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NIC displayed in the “Connect using” text box: Network Access Layer
Network Access layer

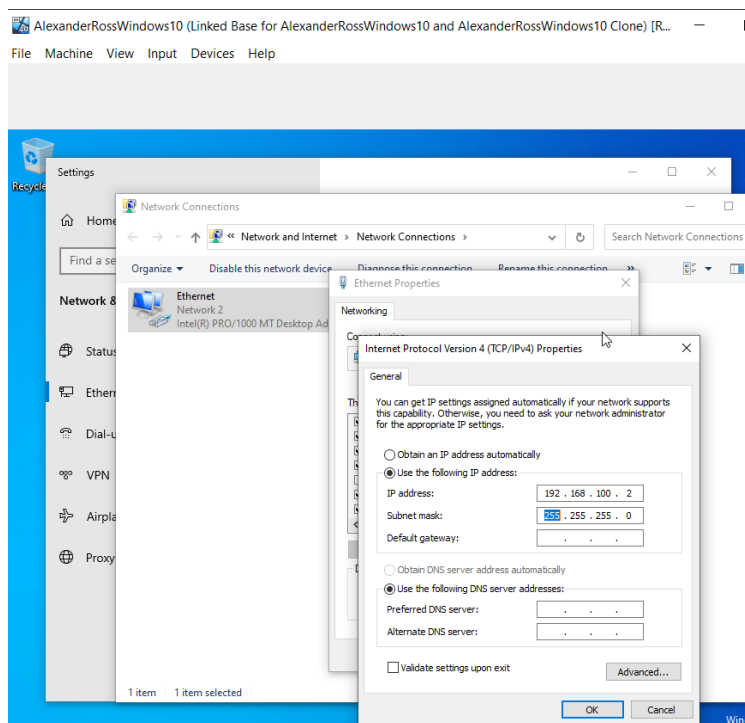
Client for Microsoft Networks: Network Access layer

File and Printer Sharing for Microsoft Networks: Process application + transport layer

