Universidad Autónoma de Chiapas

Facultad: Contaduría y Administración

Licenciatura: Ingeniería en Desarrollo y Tecnologías de Software

Conmutadores y Redes inalámbricas

"Act. 3.1 Configura un VTP con VLANS en GNS3"
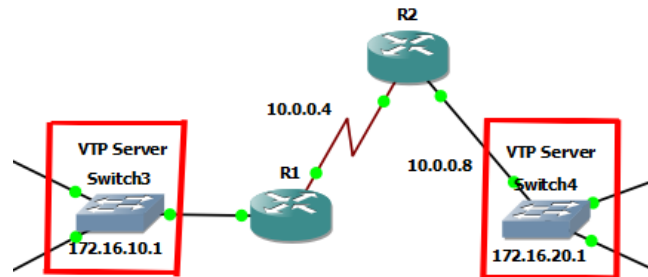
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*Ponemos 2 VTP Server que se encargará de administrar las VLANS y repartirlas a los demás switches que esten dentro del mismo dominio y mismo password

*Configuración de los switches VTP Client del lado izquierdo:

SW-L2-01:   SW-L2-02:

*Configuración de los switches VTP Server:

SW-DST-01:

SW-DST-02:


```
This is a normal Router with a Switch module inside (NM-16ESW)
It has been pre-configured with hard-coded speed and duplex

To create vlans use the command "vlan database" in exec mode
After creating all desired vlans use "exit" to apply the config

To view existing vlans use the command "show vlan-switch brief"

Alias(exec)    : vl  - "show vlan-switch brief" command
Alias(configure): va X - macro to add vlan X
Alias(configure): vd X - macro to delete vlan X
*******************************************************

SW-DST-02#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
SW-DST-02(config)#vtp domain cisco-02
Changing VTP domain name from NULL to cisco-02
SW-DST-02(config)#vtp mode server
Device mode already VTP SERVER.
SW-DST-02(config)#vtp password cisco
Setting device VLAN database password to cisco
SW-DST-02(config)#^Z
SW-DST-02#
*Mar  1 00:34:47.095: %SYS-5-CONFIG_I: Configured from console by console
SW-DST-02#wr
Building configuration...
[OK]
SW-DST-02#
```

*Configuración de los switches VTP Client del lado derecho:

SW-L2-03:   SW-L2-04:


```
To create vlans use the command "vlan database" in exec mode
After creating all desired vlans use "exit" to apply the config

To view existing vlans use the command "show vlan-switch brief"

Alias(exec)    : vl  - "show vlan-switch brief" command
Alias(configure): va X - macro to add vlan X
Alias(configure): vd X - macro to delete vlan X
*******************************************************

SW-L2-03#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
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.
SW-L2-03(config)#vtp password cisco
Setting device VLAN database password to cisco
SW-L2-03(config)#^Z
SW-L2-03#
*Mar  1 00:29:51.699: %SYS-5-CONFIG_I: Configured from console by console
SW-L2-03#sh vtp status
VTP Version                    : 2
Configuration Revision         : 0
Maximum VLANs supported locally : 36
Number of existing VLANs       : 5
VTP Operating Mode             : Client
VTP Domain Name                : cisco-02
VTP Pruning Mode               : Disabled
VTP V2 Mode                    : Disabled
VTP Traps Generation           : Disabled
MD5 digest                     : 0x0E 0xDD 0xD4 0x08 0xB7 0xA1 0x29 0x28
Configuration last modified by 0.0.0.0 at 0-0-00 00:00:00
SW-L2-03#wr
Building configuration...
[OK]
SW-L2-03#
```

```
*Mar  1 00:00:38.163: %SNMP-5-COLDSTART: SNMP agent on host SW-L2-04 is undergoi
ng a cold start
*Mar  1 00:00:38.183: %PCMCIAFS-5-DIBERR: PCMCIA disk 0 is formatted from a diff
erent router or PC. A format in this router is required before an image can be b
ooted from this device
*Mar  1 00:00:38.315: %CRYPTO-6-ISAKMP_ON_OFF: ISAKMP is OFF
*Mar  1 00:00:38.315: %CRYPTO-6-GDOI_ON_OFF: GDOI is OFF

*******************************************************
This is a normal Router with a Switch module inside (NM-16ESW)
It has been pre-configured with hard-coded speed and duplex

To create vlans use the command "vlan database" in exec mode
After creating all desired vlans use "exit" to apply the config

To view existing vlans use the command "show vlan-switch brief"

Alias(exec)    : vl  - "show vlan-switch brief" command
Alias(configure): va X - macro to add vlan X
Alias(configure): vd X - macro to delete vlan X
*******************************************************

SW-L2-04#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
SW-L2-04(config)#vtp domain cisco-02
Changing VTP domain name from NULL to cisco-02
SW-L2-04(config)#vtp mode client
Setting device to VTP CLIENT mode.
SW-L2-04(config)#vtp password cisco
Setting device VLAN database password to cisco
SW-L2-04(config)#^Z
SW-L2-04#
*Mar  1 00:31:46.187: %SYS-5-CONFIG_I: Configured from console by console
SW-L2-04#wr
Building configuration...
[OK]
SW-L2-04#
```

*Topología: