

Assign#4

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PART 1

3 b) empty

Out Layers
Layer 7:

3 c) 1. The HTTP client sends a HTTP request to the server.

3 d) 80

3 e) 192.168.1.254

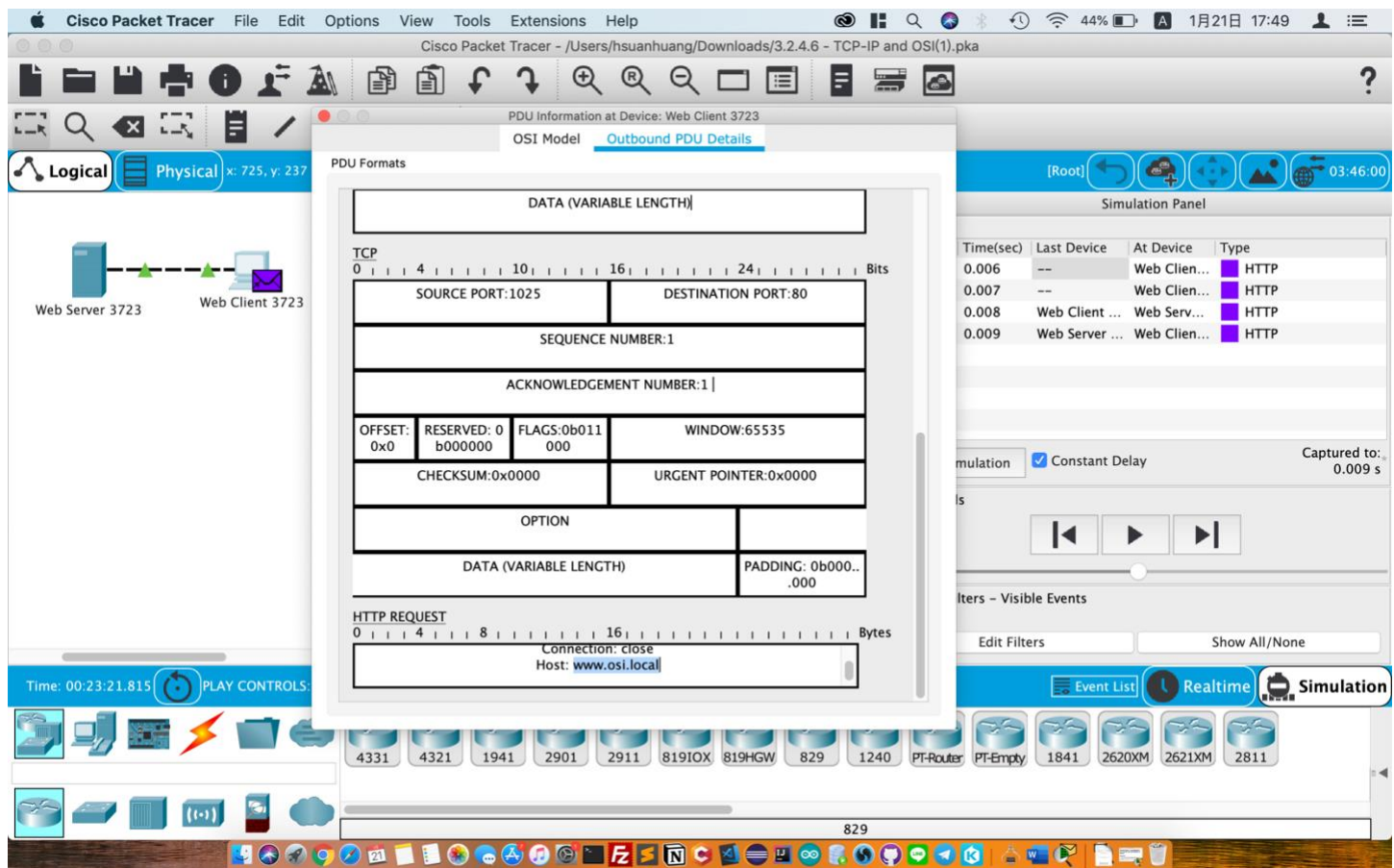
3 f) Layer 2 Ethernet II Header 0060.47CA.4DEE (inbound MAC address) >> 0001.96A9.401D (outbound MAC address)

3 h) SRC IP and DST IP in OSI model layer 3

3 i) Source port and destination port in OSI model layer 4

3 j) www.osi.local in OSI model layer 7

Step 3j: Rearrange the Packet Tracer windows so that both the PDU Information window AND both the Web Server and Web Client images are visible.

PART 2

1 b) DNS, ARP and TCP

1 d) www.osi.local

1 e) Web Client 3723. 192.168.1.254

1 f) 4. The TCP connection is successful. 5. The device sets the connection state to ESTABLISHED.

Step 1f: Rearrange the Packet Tracer windows so that both the PDU Information window AND Simulation Panel windows are visible.

The screenshot displays the Cisco Packet Tracer interface. The main workspace shows a logical topology with a Web Server 3723 and a Web Client 3723 connected. The PDU Information window is open, showing details for an inbound PDU at the Web Server 3723. The OSI Model tab is selected, displaying the following information:

At Device: Web Server 3723
Source: Web Client 3723
Destination: 192.168.1.254

In Layers: Layer7, Layer6, Layer5, Layer4, Layer3, Layer2, Layer1

Out Layers: Layer7, Layer6, Layer5, Layer4, Layer3, Layer2, Layer1

Layer 4: TCP Src Port: 1025, Dst Port: 80
Layer 3: IP Header Src. IP: 192.168.1.1, Dest. IP: 192.168.1.254
Layer 2: Ethernet II Header 0060.47CA.4DEE >> 0001.96A9.401D
Layer 1: Port FastEthernet0

The Simulation Panel on the right shows a list of events. The first event is a TCP connection from the Web Client to the Web Server. The status is 'ESTABLISHED'. The time is 00:23:21.815. The Simulation Panel also shows a list of protocols and a 'Show All/None' button.