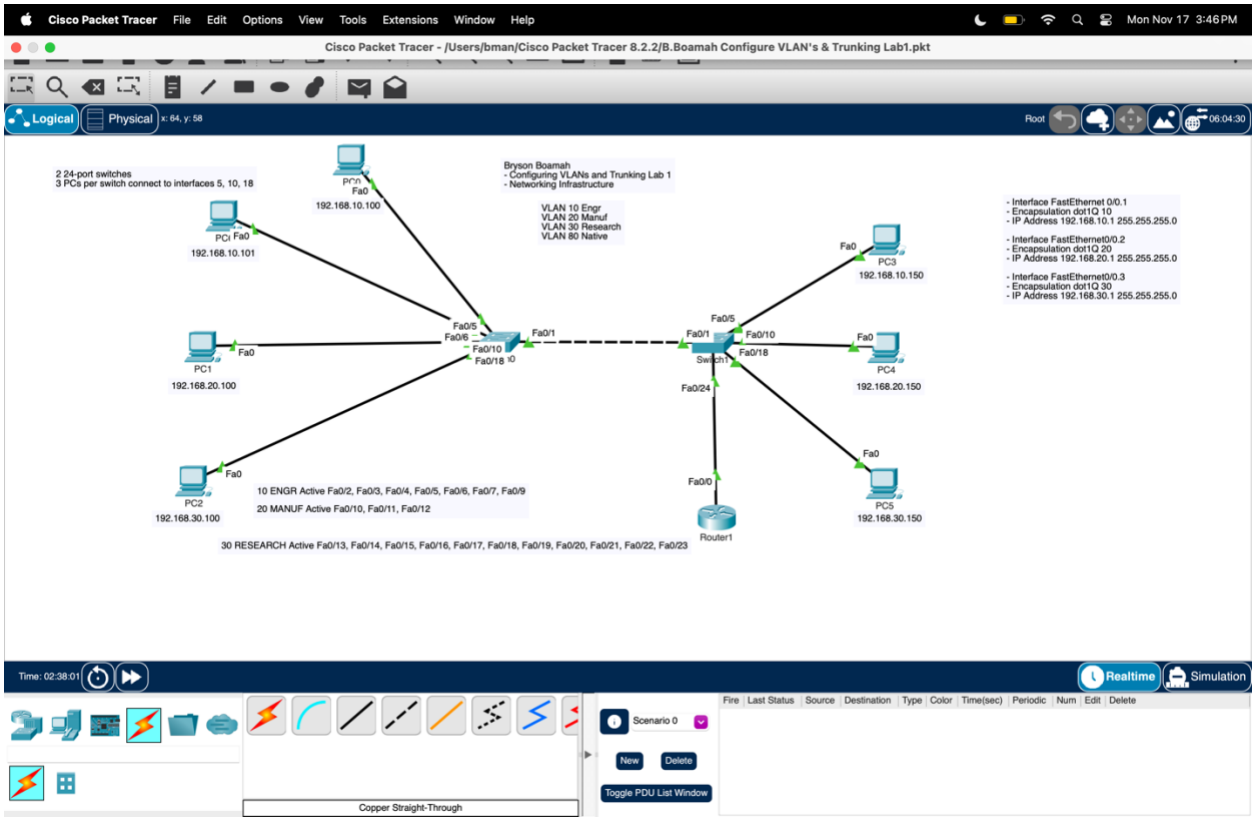
Networking Infrastructure Management

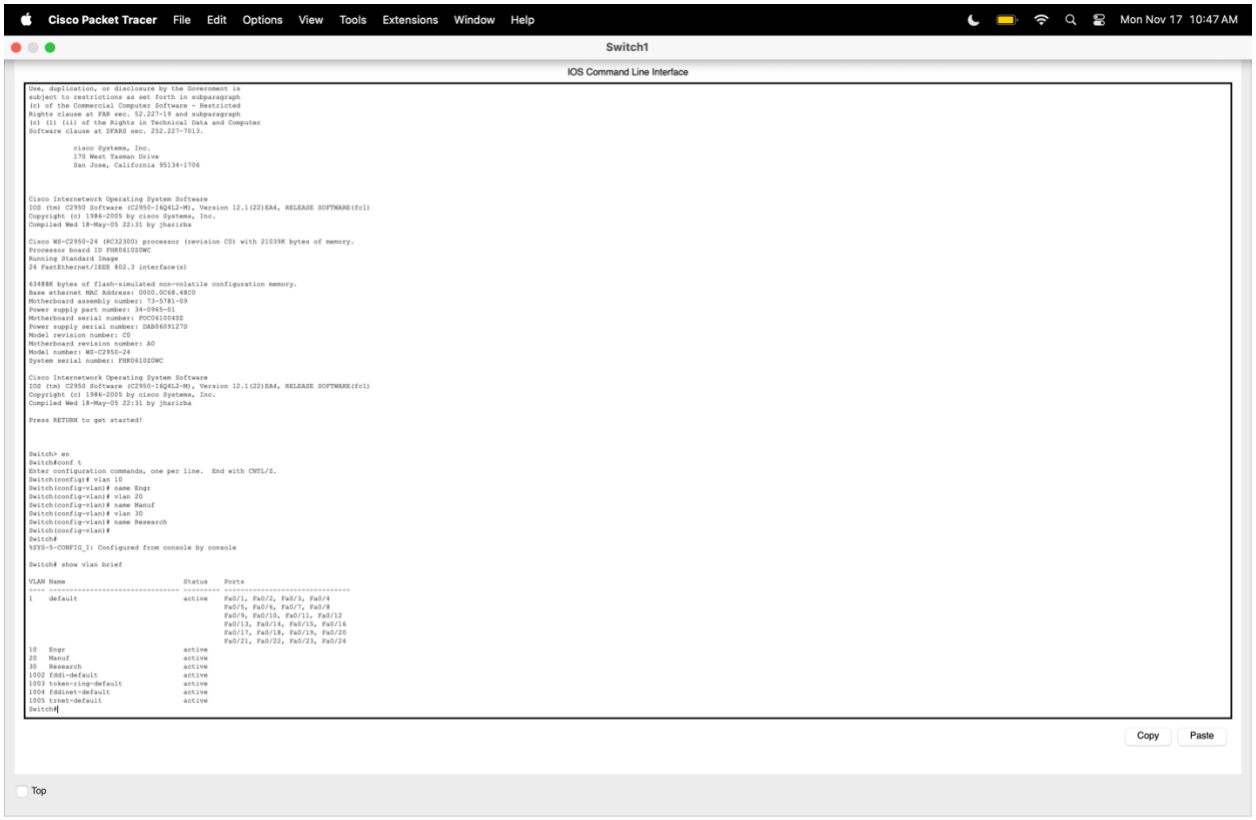
Configuring VLANs and Trunking Lab 1

Compete the Configuring VLANs and Trunking Lab 1 and submit the following screenshots.

