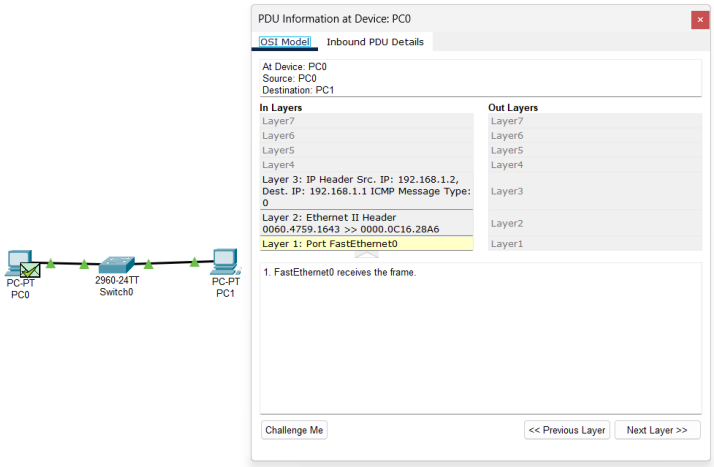
Date: 25/06/2025

Lab Practical #04:

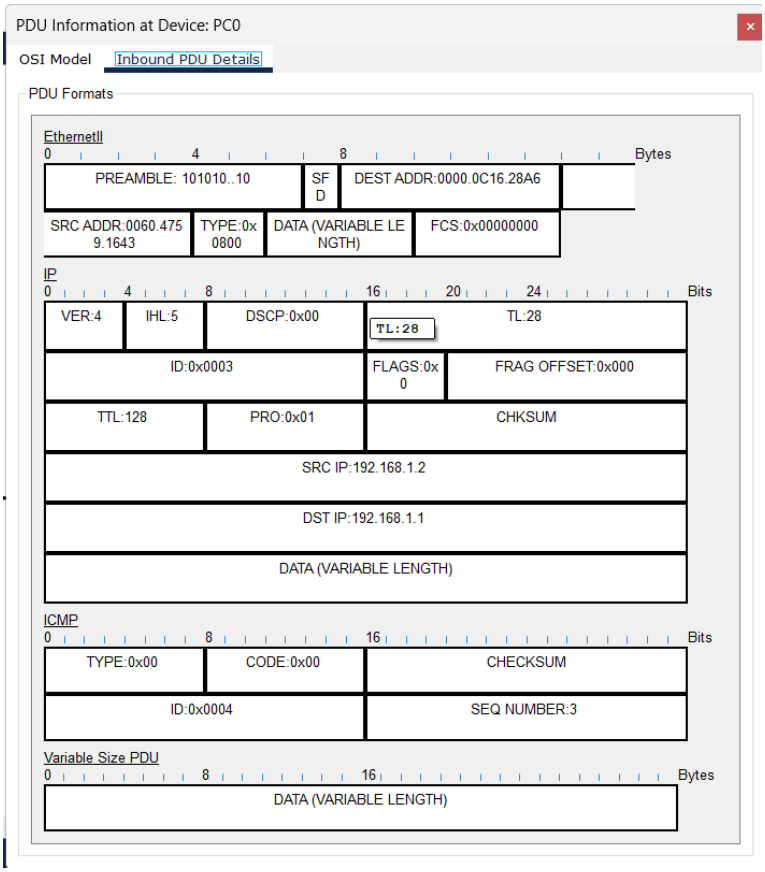
Installation of Network Simulator (Packet Tracer) and Implement different LAN topologies.

Practical Assignment #04:

1. **Create a simple network with switch and two or more pc. Also check connectivity between them using ping command or PDU utility.**



