Performing Packet Capture and Traffic Analysis (4e)

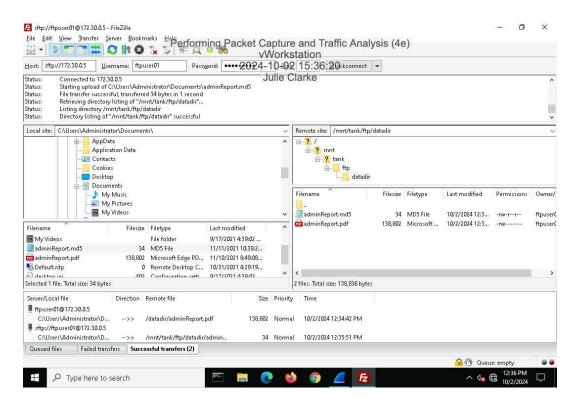
Fundamentals of Information Systems Security, Fourth Edition - Lab 03

Student:		Email:
Julie Clarke		clarke323@usf.edu
Time on Task:		Progress:
7 hours, 10 minutes		100%
Report Generated: Wednesday, October 2, 2024 at 11:28 PM		

Section 1: Hands-On Demonstration

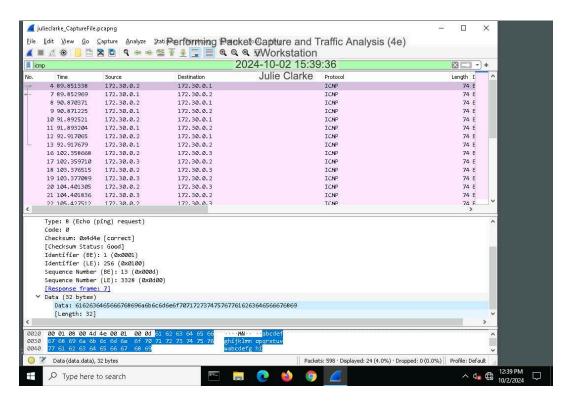
Part 1: Configure Wireshark and Generate Network Traffic

29. Make a screen capture showing the successful FTP and SFTP file transfers.

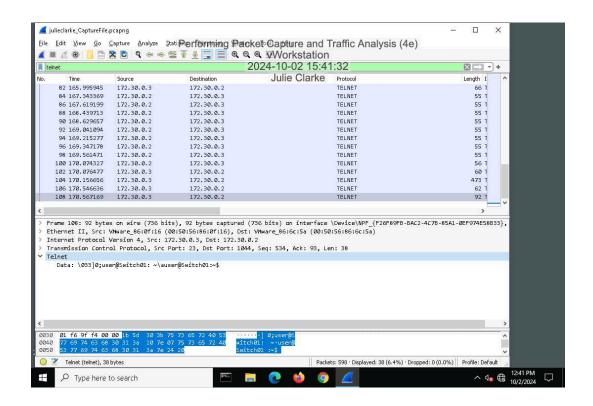


Part 2: Analyze Traffic Using Wireshark

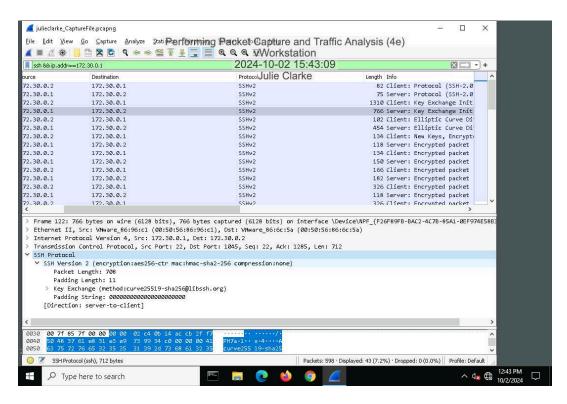
7. Make a screen capture showing the ICMP payload.



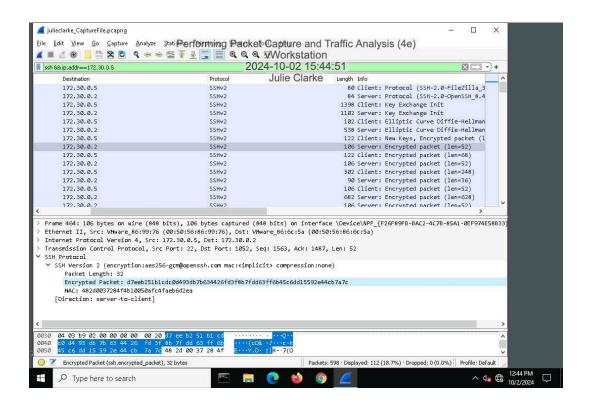
15. Make a screen capture showing the Last Login: information in the Packet Details pane.