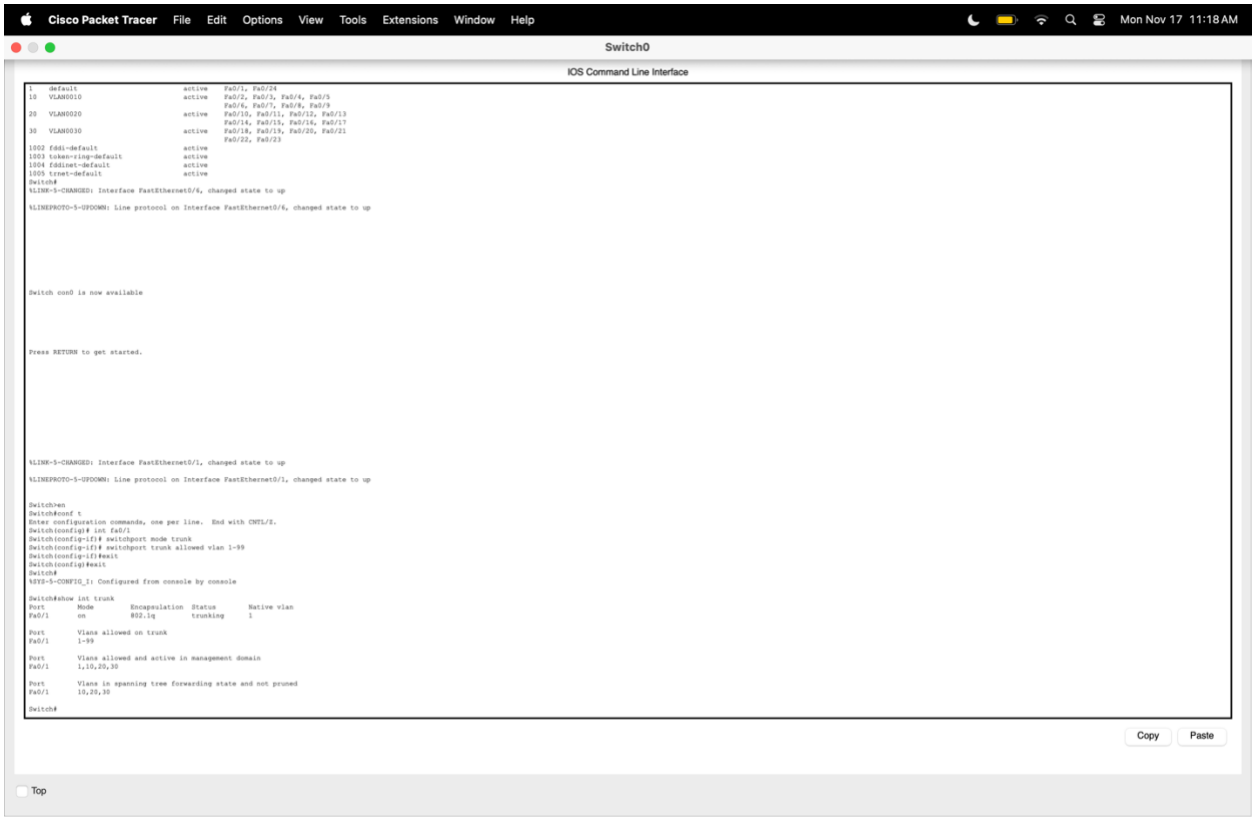
1. Submit a screenshot of the Packet Tracer diagram. Annotate all VLANs interfaces and label all statically assigned IP addresses on the diagram. Include student name and lab number on the diagram.



