Experiment

VIRTUAL LAN CONFIGURATION USING CISCO PACKET TRACER

Addressing Table

Device	Interface	IP Address	Subnet mask	Default Gateway
S1	VLAN1	192.168.1.11	255.255.255.0	
S2	VLAN1	192.168.1.12	255.255.255.0	
PC-A	NIC	192.168.1.13	255.255.255.0	
PC-B	NIC	192.168.1.14	255.255.255.0	

PART-1:

objective:

To build the network & config device settings

Steps:

(i) Build the network as shown in topo

(ii) Open the config windows & configure basic settings for each switch.

(iii) From the desktop click config tab & take the IP address info

(iv) Test the connectivity by attempting to the called device

Objective:

To create virtual LAN's switch ports.

Steps:

(i) Create virtual LAN's on the switch

(a) open config window.

(b) Create VLAN's on

(c) Create on S1

(d) Issue show VLAN command brief

(ii) Assign VLAN to connect switch interface

PART - 3:

objective:

To maintain VLAN port assignment the VLAN database

Steps:

(i) Assign a VLAN to multiple interface

(ii) Remote a VLAN assignment from an interface

(iii) Remove a VLAN in a database

PART - 4

objective:

To config on 802.10 trunk the switches:

(i) Use Dip to initiate trunking

Fo/1

(ii) Manually config the trunk

(iii) On interfaces for change the switch mail the set do this on switches

(iv) Resign & config a VLAN for the below given scenerio

RESULT:

Therefore the simulation of VLAN config, using CISCO packet-tracer is succesfully completed.