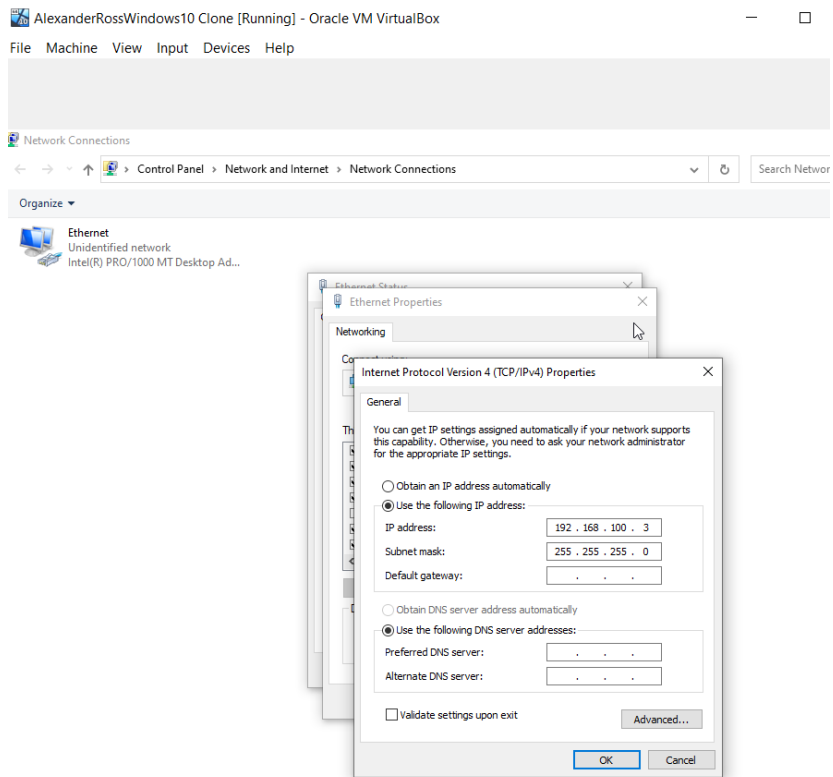
IPV4: Internet Layer

IPV6: Internet Layer

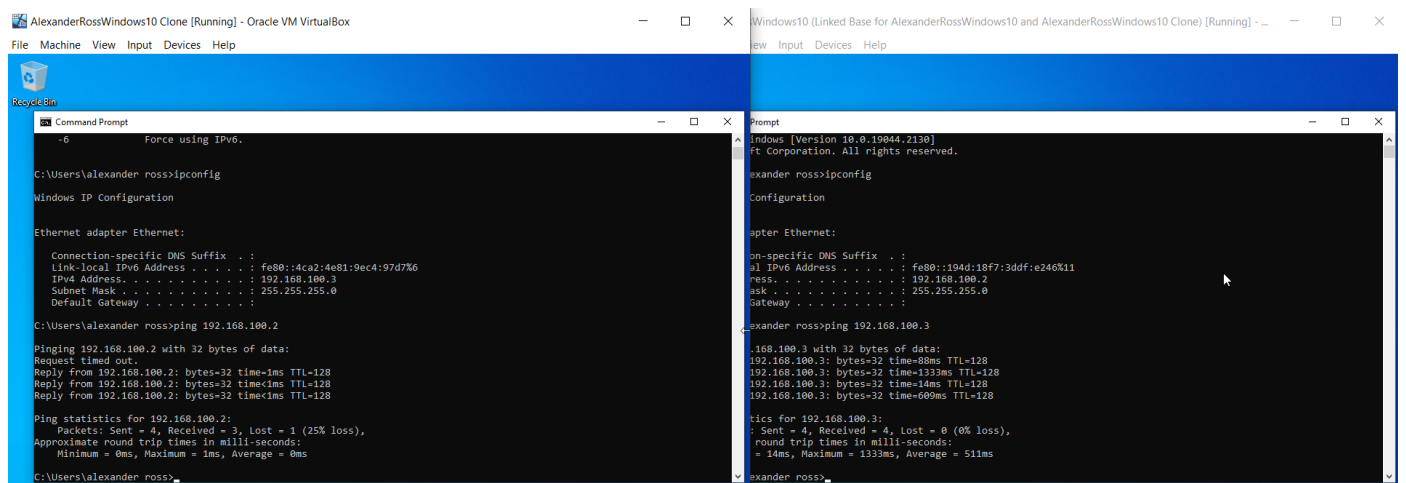
8:



12:

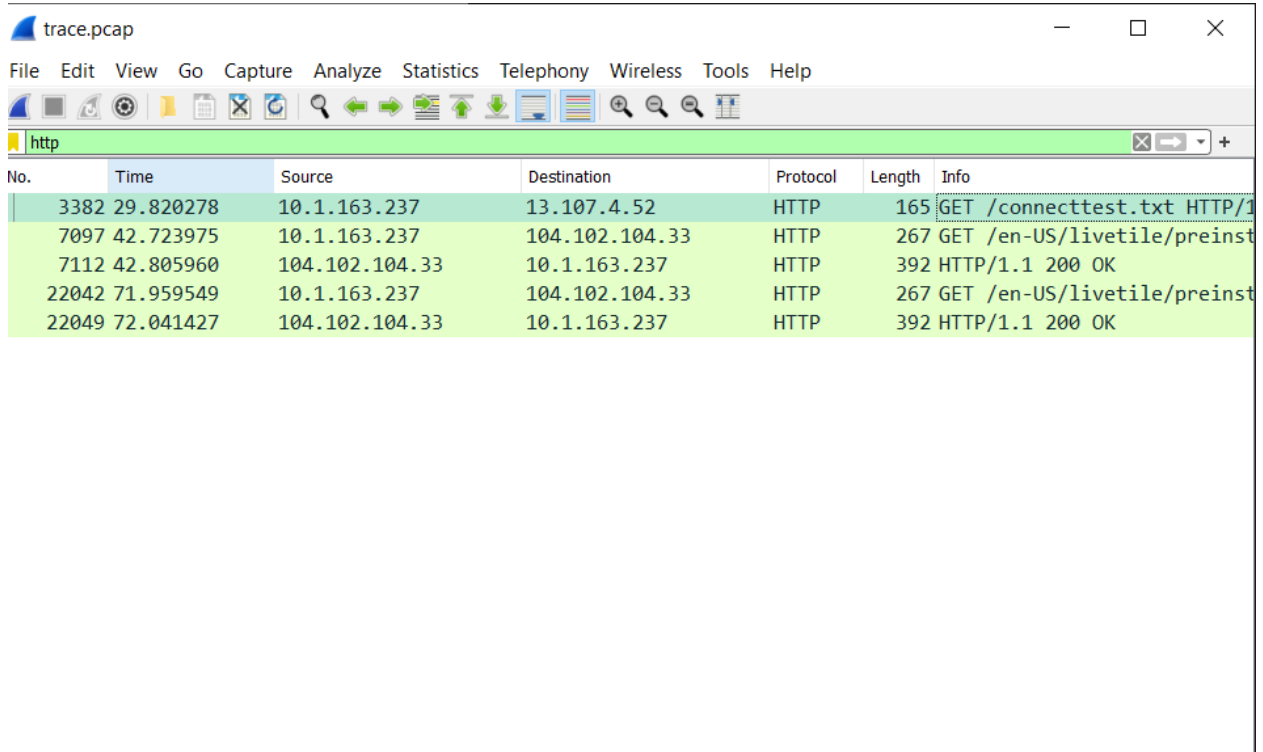


12-20



Exercise 5-2 Identifying the TCP/IP Layers in a Frame (5 points)