0.1 Simple network with switch OSI Model



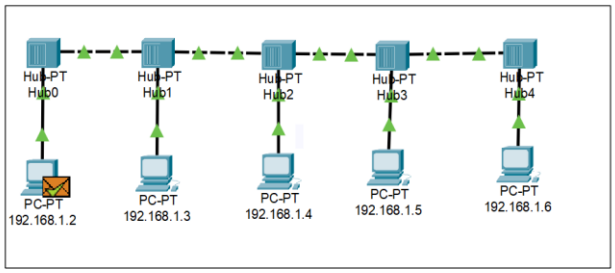
0.2 Simple network with switch PDU

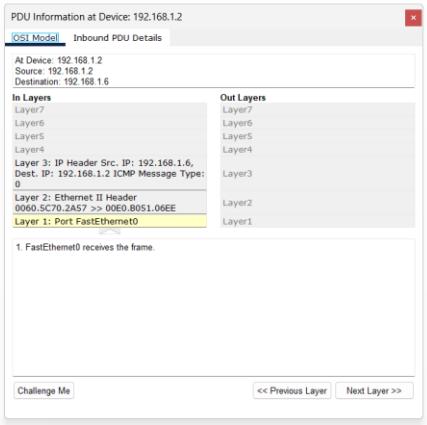
Date: 25/06/2025

2. Implement different topologies in packet tracer.

