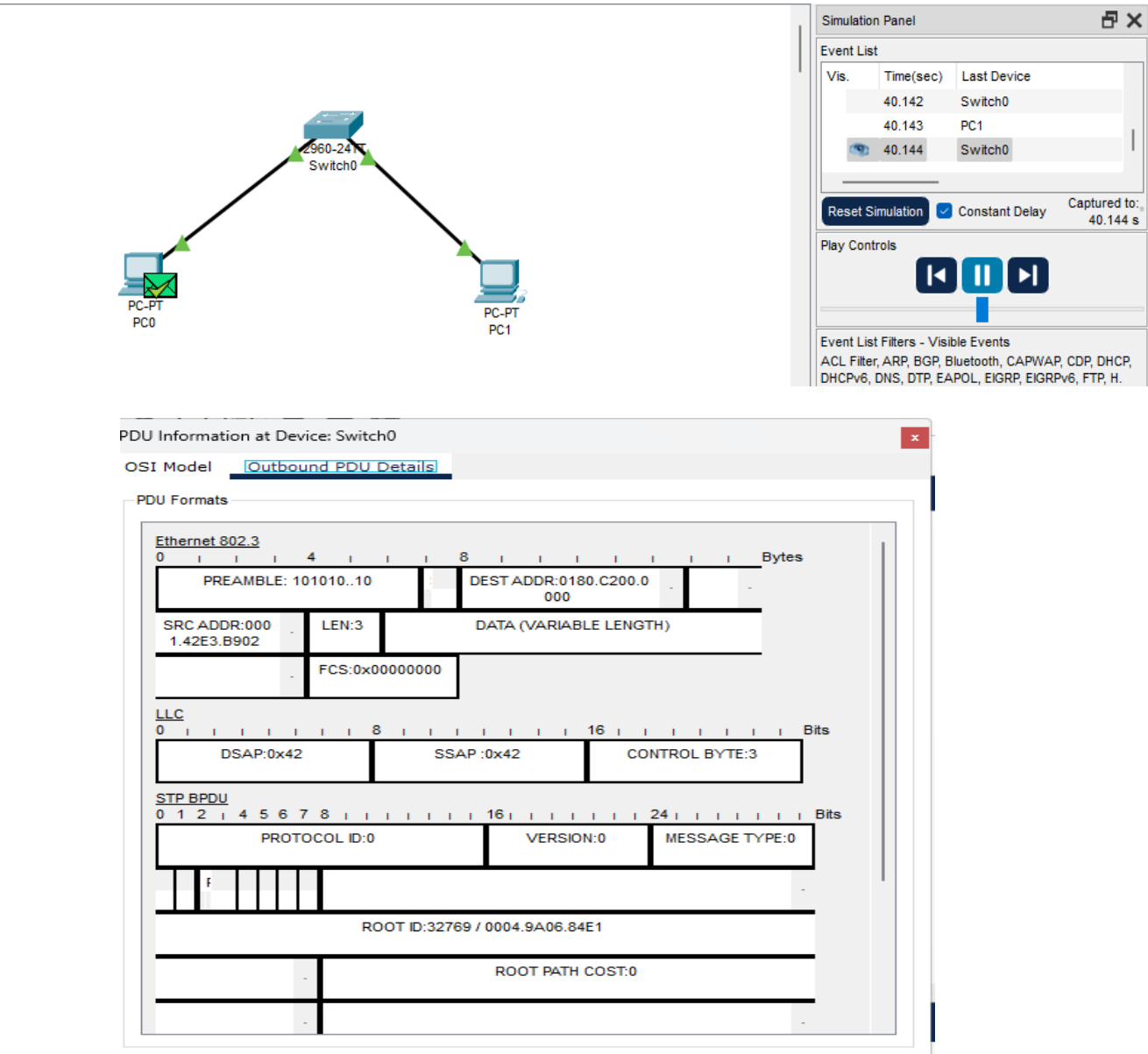


2) Capture and analyze Ethernet frames using Wireshark. Inspect the structure of the frame, including destination and source MAC addresses, Ethertype, payload, and FCS. Use GNS3 or Packet tracer to simulate network traffic.



Ethernet Frame Structure Analysis:

Field	Value	Description
Destination MAC	0180.C200.0000	Multicast/Broadcast (likely STP BPDU)
Source MAC	001.42E3.B902	Sender's MAC address
Ethertype/Length	3	Indicates IEEE 802.3 frame (length field)
Payload	Variable Length	Data being transmitted (STP BPDU in this case)
Frame Check Seq. (FCS)	0x00000000	Used for error detection (CRC)