

Lab#12

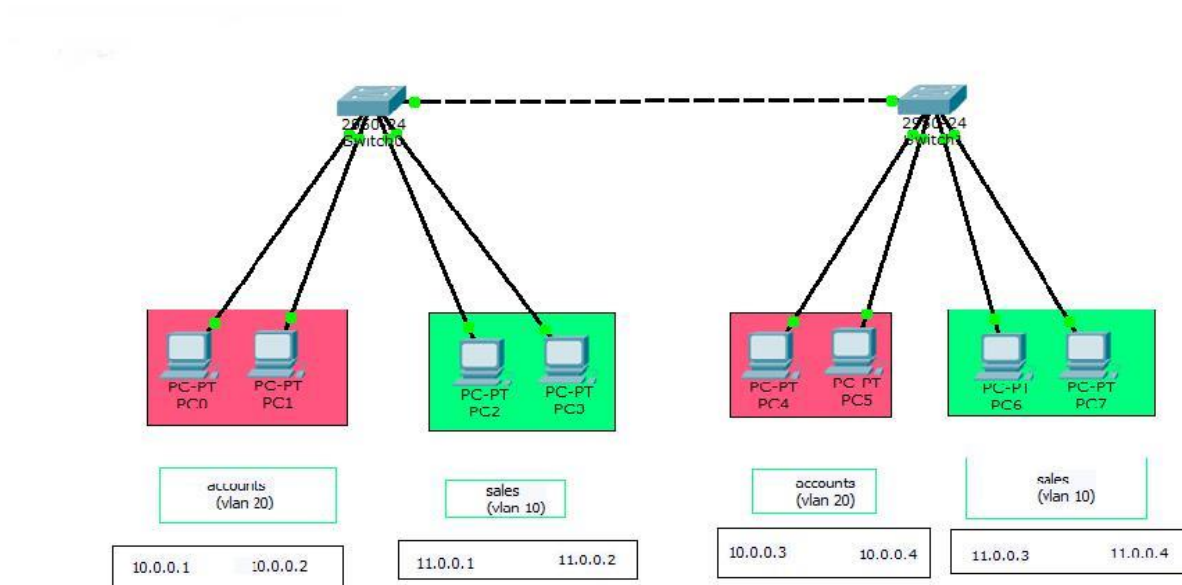
Virtual Local Area Networks

To study about VTP (Vlan trunking protocol) and their implementation.

VTP (Vlan Trunking protocol):

The basic objectives of VLAN Trunking Protocol (VTP) are to manage all configured VLANs across a switched internetwork and to maintain consistency throughout that network. VTP allows you to add, delete, and rename VLANs— information that is then propagated to all other switches in the VTP domain. Here's a list of some of the cool features VTP offers:

- ☐ Consistent VLAN configuration across all switches in the network.
- ☐ Accurate tracking and monitoring of VLANs.
- ☐ Dynamic reporting of added VLANs to all switches in the VTP domain.
- ☐ Plug and Play VLAN adding.



Steps:

- ☐ Assign IP to all PC.
- ☐ Assign vlan name to all PC.
- ☐ Assign port numbers to all pc.
- ☐ Enable Trunk on switch.

EXERCISES:

Q1. Write advantages of VTP?

Q.2) What is mean by encapsulation?

Q.3) Difference between access and trunk mode?

Q.4) Which protocol are use to configure trunking on vlan?
