

Lecture (06)

VTP

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Agenda

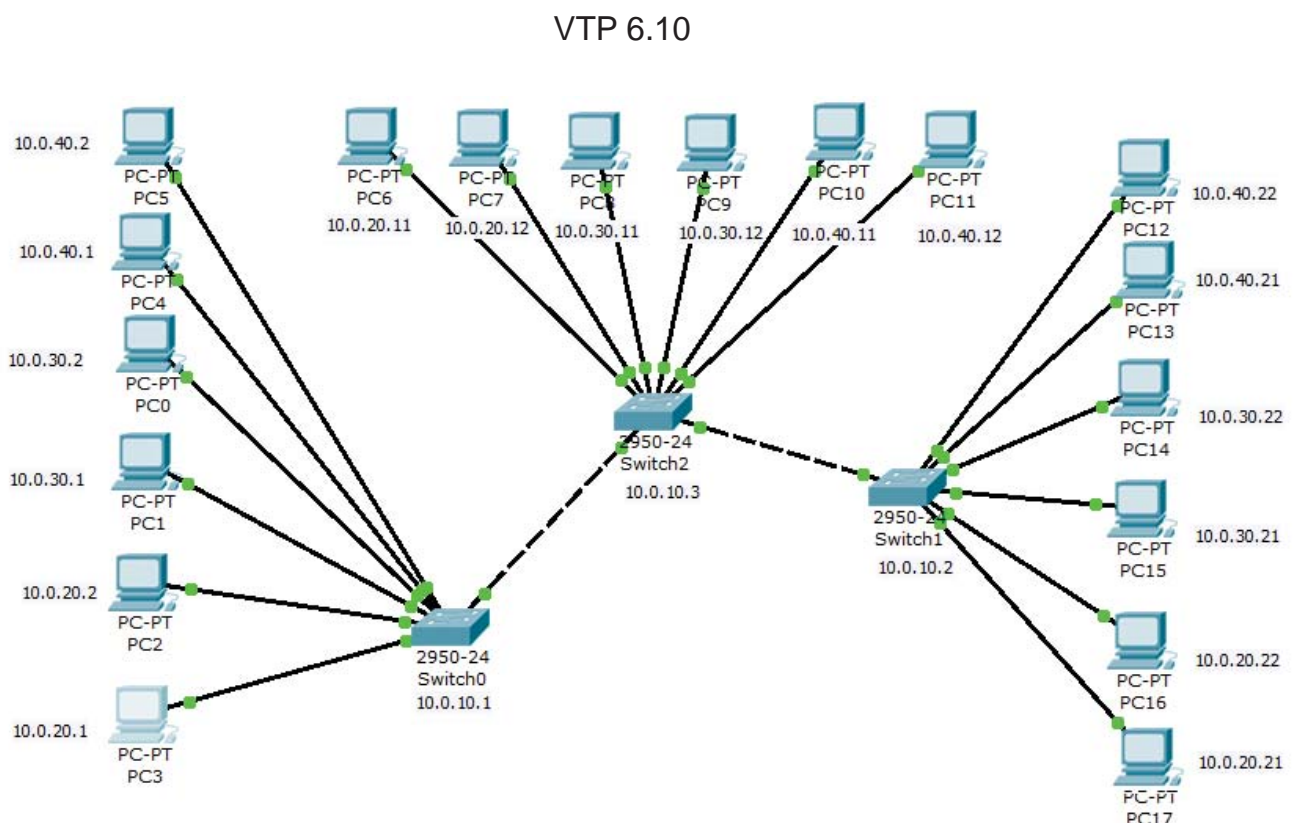
- 3 switches
- VTP

VTP

- VLAN Trunking Protocol (VTP) is a Cisco proprietary protocol that propagates the definition of Virtual Local Area Networks (VLAN) on the whole local area network
- To do this, VTP carries VLAN information to all the switches in a VTP domain.
- VTP advertisements can be sent LAN trunks.
- VTP is available on most of the Cisco Catalyst Family products.
- There are three versions of vtp, namely version 1, version 2, version 3.
- The comparable IEEE standard in use by other manufacturers.

