UNIVERSIDAD AUTÓNOMA DE CHIAPAS

FACULTAD DE CONTADURÍA Y ADMINISTRACIÓN, CAMPUS I

LICENCIATURA EN INGENIERÍA EN DESARROLLO Y TECNOLOGÍAS DE SOFTWARE

CONMUTADORES Y REDES INALÁMBRICAS

SEMESTRE: 7°   GRUPO: "M"

DR. LUIS GUTIÉRREZ ALFARO

ALUMNO: DANIEL ALBERTO PÉREZ ALCÁZAR

ACT. 3.1 CONFIGURA UN VTP CON VLANS EN PACKET TRACERT
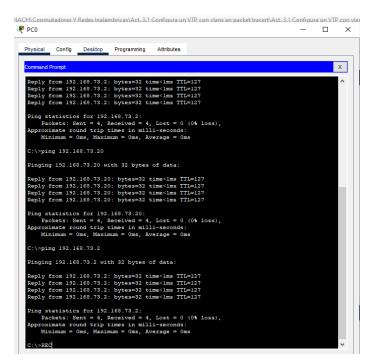
Jueves 03 de octubre de 2024.

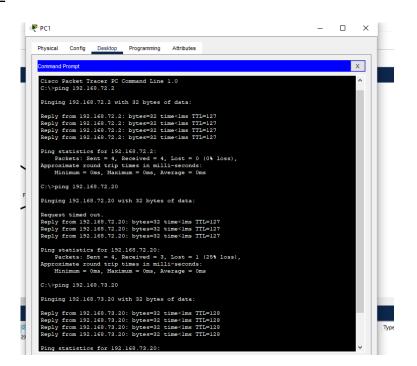**Tuxtla Gutiérrez, Chiapas.**

Evidencias:

Link a la actividad en GitHub:

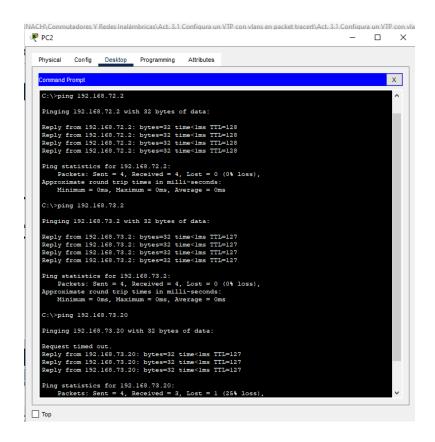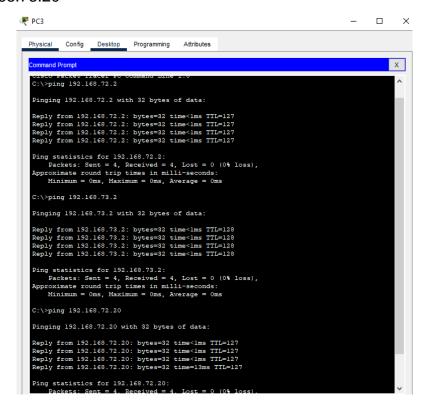https://github.com/Daniel-Alcazar/Conmutadores-Y-Redes-Inal-mbricas.git

PC0: 192.168.72.2

PC1: 192.168.73.2

PC2: 192.168.72.20

PC2   — ☐ ✕

| Physical | Config | Desktop | Programming | Attributes |

Command Prompt   X

```
C:\>ping 192.168.72.2

Pinging 192.168.72.2 with 32 bytes of data:

Reply from 192.168.72.2: bytes=32 time<1ms TTL=128
Reply from 192.168.72.2: bytes=32 time<1ms TTL=128
Reply from 192.168.72.2: bytes=32 time<1ms TTL=128
Reply from 192.168.72.2: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.72.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>ping 192.168.73.2

Pinging 192.168.73.2 with 32 bytes of data:

Reply from 192.168.73.2: bytes=32 time<1ms TTL=127
Reply from 192.168.73.2: bytes=32 time<1ms TTL=127
Reply from 192.168.73.2: bytes=32 time<1ms TTL=127
Reply from 192.168.73.2: bytes=32 time<1ms TTL=127

Ping statistics for 192.168.73.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>ping 192.168.73.20

Pinging 192.168.73.20 with 32 bytes of data:

Request timed out.
Reply from 192.168.73.20: bytes=32 time<1ms TTL=127
Reply from 192.168.73.20: bytes=32 time<1ms TTL=127
Reply from 192.168.73.20: bytes=32 time<1ms TTL=127

Ping statistics for 192.168.73.20:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
```

☐ Top

PC3: 192.168.73.20

PC3   — ☐ ✕

| Physical | Config | Desktop | Programming | Attributes |

Command Prompt   X

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.72.2

Pinging 192.168.72.2 with 32 bytes of data:

Reply from 192.168.72.2: bytes=32 time<1ms TTL=127
Reply from 192.168.72.2: bytes=32 time<1ms TTL=127
Reply from 192.168.72.2: bytes=32 time<1ms TTL=127
Reply from 192.168.72.2: bytes=32 time<1ms TTL=127

Ping statistics for 192.168.72.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>ping 192.168.73.2

Pinging 192.168.73.2 with 32 bytes of data:

Reply from 192.168.73.2: bytes=32 time<1ms TTL=128
Reply from 192.168.73.2: bytes=32 time<1ms TTL=128
Reply from 192.168.73.2: bytes=32 time<1ms TTL=128
Reply from 192.168.73.2: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.73.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>ping 192.168.72.20