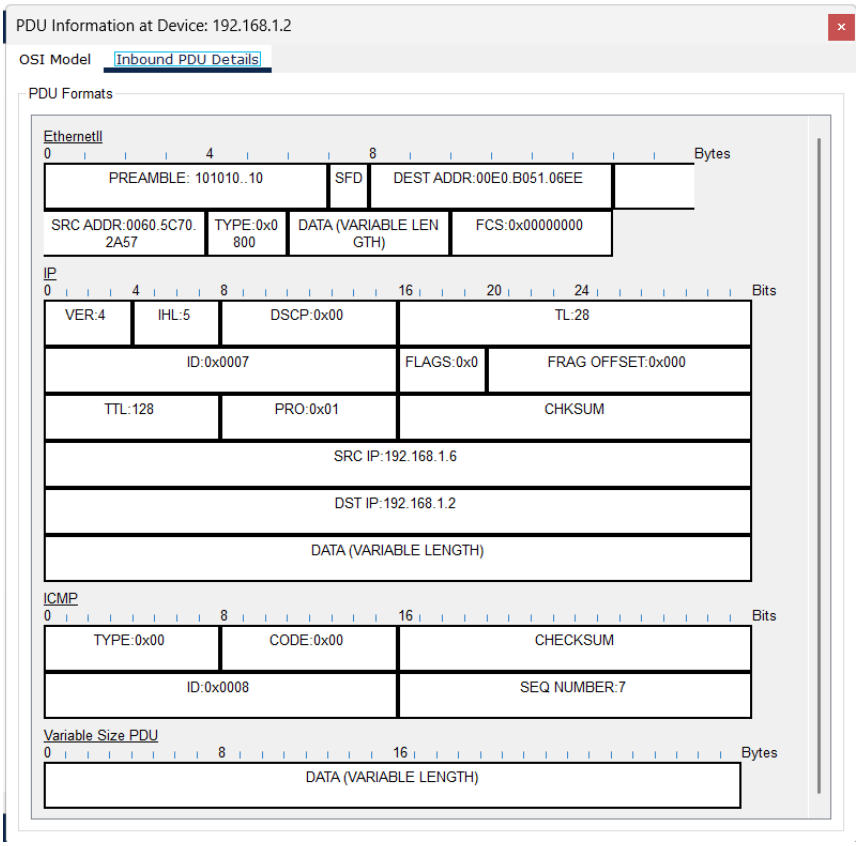
a. Bus
b. Ring
c. Star
d. Mesh
e. Tree

1 Bus





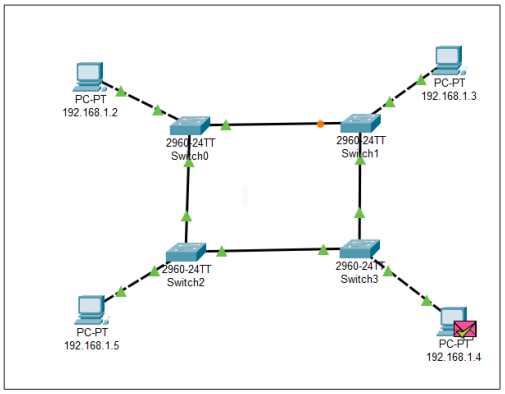
1.1 Bus Topology OSI Model

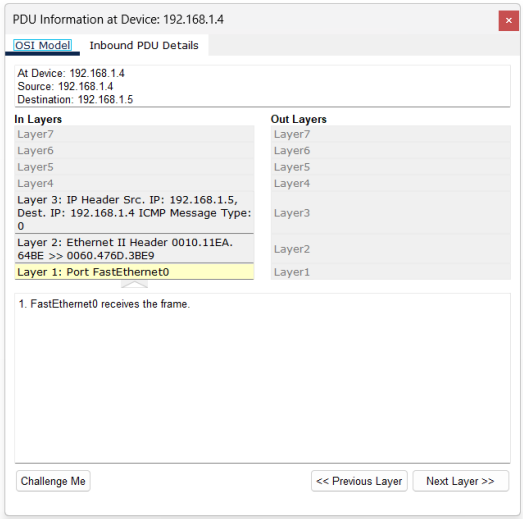