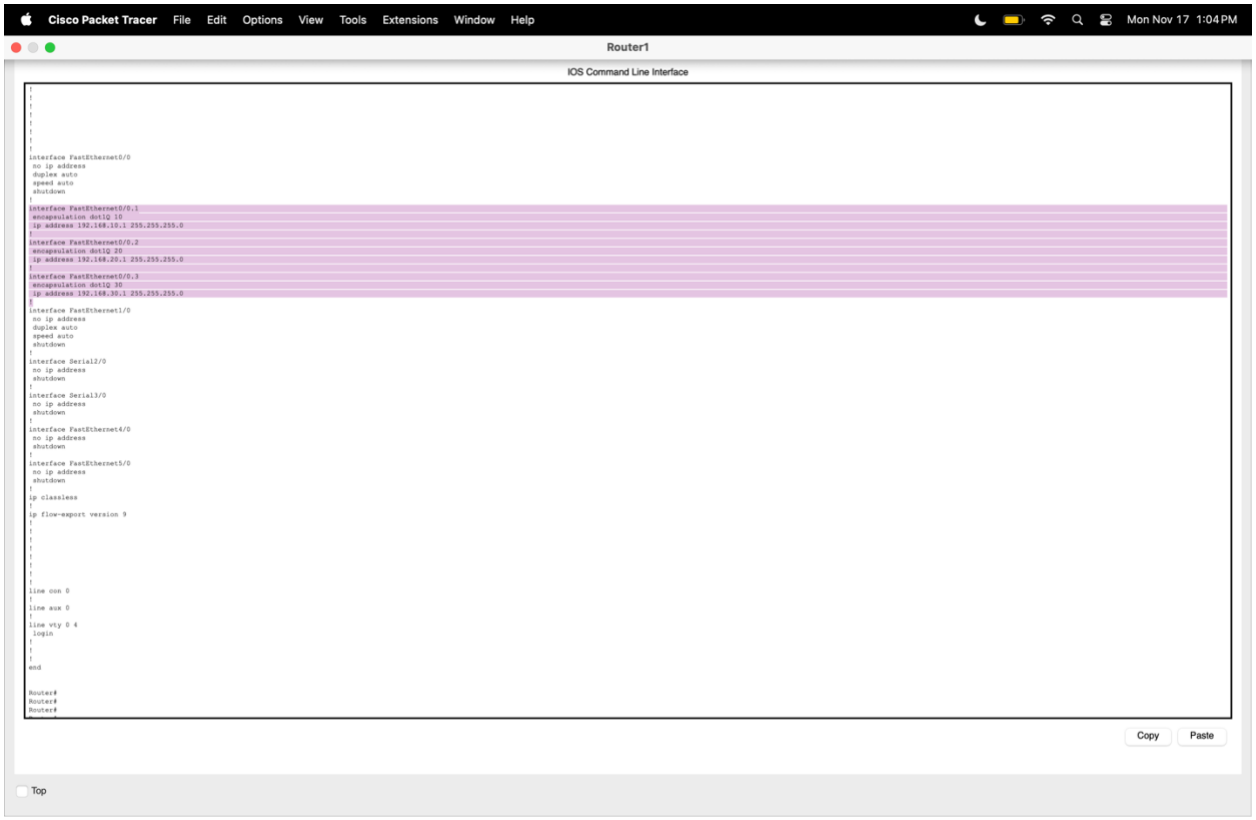
2. Run the ‘show vlan brief’ command on one of the switches and submit a screenshot of the results.



