



Universidad Autónoma de Chiapas

Facultad de Contaduría y Administración, Campus I

Actividad 1.4 – Práctica en Packet Tracer: “Configuración de VLAN´s”

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Asignatura: Análisis de Vulnerabilidades.

Grupo: LIDTS 7º “M”.

Tuxtla Gutiérrez, Chiapas; 19/08/2023

Configuración

Para la configuración de VLAN's de esta actividad utilicé comandos de la interfaz de línea de comandos (CLI) de Cisco.

Estos fueron los comandos que utilicé para crear las VLAN's:
vlan <id>

name <vlan_name>

para asignar puertos a VLAN's:

interface <nombre>

switchport mode access

switchport access vlan <id>

interfaz de VLAN virtual:

interface vlan <vlan_id>

ip address <dirección ip> <máscara>

no shutdown

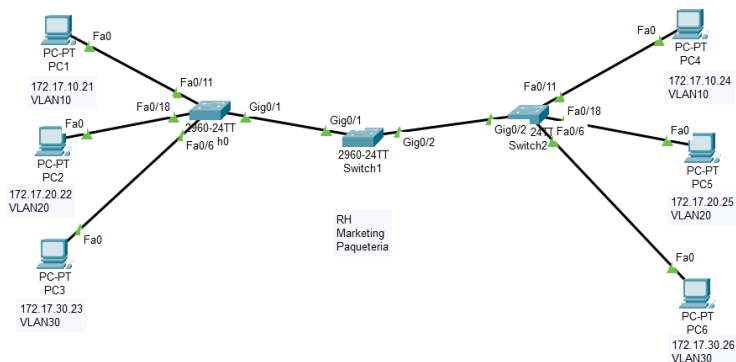
Siempre entrando al modo de configuración global en consola...

```
Switch>ena
Switch#conf t
Translating "conf t"...domain server (255.255.255.255) % Name lookup aborted
Switch#conf t
Enter configuration commands, one per line. End with CNTL/Z.
```

Esto fue el resultado. Cada equipo con su VLAN respectiva envía y recibe los mensajes correctamente (PC1 con PC4, PC2 con PC5, PC3 con PC6):

Configurar y Administrar VLAN's

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| | | | | | | | | | | | | |
|----------|------------|------|-------------|--------|-------------|------|--------|-----------|----------|-----|--------|--------|
| 00:32:23 | Scenario 0 | Fire | Last Status | Source | Destination | Type | Color | Time(sec) | Periodic | Num | Edit | Delete |
| | | | Successful | PC1 | PC4 | ICMP | Yellow | 0.000 | N | 0 | (edit) | |
| | | | Successful | PC2 | PC5 | ICMP | Blue | 0.000 | N | 1 | (edit) | |
| | | | Successful | PC3 | PC6 | ICMP | Pink | 0.000 | N | 2 | (edit) | |

Compruebo la correcta configuración a cada switch:

```
Switch>ena
Switch#show vlan
```

| VLAN Name | | Status | Ports |
|-----------|--------------------|--------|--|
| 1 default | | active | Fa0/1, Fa0/2, Fa0/3, Fa0/4 Fa0/5, Fa0/7, Fa0/8, Fa0/9 Fa0/10, Fa0/12, Fa0/13, Fa0/14 Fa0/15, Fa0/16, Fa0/17, Fa0/19 Fa0/20, Fa0/21, Fa0/22, Fa0/23 Fa0/24, Gig0/2 |
| 10 | RH7 | active | Fa0/11 |
| 20 | Marketing | active | Fa0/18 |
| 30 | Paqueteria | active | Fa0/6 |
| 1002 | fddi-default | active | |
| 1003 | token-ring-default | active | |
| 1004 | fddinet-default | active | |
| 1005 | trnet-default | active | |

| VLAN | Type | SAID | MTU | Parent | RingNo | BridgeNo | Stp | BrdgMode | Trans1 | Trans2 |
|------|------|--------|------|--------|--------|----------|-----|----------|--------|--------|
| 1 | enet | 100001 | 1500 | - | - | - | - | - | 0 | 0 |
| 10 | enet | 100010 | 1500 | - | - | - | - | - | 0 | 0 |
| 20 | enet | 100020 | 1500 | - | - | - | - | - | 0 | 0 |

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```
Switch>ena
Switch#show vlan
```

| VLAN Name | | Status | Ports |
|-----------|--------------------|--------|--|
| 1 default | | active | Fa0/1, Fa0/2, Fa0/3, Fa0/4 Fa0/5, Fa0/7, Fa0/8, Fa0/9 Fa0/10, Fa0/12, Fa0/13, Fa0/14 Fa0/15, Fa0/16, Fa0/17, Fa0/19 Fa0/20, Fa0/21, Fa0/22, Fa0/23 Fa0/24, Gig0/1 |
| 10 | RH7 | active | Fa0/11 |
| 20 | Marketing | active | Fa0/18 |
| 30 | Paqueteria | active | Fa0/6 |
| 1002 | fddi-default | active | |
| 1003 | token-ring-default | active | |
| 1004 | fddinet-default | active | |
| 1005 | trnet-default | active | |

| VLAN | Type | SAID | MTU | Parent | RingNo | BridgeNo | Stp | BrdgMode | Trans1 | Trans2 |
|------|------|--------|------|--------|--------|----------|-----|----------|--------|--------|
| 1 | enet | 100001 | 1500 | - | - | - | - | - | 0 | 0 |
| 10 | enet | 100010 | 1500 | - | - | - | - | - | 0 | 0 |
| 20 | enet | 100020 | 1500 | - | - | - | - | - | 0 | 0 |

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