1.2 Bus Topology PDU Screenshot

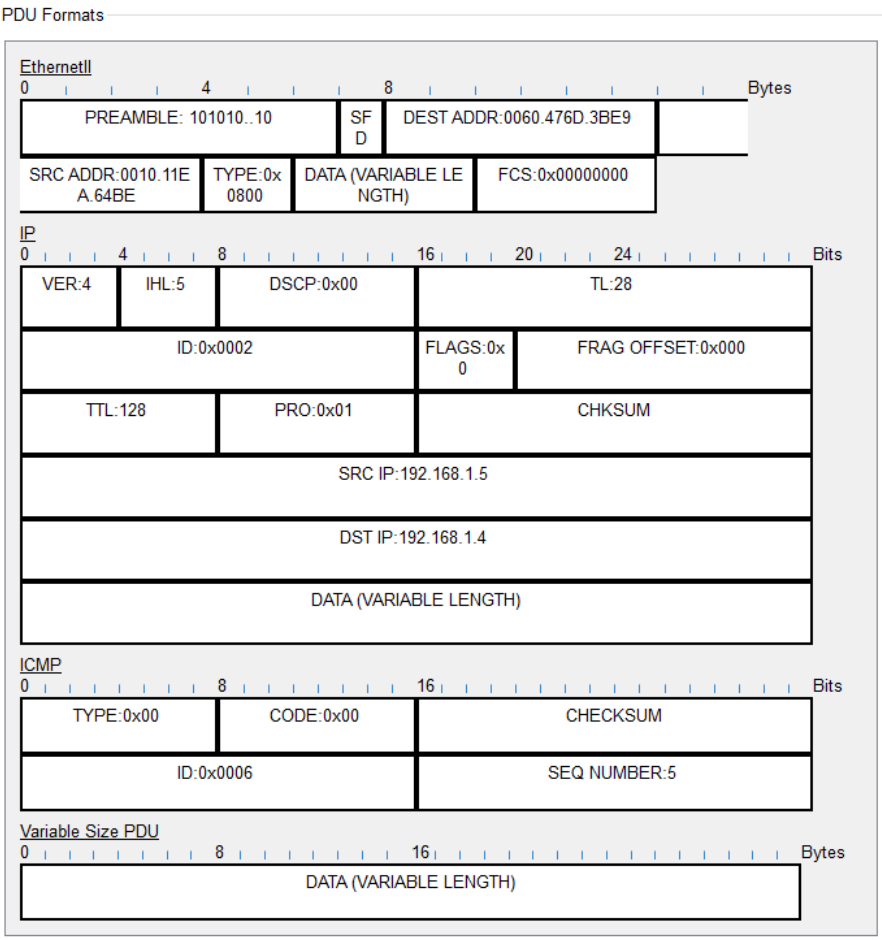
Date: 25/06/2025

2 Ring





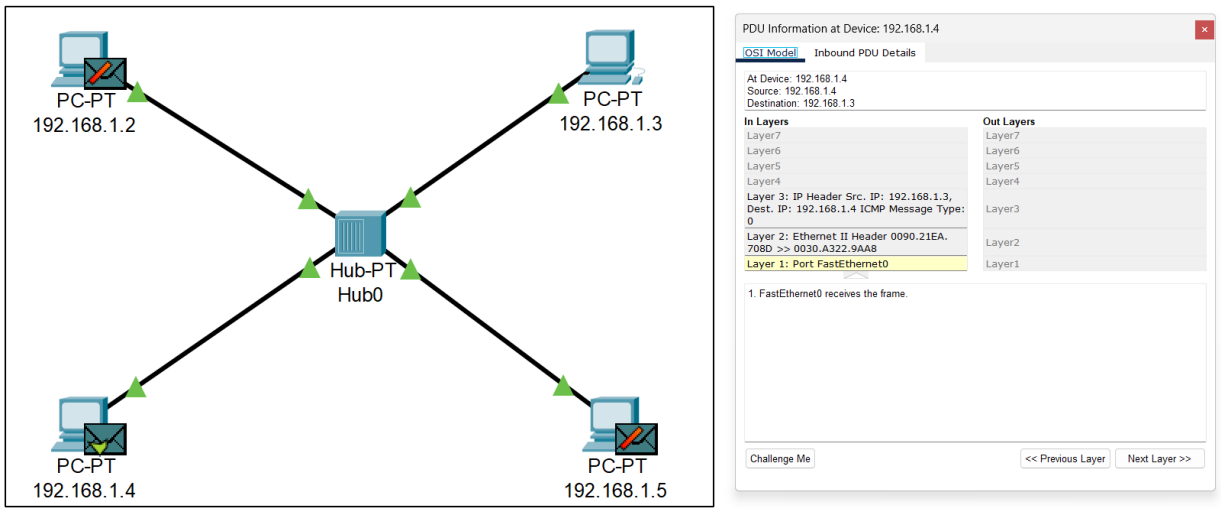
2.1 Ring Topology OSI Model



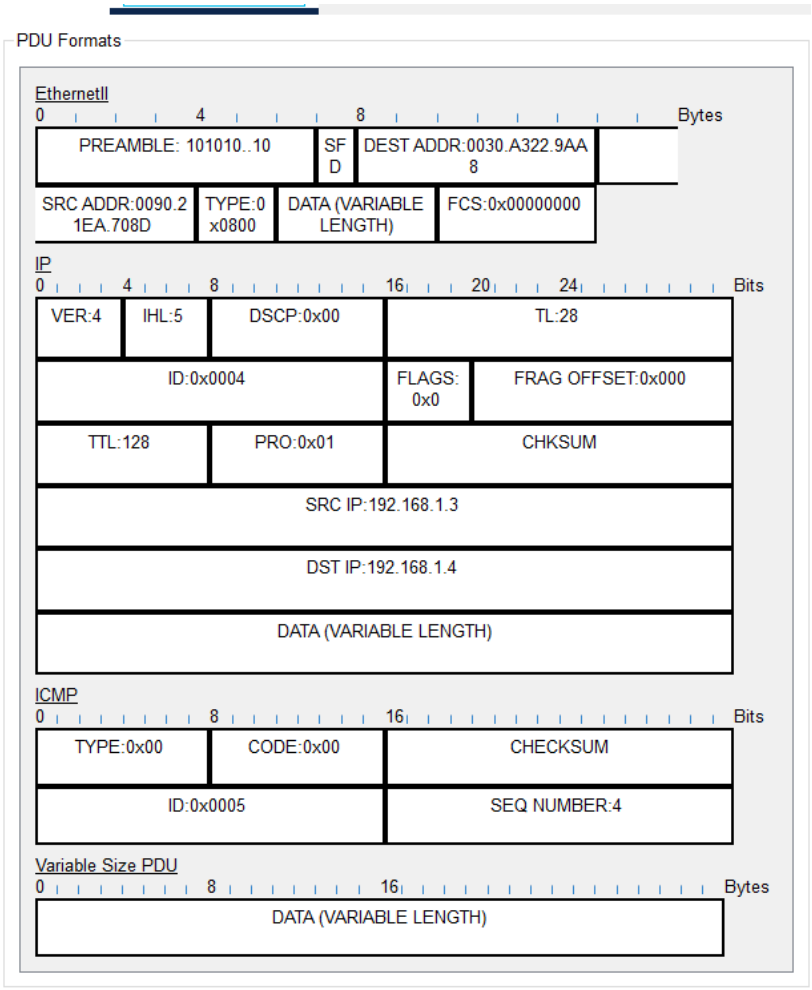
2.2 Ring Topology PDU Screenshot

