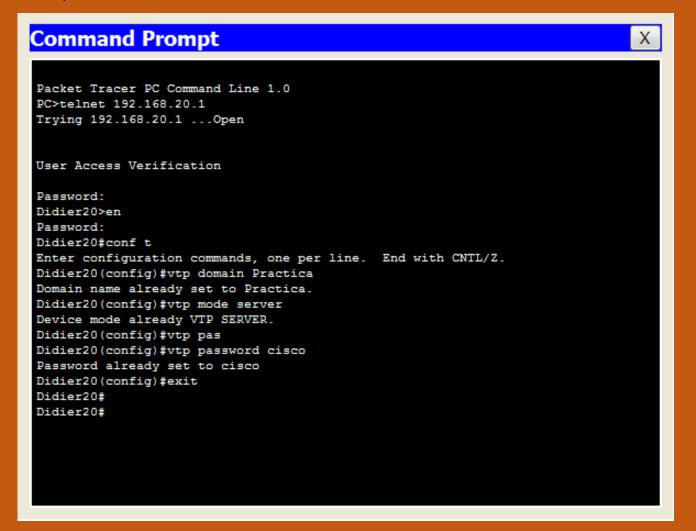
Configurar entrada del pc al switch.

```
Switch>
Switch>en
Switch#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Switch (config) #hos
Switch(config) #hostname Didier10
Didier10(config) #int vlan 10
Didier10(config-if)#
%LINK-5-CHANGED: Interface Vlan10, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan10, changed state to up
Didier10(config-if) #ip ad
Didier10(config-if) #ip address 192.168.10.1 255.255.255.0
Didier10(config-if) #no sh
Didier10(config-if)#
Didier10(config-if) #exit
Didier10(config) #line vty 0 4
Didier10(config-line) #password cisco
Didier10(config-line)#login
Didier10(config-line) #exit
Didier10(config) #enable secret cisco
Didier10 (config) #exit
Didier10#
%SYS-5-CONFIG_I: Configured from console by console
Didier10#
Didier10#
```

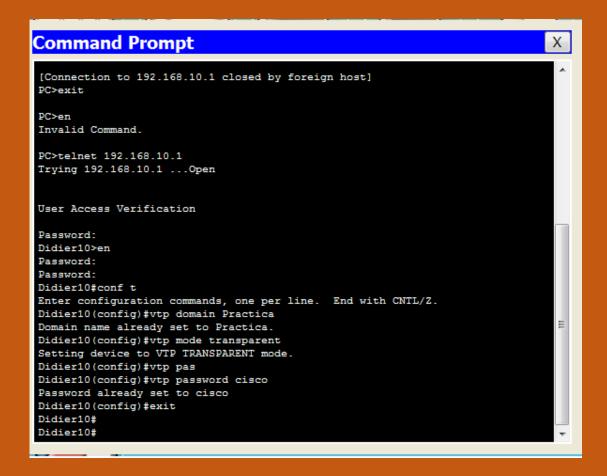
Dar de alta la Vlan para cada pc

```
Switch(config) #int fa 0/1
Switch(config-if) #sw acc vlan 20
Switch(config-if) #exit
Switch(config) #
```

Configurar VTP en cada uno de los switchs a través del command prompt de las pc.



```
Command Prompt
User Access Verification
Password:
Password:
Password:
Didier30>
Didier30>conf t
% Invalid input detected at '^' marker.
Didier30>en
Password:
Didier30#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Didier30(config) #vtp domain Practica
Domain name already set to Practica.
Didier30(config) #vtp mode transparent
Setting device to VTP TRANSPARENT mode.
Didier30(config) #vtp pas
Didier30(config) #vtp password cisco
Password already set to cisco
Didier30(config) #exit
Didier30#
Didier30#
[Connection to 192.168.30.1 closed by foreign host]
```



```
Command Prompt
                                                                               X
Ping statistics for 192.168.40.1:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
    Minimum = Oms, Maximum = Oms, Average = Oms
PC>telnet 192.168.40.1
Trying 192.168.40.1 ... Open
User Access Verification
Password:
Password:
Didier40>en
Password:
Didier40#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Didier40(config)#
Didier40(config) #vtp domain Practica
Domain name already set to Practica.
Didier40(config) #vtp mode client
Setting device to VTP CLIENT mode.
Didier40(config) #vtp pass
Didier40(config) #vtp password cisco
Setting device VLAN database password to cisco
Didier40(config) #exit
Didier40#
Didier40#
```

Quitar o poner Vlans según lo haya dictado el profesor.

```
Didier20#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Didier20(config)#no vlan 10
Didier20(config)#no vlan 30
Didier20(config)#no vlan 40
Didier20(config)#
Didier20(config)#
```

Fin:D