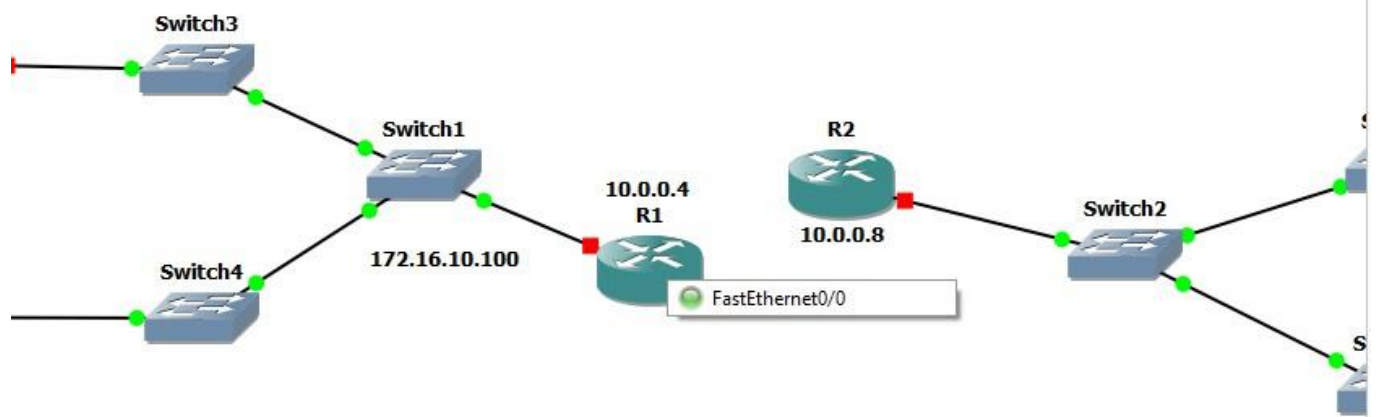# UNIVERSIDAD AUTONOMA DE CHIAPAS

VELAZQUEZ MARTINEZ EDGAR ALEJANDRO
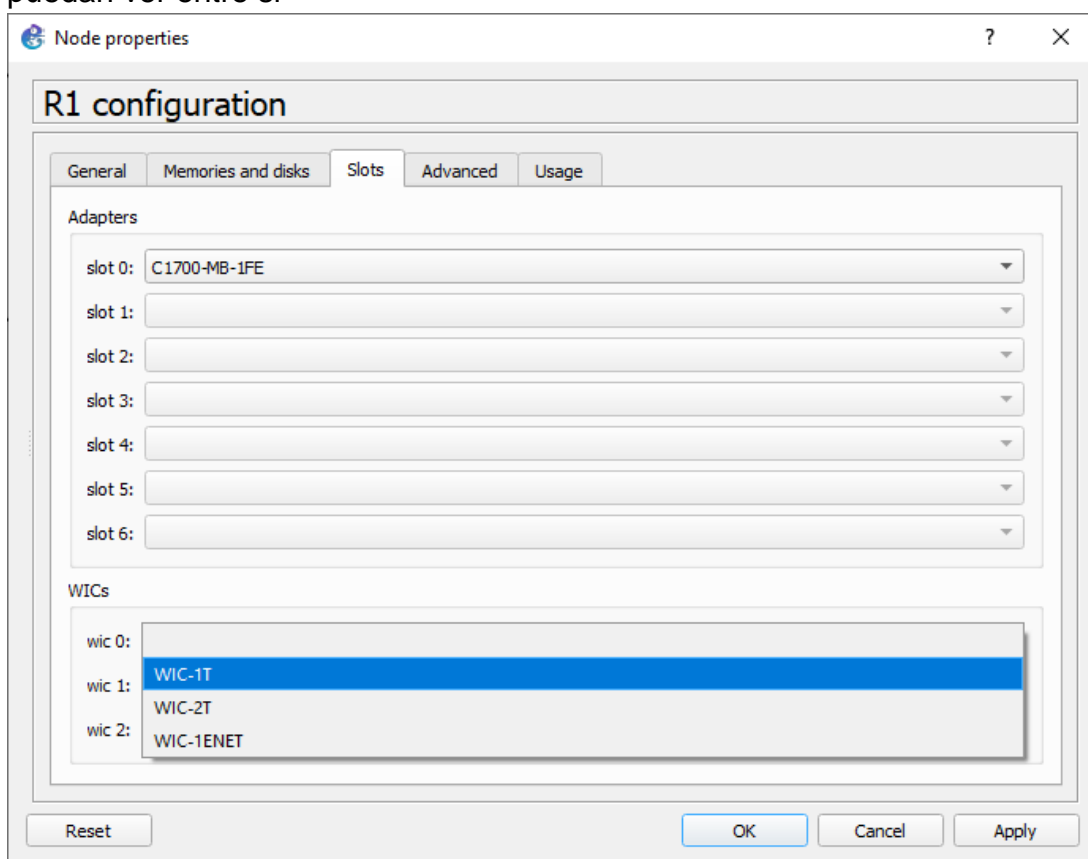
LUIS ALFARO GUTIERREZ
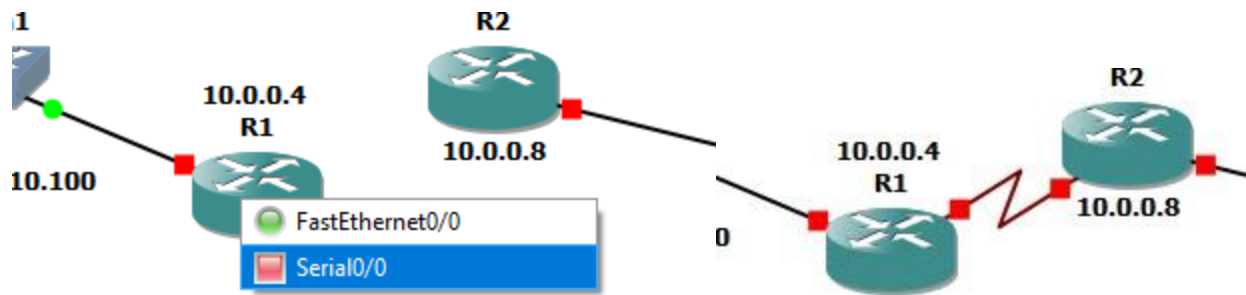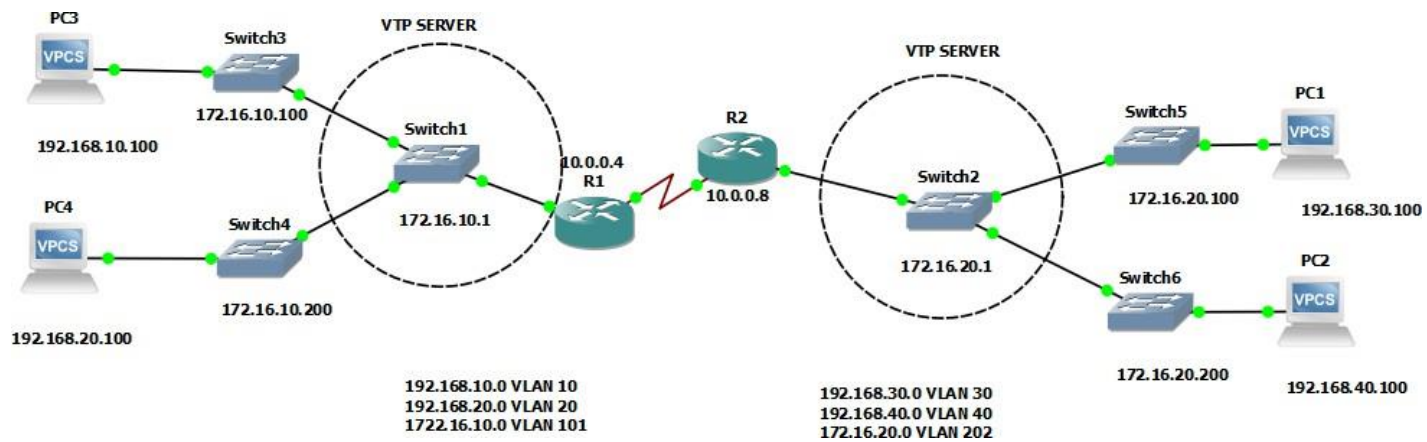
CONMUTADORES Y REDES INALAMBBRICAS

7 M

Primero vamos a agregar un slot para el puerto serial para que los dos routers se puedan ver entre si

Entramos a la configuración y elegimos WIC-1T que es el puerto serial para el router

Ahora si podemos empezar

192.168.10.0 VLAN 10
192.168.20.0 VLAN 20
1722.16.10.0 VLAN 101

192.168.30.0 VLAN 30
192.168.40.0 VLAN 40
172.16.20.0 VLAN 202

```
SW-L2-01(config)#vtp ?
  domain      Set the name of the VTP administrative domain.
  file        Configure IFS filesystem file where VTP configurat
ion is stored.
  interface   Configure interface as the preferred source for th
e VTP IP updater
              address.
  mode        Configure VTP device mode
  password    Set the password for the VTP administrative domain
  pruning     Set the administrative domain to permit pruning
  version     Set the administrative domain to VTP version
                   I
SW-L2-01(config)#vtp domain cisco-01
Changing VTP domain name from NULL to cisco-01
SW-L2-01(config)#vtp mode ?
  client       Set the device to client mode.
  off          Set the device to off mode.
  server       Set the device to server mode.
  transparent  Set the device to transparent mode.

SW-L2-01(config)#vtp mode client
```

