

Sen 8
24/6/21

Practical - 8

Virtual LAN Configuration

Aim:
a) simulate Virtual LAN configuration
using CISCO Packet Tracer simulation
Addressing Table

Device	Interface	IP Address	Subnet Mask	Default Gateway
B1	VLAN-1	192.168.1.1	255.255.255.0	NA
B2	VLAN-1	192.168.1.2	255.255.255.0	NA
PC-A	NIC	192.168.10.3	255.255.255.0	192.168.10.1
PC-B	NIC	192.168.10.4	255.255.255.0	192.168.10.1

Objectives

Part 1:

Build a Network and Configure the basic device settings

Part 2:

Create VLANs and assign switch ports

Part 3:

Mainframe VLAN Port Assignments and VLAN in the Database

Part 4:

Configure an 802.1Q Trunk between the switches

c) Write the Commands used for Vlan Configuration in Switch

Switch > enable

Switch # configure terminal

Switch (config) # vlan 10

Switch (config-vlan) # name CS2

Switch (config) # interface range 1/1-10

Switch (config) # switchport mode

Switch (config) # switch access

Switch (config) # switch access vlan 10

Switch (config) # interface

Switch (config) # ip address 192.168.1.1

Switch (config) # no shutdown

Switch (config) # exit

Result:

thus the Program is executed
Successfully and the output is
Verified