Date: 25/06/2025

3 Star



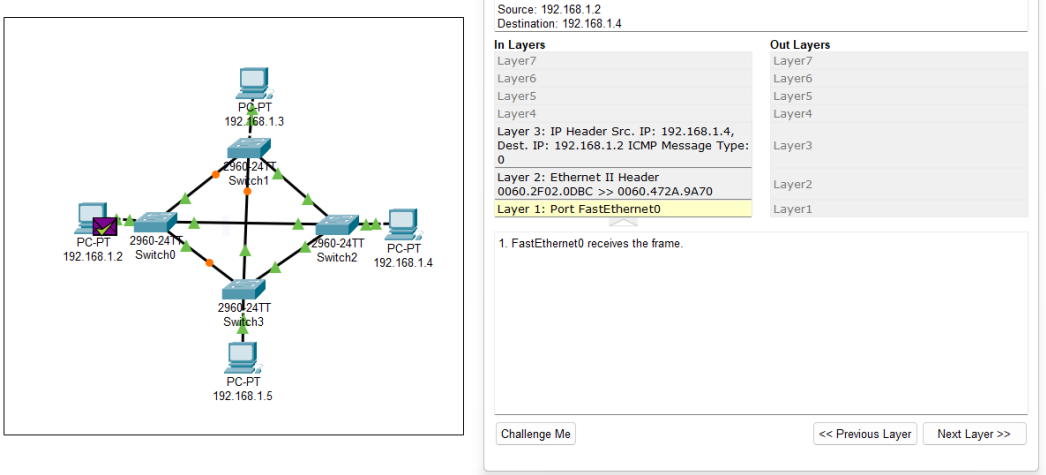
3.1 Star Topology OSI Model



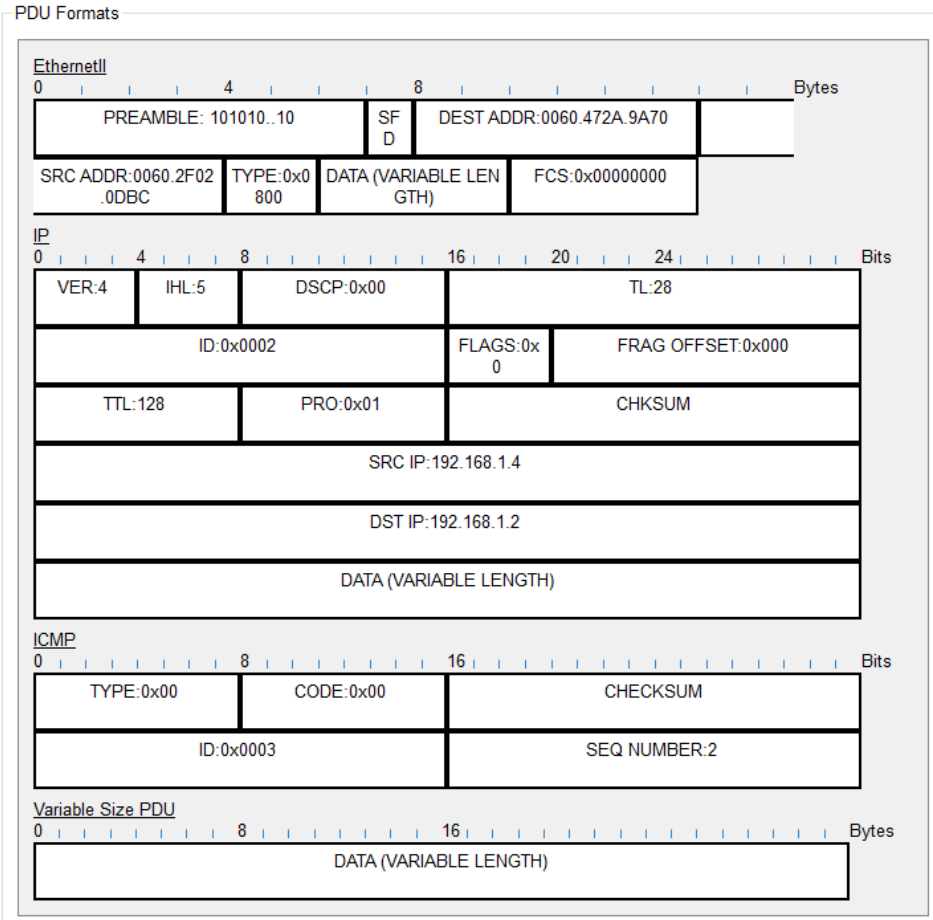
3.2 Star Topology PDU Screenshot

Date: 25/06/2025

4 Mesh