Entramos al switch y checamos si tiene activado el vtp, en caso de que sea servidor o cliente

```
SW-L2-01(config)#vtp password ?
  WORD  The ascii password for the VTP administrative domain.

SW-L2-01(config)#vtp password cisco
Setting device VTP password to cisco
SW-L2-01(config)#^Z
SW-L2-01#
*Apr  6 18:02:23.301: %SYS-5-CONFIG_I: Configured from console
by console
SW-L2-01#wr
Building configuration...
Compressed configuration from 1516 bytes to 878 bytes[OK]
SW-L2-01#
```

Activamos la contraseña para el switch

Entramos al switch 2 y hacemos la misma configuración usando el domain vtp cisco01

```
SW-L2-02#config t
Enter configuration commands, one per line.  End wit
h CNTL/Z.
SW-L2-02(config)#vtp domain cisco-01
Changing VTP domain name from NULL to cisco-01
SW-L2-02(config)#vtp mode client
Setting device to VTP Client mode for VLANS.
SW-L2-02(config)#
*Apr  6 18:03:02.555: %SW_VLAN-4-VTP_USER_NOTIFICATI
ON: VTP protocol user notification: MD5 digest check
sum mismatch on receipt of equal revision summary on
 trunk: Et1/1

SW-L2-02(config)#vtp pass
SW-L2-02(config)#vtp password cisco
Setting device VTP password to cisco
SW-L2-02(config)#
```

Haciendo sh vtp status podemos ver en que modo de operación esta y el domain

```
SW-L2-02#sh vtp status
VTP Version capable             : 1 to 3
VTP version running             : 1
VTP Domain Name                 : cisco-01
VTP Pruning Mode                : Disabled
VTP Traps Generation            : Disabled
Device ID                       : aabb.cc00.0200
Configuration last modified by 0.0.0.0 at 0-0-00 00:
00:00

Feature VLAN:
---------------
VTP Operating Mode              : Client
Maximum VLANs supported locally : 1005
Number of existing VLANs        : 5
Configuration Revision          : 0
MD5 digest                      : 0x9E 0x67 0xAC 0
x8E 0x3C 0x34 0x9D 0x3D

                                  0x9C 0x70 0x5F 0
xB6 0x13 0x83 0x8D 0x15
*** MD5 digest checksum mismatch on trunk: Et1/1 ***
SW-L2-02#
```

Ahora vamos a configurar el vtp server
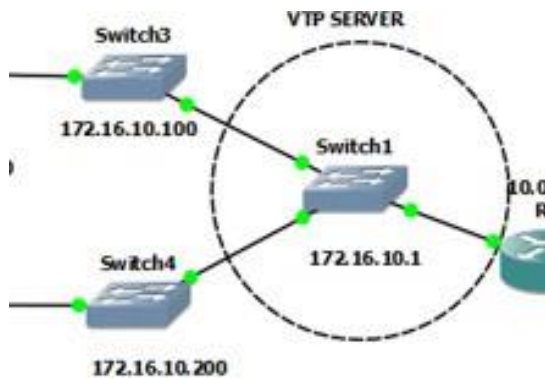
En este vamos a poner vtp mode server, ya que es nuestro server en nuestro esquema vtp

```
SW-DST-01#config t
Enter configuration commands, one per line.  End with CNTL/Z.
SW-DST-01(config)#vtp dom
SW-DST-01(config)#vtp domain cisco-01
Domain name already set to cisco-01.
SW-DST-01(config)#vtp mode server
Device mode already VTP Server for VLANS.
SW-DST-01(config)#vtp password cisco
Setting device VTP password to cisco
SW-DST-01(config)#^Z
SW-DST-01#
SW-DST-01#
SW-DST-01#wr
Warning: Attempting to overwrite an NVRAM configuration previously writte
n
by a different version of the system image.
Overwrite the previous NVRAM configuration?[confirm]
*Apr  6 18:04:27.716: %SYS-5-CONFIG_I: Configured from console by console
[confirm]
Building configuration...
Compressed configuration from 1517 bytes to 879 bytes[OK]
SW-DST-01#
```

