

Since Cisco Packet Tracer does not allow internet connection. We will use a router and a server to simulate the connection.

The screenshot displays the Cisco Packet Tracer interface. On the left, the 'PDU Information at Device: Router0' window is open, showing the 'Outbound PDU Details' for an ICMP packet. The packet structure is as follows:

Ethernet II	
0	15
PREAMBLE: 101010...10	DEST ADDR: 0009 7C13 26 01
SRC ADDR: 9060 5C4A 1B81	TYPE: 0x0800
DATA (VARIABLE LENGTH)	
FCS: 0x00000000	

  

IP	
0	15
VER: 4	IHL: 5
DSCP: 0x00	TL: 28
ID: 0x0003	FLAGS: 0x0
FRAG OFFSET: 0x000	
TTL: 255	PRO: 0x01
CHKSUM	
SRC IP: 192.168.1.3	
DST IP: 10.10.10.2	
DATA (VARIABLE LENGTH)	

The network topology shows PC0 and PC1 connected to Switch-PT Switch0, which is connected to Router0 (1841). Router0 is connected to Router1 (1841), which is connected to Server-PT Server0. The simulation is running in 'Realtime' mode.

The screenshot displays the Cisco Packet Tracer interface. On the left, the 'PDU Information at Device: Router0' window is open, showing the 'Outbound PDU Details' for an HDLC packet. The packet structure is as follows:

HDLC	
0	15
FLG: 0x7E	ADR: 0x8F
CONTROL: 0x0000	
DATA (VARIABLE LENGTH)	
FCS: 0x0000	
FLG: 0x7E	

  

IP	
0	15
VER: 4	IHL: 5
DSCP: 0x00	TL: 28
ID: 0x0003	FLAGS: 0x0
FRAG OFFSET: 0x000	
TTL: 254	PRO: 0x01
CHKSUM	
SRC IP: 11.11.11.1	
DST IP: 10.10.10.2	
DATA (VARIABLE LENGTH)	

The network topology is the same as in the first screenshot. A 'Snipping Tool' window is overlaid on the bottom right, displaying the message: 'Screenshot copied to clipboard. Automatically saved to screenshots folder. Mark-up and share'.