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<pre> SW01 **** enabl config t hostname FL01-R01-SW01 banner motd #FL01-R01- SW01 - 10.0.10.1# line vty 0 4 password cisco login line console 0 password cisco login enable password cisco enable secret cisco1 vtp domain ACU vtp mode server </pre>	<pre> interface vlan 1 ip address 10.0.10.1 255.255.255.0 no shutdown vlan 2 name Finance vlan 3 name HR vlan 4 name Administration interface range fa0/1-24 speed auto duplex auto interface range fa0/1-5 switchport mode access switchport access vlan 2 interface range fa0/6-10 switchport mode access </pre>	<pre> switchport access vlan 3 interface range fa0/11-15 switchport mode access switchport access vlan 4 interface range fa0/23-24 switchport mode trunk end copy running-config startup-config </pre>
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<pre> SW02 **** enabl config t hostname FL01-R02-SW02 banner motd #FL01-R02- SW02 - 10.0.10.2# line vty 0 4 password cisco login line console 0 password cisco login enable password cisco enable secret cisco1 vtp domain ACU vtp mode client </pre>	<pre> interface vlan 1 ip address 10.0.10.2 255.255.255.0 no shutdown interface range fa0/1-24 speed auto duplex auto interface range fa0/1-5 switchport mode access switchport access vlan 2 interface range fa0/6-10 switchport mode access switchport access vlan 3 interface range fa0/11-15 switchport mode access switchport access vlan 4 </pre>	<pre> interface fa0/24 switchport mode trunk interface fa0/23 switchport mode trunk end copy running-config startup-config </pre>
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<pre> SW03 **** enabl config t hostname FL01-R03-SW03 banner motd #FL01-R03- SW03 - 10.0.10.3# line vty 0 4 password cisco login line console 0 password cisco login enable password cisco enable secret cisco1 vtp domain ACU vtp mode client </pre>	<pre> interface vlan 1 ip address 10.0.10.3 255.255.255.0 no shutdown interface range fa0/1-24 speed auto duplex auto interface range fa0/1-5 switchport mode access switchport access vlan 2 interface range fa0/6-10 switchport mode access switchport access vlan 3 interface range fa0/11-15 switchport mode access switchport access vlan 4 </pre>	<pre> interface fa0/24 switchport mode trunk interface fa0/23 switchport mode trunk end copy running-config startup-config </pre>
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<pre> Test SW01 ***** FL01-R01-SW01#show vtp status VTP Version : 2 Configuration Revision : 6 Maximum VLANs supported locally : 255 Number of existing VLANs : 8 VTP Operating Mode : Server VTP Domain Name : ACU VTP Pruning Mode : Disabled VTP V2 Mode : Disabled VTP Traps Generation : Disabled MD5 digest : 0xED 0x01 0xC6 0x30 0xE0 0x1F 0x98 0x2A Configuration last modified by 10.0.10.1 at 3-1-93 00:32:14 Local updater ID is 10.0.10.1 on interface VI1 (lowest numbered VLAN interface found) </pre>	<pre> Test SW02 ***** FL01-R02-SW02#show vtp status VTP Version : 2 Configuration Revision : 6 Maximum VLANs supported locally : 255 Number of existing VLANs : 8 VTP Operating Mode : Client VTP Domain Name : ACU VTP Pruning Mode : Disabled VTP V2 Mode : Disabled VTP Traps Generation : Disabled MD5 digest : 0xED 0x01 0xC6 0x30 0xE0 0x1F 0x98 0x2A Configuration last modified by 10.0.10.1 at 3-1-93 00:32:14 FL01-R02-SW02# </pre>
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Test SW03

FL01-R03-SW03#show vtp status

VTP Version : 2

Configuration Revision : 6

Maximum VLANs supported locally : 255

Number of existing VLANs : 8

VTP Operating Mode : **Client**

VTP Domain Name : **ACU**

VTP Pruning Mode : Disabled

VTP V2 Mode : Disabled

VTP Traps Generation : Disabled

MD5 digest : 0xED 0x01

0xC6 0x30 0xE0 0x1F 0x98 0x2A

Configuration last modified by **10.0.10.1** at
3-1-93 00:32:14

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Thanks,..
See you next week (ISA),...