Pinging 192.168.72.20 with 32 bytes of data:

Reply from 192.168.72.20: bytes=32 time<1ms TTL=127
Reply from 192.168.72.20: bytes=32 time<1ms TTL=127
Reply from 192.168.72.20: bytes=32 time<1ms TTL=127
Reply from 192.168.72.20: bytes=32 time=13ms TTL=127

Ping statistics for 192.168.72.20:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
```

Configuraciones:

Daniel Alberto Pérez Alcázar 7° "M"

---Switch1_DAPA---

Switch>ena

Switch#conf t

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

Switch(config)#hostname Switch1_DAPA

Switch1_DAPA(config)#vlan 50

Switch1_DAPA(config-vlan)#name LIDTS-VTP

Switch1_DAPA(config-vlan)#exit

Switch1_DAPA(config)#

---Switch0_DAPA---

Switch>ena

Switch#conf t

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

Switch(config)#hostname Switch0_DAPA

Switch0_DAPA(config)#interface fastEthernet 0/24

Switch0_DAPA(config-if)#switchport mode trunk

Switch0_DAPA(config-if)#

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/24, changed state to down

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/24, changed state to up

Switch0_DAPA(config-if)#exit

Switch0_DAPA(config)#

---Switch1_DAPA---

Switch1_DAPA(config)#vtp mode client

Setting device to VTP CLIENT mode.

Switch1_DAPA(config)#vtp domain UNACH

Changing VTP domain name from NULL to UNACH

Switch1_DAPA(config)#exit

Switch1_DAPA#conf t

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

Switch1_DAPA(config)#vlan 20

VTP VLAN configuration not allowed when device is in CLIENT mode.

Switch1_DAPA(config)#

---Switch0_DAPA---

Switch0_DAPA(config)#vtp mode server

Device mode already VTP SERVER.

Switch0_DAPA(config)#vtp domain UNACH

Domain name already set to UNACH.

Switch0_DAPA(config)#exit

Switch0_DAPA(config)#vlan 10

Switch0_DAPA(config-vlan)#name SISTEMAS

Switch0_DAPA(config-vlan)#exit

Switch0_DAPA(config)#vlan 20

Switch0_DAPA(config-vlan)#name SOFTWARE

Switch0_DAPA(config-vlan)#exit

Switch0_DAPA(config)#vlan 30

Switch0_DAPA(config-vlan)#name COMPUTO

Switch0_DAPA(config-vlan)#exit

Switch0_DAPA(config)#exit

Switch0_DAPA#

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

Switch0_DAPA#wr

--Switch0_DAPA--
Switch0_DAPA(config)#interface fastEthernet 0/10
Switch0_DAPA(config-if)#switchport access vlan 10
Switch0_DAPA(config-if)#exit
Switch0_DAPA(config)#interface fastEthernet 0/11
Switch0_DAPA(config-if)#switchport access vlan 20
Switch0_DAPA(config-if)#exit
Switch0_DAPA(config)#interface fastEthernet 0/12
Switch0_DAPA(config-if)#switchport access vlan 30
Switch0_DAPA(config-if)#exit

--Switch1_DAPA--
Switch1_DAPA(config)#interface fastEthernet 0/10
Switch1_DAPA(config-if)#switchport access vlan 10
Switch1_DAPA(config-if)#exit
Switch1_DAPA(config)#interface fastEthernet 0/11
Switch1_DAPA(config-if)#switchport access vlan 20
Switch1_DAPA(config-if)#exit
Switch1_DAPA(config)#interface fastEthernet 0/12
Switch1_DAPA(config-if)#switchport access vlan 30
Switch1_DAPA(config-if)#exit
Switch1_DAPA(config)#exit

--Switch0_DAPA--
Enter configuration commands, one per line. End with CNTL/Z.
Switch0_DAPA(config)#interface fastEthernet 0/1

Switch0_DAPA(config-if)#switchport mode trunk

Switch0_DAPA(config-if)#exit

Switch0_DAPA(config)#exit

---Router0_DAPA---

Router>ena

Router#conf t

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

Router(config)#hostname Router0_DAPA

Router0_DAPA(config)#interface fastEthernet 0/0

Router0_DAPA(config-if)#no sh

Router0_DAPA(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

Router0_DAPA(config-if)#exit

Router0_DAPA(config)#interface fastEthernet 0/0.10

Router0_DAPA(config-subif)#

%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

Router0_DAPA(config-subif)#encapsulation dot1q 10

Router0_DAPA(config-subif)#ip address 192.168.72.1 255.255.255.0

Router0_DAPA(config-subif)#exit

Router0_DAPA(config)#interface fastEthernet 0/0.20

Router0_DAPA(config-subif)#

%LINK-5-CHANGED: Interface FastEthernet0/0.20, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0.20, changed state to up

Router0_DAPA(config-subif)#encapsulation dot1q 20

Router0_DAPA(config-subif)#ip address 192.168.73.1 255.255.255.0

Router0_DAPA(config-subif)#exit

Router0_DAPA(config)#interface fastEthernet 0/0.30

Router0_DAPA(config-subif)#

%LINK-5-CHANGED: Interface FastEthernet0/0.30, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0.30, changed state to up

Router0_DAPA(config-subif)#encapsulation dot1q 30

Router0_DAPA(config-subif)#ip address 192.168.74.1 255.255.255.0

Router0_DAPA(config-subif)#exit

Router0_DAPA(config)#exit

Router0_DAPA#

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

Router0_DAPA#wr

Building configuration...

[OK]

Router0_DAPA#