LIGHTHOUSE LABS

The Frame's Journey

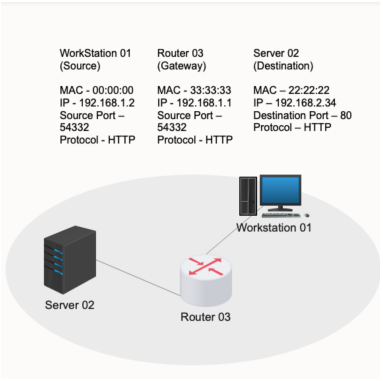
Exercise

In this exercise, complete the chart with the conversation between the router and the server.

Scenario

The user of workstation 01 is accessing the HTTP web server on server 02.

The station must go through router 03, which is the workstation's network gateway, in order to reach the server.



Layer 7, 6, 5 Data							Data			
Layer 4 Segment							Source Port	Destination Port	Data	
							54332	80		
Layer 3 Packet				Source IP	Destination IP	Protocol	Source Port	Destination Port	Data	
				192.168.1.1	192.168.2.34	HTTP	54332	80		
Layer 2 Frame	Destination MAC	Source MAC	Ether Field	Source IP	Destination IP	Protocol	Source Port	Destination Port	Data	FCS
	22:22:22	33:33:33		192.168.1.1	192.168.2.34	HTTP	54332	80		FCS
Layer 1 Bit	0101010100010101010101010101010101010101010101010101011010101011011101010011101001010010100101010010101011100011001001									

***TIP**: Save your completed chart as a PDF, and keep it in your documentation. You may be asked to submit it for feedback.*