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# Parte 1.

## Router.

Realizar SubInterfaces.

1. In fa 0/0.10
2. Encapsulation dot1q 10
3. Ip address 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 switches a través del command prompt de las pc.

## Command Prompt



```
Packet Tracer PC Command Line 1.0
PC>telnet 192.168.20.1
Trying 192.168.20.1 ...Open

User Access Verification

Password:
Didier20>en
Password:
Didier20#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
Didier20(config)#vtp domain Practica
Domain name already set to Practica.
Didier20(config)#vtp mode server
Device mode already VTP SERVER.
Didier20(config)#vtp pas
Didier20(config)#vtp password cisco
Password already set to cisco
Didier20(config)#exit
Didier20#
Didier20#
```

## 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]
PC>
```

## Command Prompt



```
[Connection to 192.168.10.1 closed by foreign host]
PC>exit

PC>en
Invalid Command.

PC>telnet 192.168.10.1
Trying 192.168.10.1 ...Open

User Access Verification

Password:
Didier10>en
Password:
Password:
Didier10#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
Didier10(config)#vtp domain Practica
Domain name already set to Practica.
Didier10(config)#vtp mode transparent
Setting device to VTP TRANSPARENT mode.
Didier10(config)#vtp pas
Didier10(config)#vtp password cisco
Password already set to cisco
Didier10(config)#exit
Didier10#
Didier10#
```

## Command Prompt

```
Ping statistics for 192.168.40.1:
  Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
  Minimum = 0ms, Maximum = 0ms, Average = 0ms

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 Vlan 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