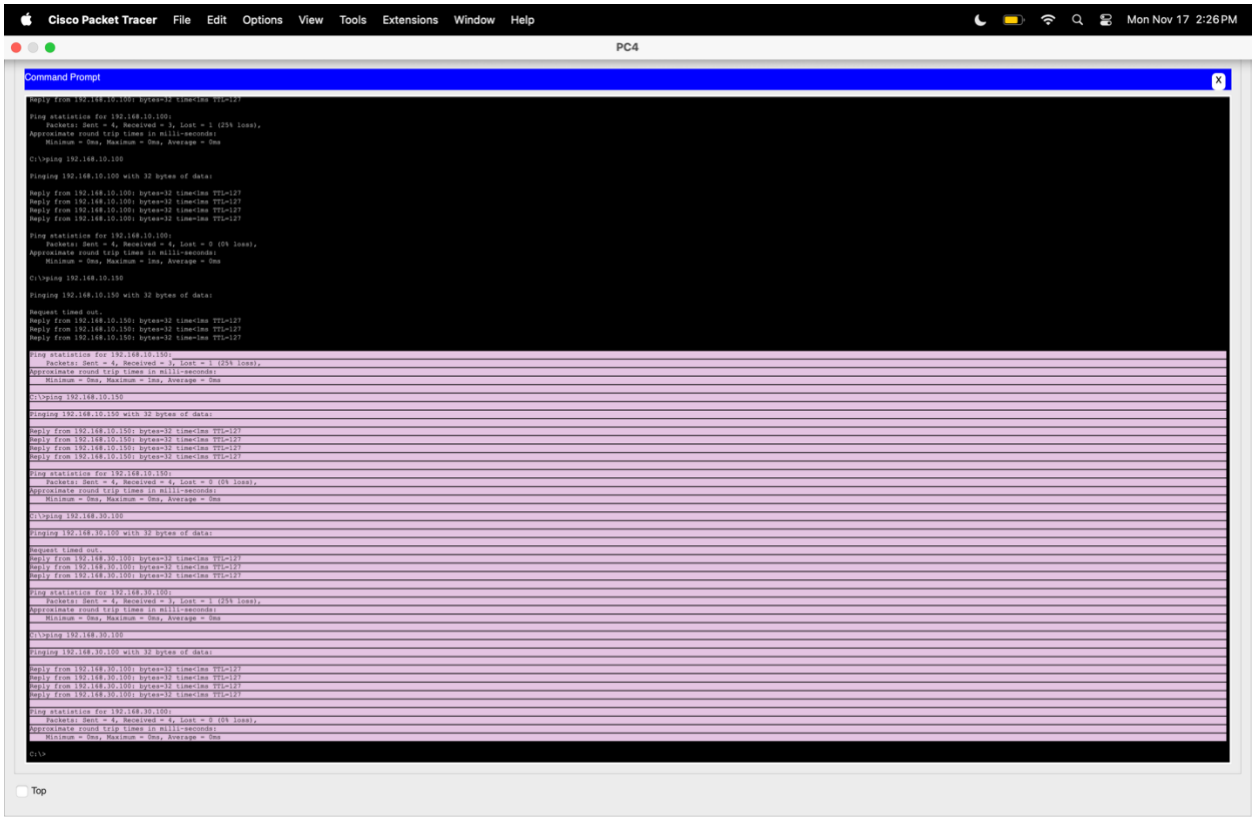
3. Run the ‘show int trunk’ command on one of the switches and submit a screenshot of the results.



4. Run the ‘show run’ command displaying router configuration.



5. Ping between PCs at 192.168.10.150 and 192.168.30.100 and submit screenshot of results. Ensure sending PC IP address is displayed.


Cisco Packet Tracer File Edit Options View Tools Extensions Window Help
Mon Nov 17 2:26 PM
PC4
Command Prompt
Reply from 192.168.10.100: bytes=32 time<1ms TTL=127
Ping statistics for 192.168.10.100:
Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 0ms, Average = 0ms
C:\>ping 192.168.10.100
Pinging 192.168.10.100 with 32 bytes of data:
Reply from 192.168.10.100: bytes=32 time<1ms TTL=127
Reply from 192.168.10.100: bytes=32 time<1ms TTL=127
Reply from 192.168.10.100: bytes=32 time<1ms TTL=127
Reply from 192.168.10.100: bytes=32 time=1ms TTL=127
Ping statistics for 192.168.10.100:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 1ms, Average = 0ms
C:\>ping 192.168.10.150
Pinging 192.168.10.150 with 32 bytes of data:
Request timed out.
Reply from 192.168.10.150: bytes=32 time<1ms TTL=127
Reply from 192.168.10.150: bytes=32 time<1ms TTL=127
Reply from 192.168.10.150: bytes=32 time<1ms TTL=127
Ping statistics for 192.168.10.150:
Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 1ms, Average = 0ms
C:\>ping 192.168.10.150
Pinging 192.168.10.150 with 32 bytes of data:
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Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
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Minimum = 0ms, Maximum = 0ms, Average = 0ms
C:\>ping 192.168.30.100
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Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 0ms, Average = 0ms
C:\>
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