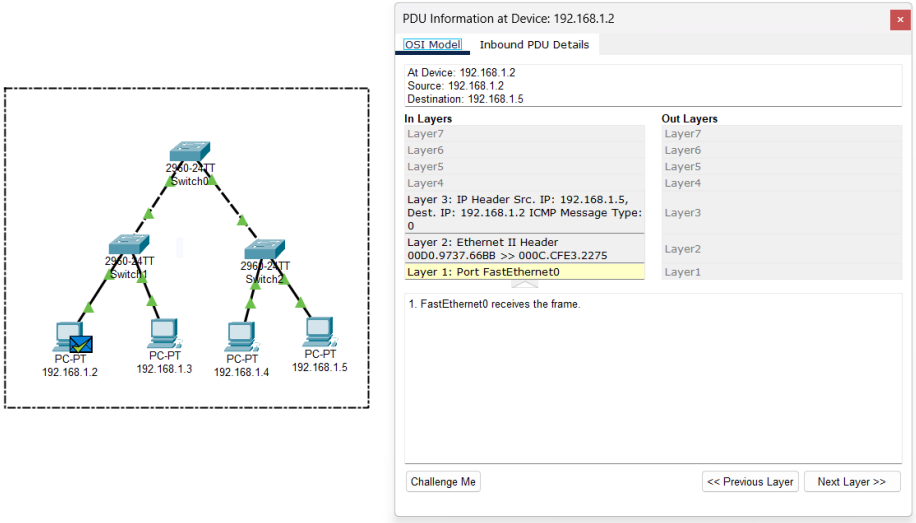
4.1 Mesh Topology OSI Model



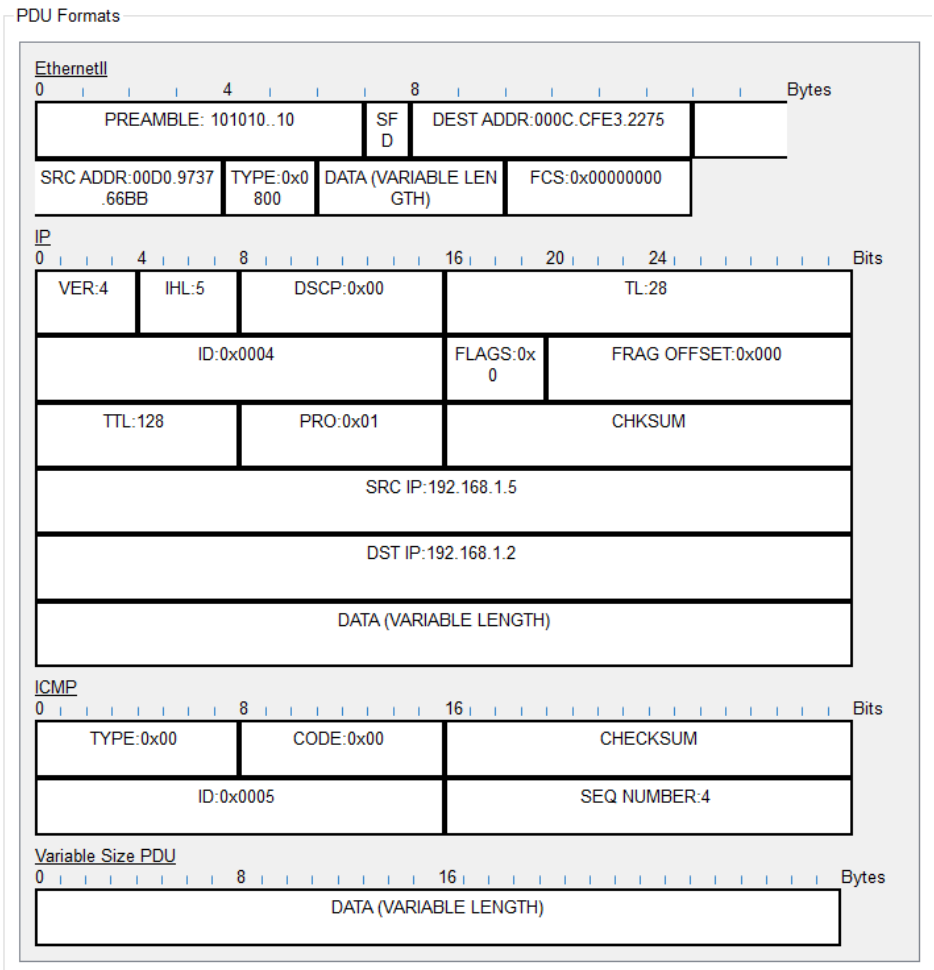
4.2 Mesh Topology PDU Screenshot

Date: 25/06/2025

5 Tree



5.1 Tree Topology OSI Model



5.2 Tree Topology PDU Screenshot