Computer Networking: Concepts

(CSE 3751)

Experiment 8

Aim:

Implementation of Inter VLAN routing and dynamic routing in computer network using Cisco Packet Tracer

Objectives:

1. Understanding the use of VLAN in a computer network.
2. An overview on dynamic routing such as RIP between two different networks.
3. Configuring VLANs using layer 2 switch and verifying the connectivity between hosts using inter VLAN routing.
4. Verifying the connectivity between two different networks using dynamic routing protocol such as RIP.

Exercises:

1. State the advantage of VLAN in computer networking.
2. How does a trunk help in inter VLAN routing?
3. State the similarity and differences between static and dynamic routing.
4. Differentiate OSPF routing from RIP routing?