Ya terminamos el lado izquierdo, ahora vamos con el lado derecho
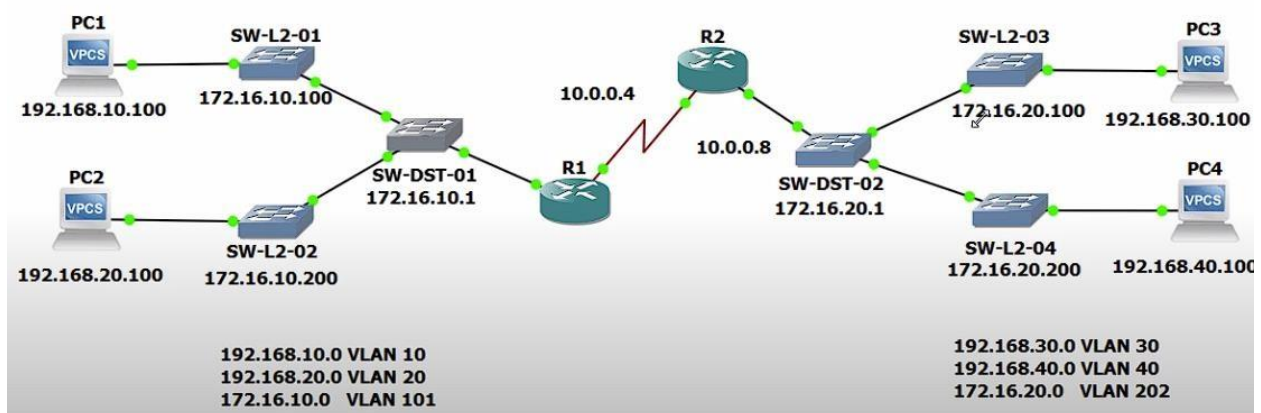
Hacemos la misma configuración en el switch 3 solo que ahora ponemos domain cisco-02, ya no es 01, y como es de los switches que se conecta a las pc, es cliente

```
SW-L2-03#config t
Enter configuration commands, one per line.  End with CNTL/Z
.
SW-L2-03(config)#vtp doma
SW-L2-03(config)#vtp domain cisco-02
Changing VTP domain name from NULL to cisco-02
SW-L2-03(config)#vtp mode client
Setting device to VTP Client mode for VLANS.
SW-L2-03(config)#vt
*Apr  6 18:05:08.147: %SW_VLAN-4-VTP_USER_NOTIFICATION: VTP
protocol user notification: MD5 digest checksum mismatch on
receipt of equal revision summary on trunk: Et1/1

SW-L2-03(config)#vtp pass
SW-L2-03(config)#vtp password cisco
Setting device VTP password to cisco
SW-L2-03(config)#^Z
SW-L2-03#
```

```
Feature VLAN:
--------------
VTP Operating Mode              : Client
Maximum VLANs supported locally : 1005
Number of existing VLANs        : 5
Configuration Revision          : 0
MD5 digest                      : 0x1A 0xF4 0xA5 0x6A 0x91
 0x54 0x37 0x2A
                                  0xC9 0x97 0xAD 0x4E 0xF6
 0xC6 0x69 0xD2
*** MD5 digest checksum mismatch on trunk: Et1/1 ***
SW-L2-03#
```

Hacemos otra vez la configuración con el switch 4, usando el mismo domain cisco 02, activamos la contraseña y guardamos cambios

```
SW-L2-04#conf t
Enter configuration commands, one per line.  End with CNTL
/Z.
SW-L2-04(config)#vtp doma
SW-L2-04(config)#vtp domain cisco-02
Changing VTP domain name from NULL to cisco-02
SW-L2-04(config)#vtp mode clien
SW-L2-04(config)#vtp mode client
Setting device to VTP Client mode for VLANS.
SW-L2-04(config)#vtp pass
*Apr  6 18:07:41.951: %SW_VLAN-4-VTP_USER_NOTIFICATION: VT
P protocol user notification: MD5 digest checksum mismatch
 on receipt of equal revision summary on trunk: Et1/1

SW-L2-04(config)#vtp pass
SW-L2-04(config)#vtp password cisco
```

Por ultimo hacemos la ultima configuración con el server, que es el que esta conectado con el router

```
SW-DST-02#conf t
Enter configuration commands, one per line.  End with CN
TL/Z.
SW-DST-02(config)#vtp domain cisco-02
Domain name already set to cisco-02.
SW-DST-02(config)#vtp mode server
Device mode already VTP Server for VLANS.
SW-DST-02(config)#vtp pass
SW-DST-02(config)#vtp password cisco
Setting device VTP password to cisco
SW-DST-02(config)#^Z
```

Usamos vtp mode server, ya no usamos cliente, activamos la contraseña y guardamos cambios