5:



The image shows a Wireshark packet capture window titled "trace.pcap". The interface includes a menu bar (File, Edit, View, Go, Capture, Analyze, Statistics, Telephony, Wireless, Tools, Help) and a toolbar with various icons for packet capture and analysis. A filter bar at the top shows "http" selected. Below the filter bar is a table of captured packets. The table has columns for No., Time, Source, Destination, Protocol, Length, and Info. The first packet (No. 3382) is an HTTP GET request from 10.1.163.237 to 13.107.4.52. The second packet (No. 7097) is an HTTP response from 10.1.163.237 to 104.102.104.33. The third packet (No. 7112) is an HTTP response from 104.102.104.33 to 10.1.163.237. The fourth packet (No. 22042) is an HTTP GET request from 10.1.163.237 to 104.102.104.33. The fifth packet (No. 22049) is an HTTP response from 104.102.104.33 to 10.1.163.237.

No.	Time	Source	Destination	Protocol	Length	Info
3382	29.820278	10.1.163.237	13.107.4.52	HTTP	165	GET /connecttest.txt HTTP/1
7097	42.723975	10.1.163.237	104.102.104.33	HTTP	267	GET /en-US/livetile/preinst
7112	42.805960	104.102.104.33	10.1.163.237	HTTP	392	HTTP/1.1 200 OK
22042	71.959549	10.1.163.237	104.102.104.33	HTTP	267	GET /en-US/livetile/preinst
22049	72.041427	104.102.104.33	10.1.163.237	HTTP	392	HTTP/1.1 200 OK

6: network and transport layers

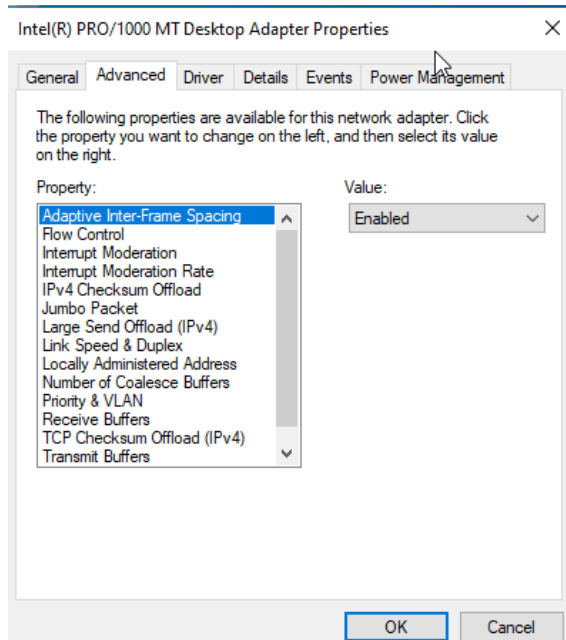
7: Transport layer

8: Transport layer

9: Application layer

Exercise 5-9

5:



8:

Intel(R) PRO/1000 MT Desktop Adapter Properties



General Advanced Driver Details Events Power Management

The following properties are available for this network adapter. Click the property you want to change on the left, and then select its value on the right.

Property:	Value:
Adaptive Inter-Frame Spacing	Auto Negotiation
Flow Control	10 Mbps Full Duplex
Interrupt Moderation	10 Mbps Half Duplex
Interrupt Moderation Rate	100 Mbps Full Duplex
IPv4 Checksum Offload	100 Mbps Half Duplex
Jumbo Packet	1000 Mbps Full Duplex
Large Send Offload (IPv4)	Auto Negotiation
Link Speed & Duplex	
Locally Administered Address	
Number of Coalesce Buffers	
Priority & VLAN	
Receive Buffers	
TCP Checksum Offload (IPv4)	
Transmit Buffers	

OK Cancel

MAC Address:

08-00-27-e2-c7-47

Vendor

08:00:27 PCS Computer Systems GmbH