

1. Go to <http://packetlife.net/captures/protocol/smtp> and download and open the packet capture `ipv4-smtp.pcapng`. Click on Statistics and Protocol Hierarchy. How many SMTP packets do you see? Close the window.
2. Click on Statistics, then Conversations. Wireshark displays the conversations. Select the Ethernet tab. Check and uncheck the Name Resolution box. What are the results? Close the window.
3. Find the first TCP handshake. These are packet numbers \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_.
4. What is the IP address of the host that started the handshake?
5. In the first packet of the handshake, the source port is the temporary port the host wants to use for the connection. What is the client's port?
6. The destination port indicates the application the host wants to use on the serving host. What is the client's port? What application does the host want to use on the server?
7. Go to frame 5 and expand the IP header. What is the time to live value? \_\_\_\_\_
8. In the lower left corner is the expert system. What color is the circle? What does that color indicate?
9. Go to frame 5 and expand the TCP header. What is the window size? What is the calculated window size?
10. Right click on Calculated Window size and apply as a column. Right click on the Calculated Window size and select "Remove this column".