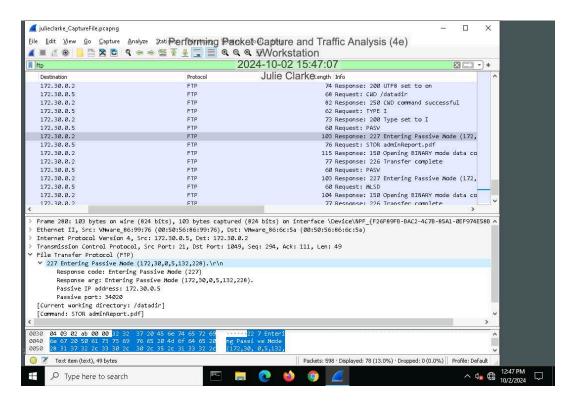
21. Make a screen capture showing the SSHv2 encryption and mac selections for the SSH connection.



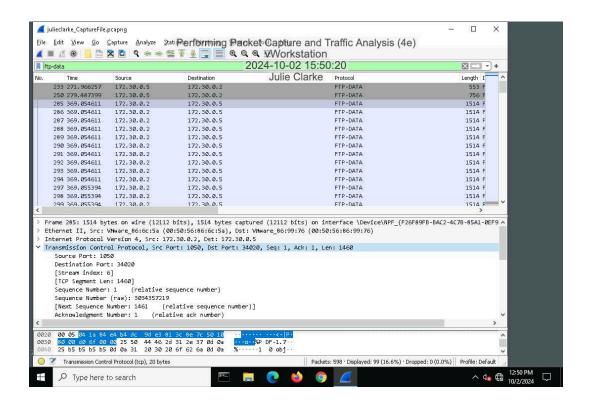
26. Make a screen capture showing the highlighted (encrypted) data in the Packet Bytes pane.



31. Make a screen capture showing the passive port specified by the FTP server in the Packet Details pane.



35. Make a screen capture showing the Destination Port field value in the Packet Details pane.

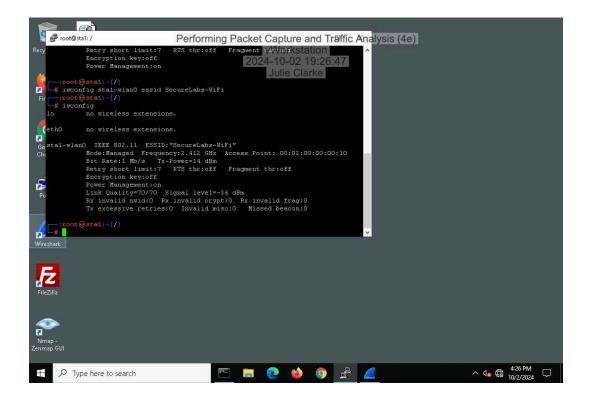


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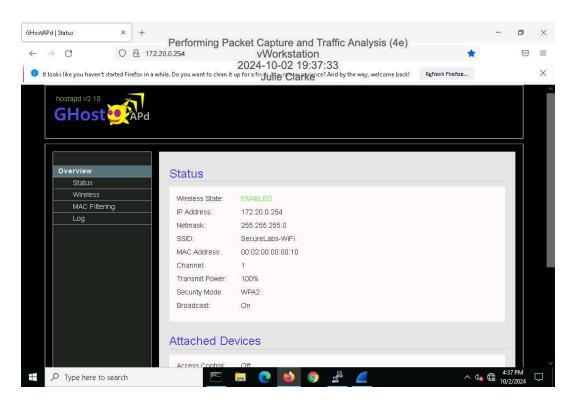
Section 2: Applied Learning

Part 1: Configure Wireshark and Generate Network Traffic

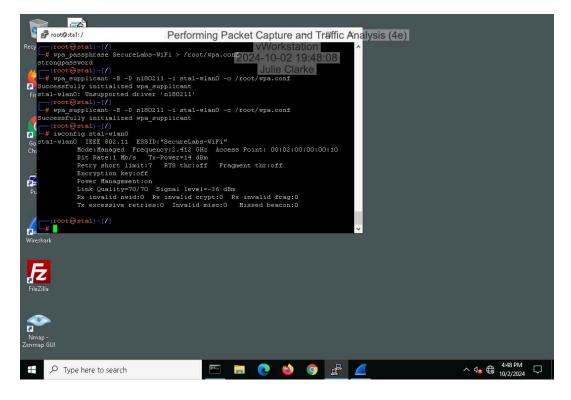
11. Make screen capture showing sta1-wlan0 connected to the SecureLabs-WiFi network.



18. Make a screen capture showing the updated security mode on the Status page.

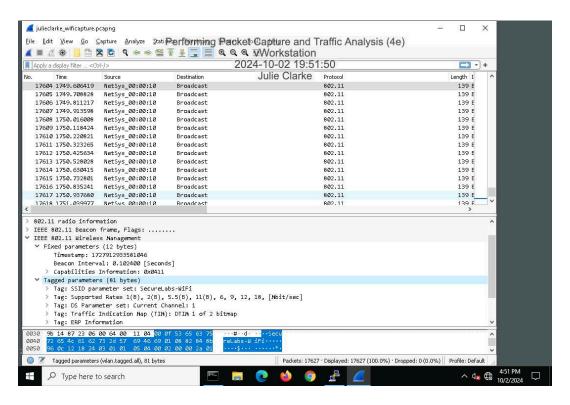


24. Make a screen capture showing the connection to the now-encrypted WLAN.

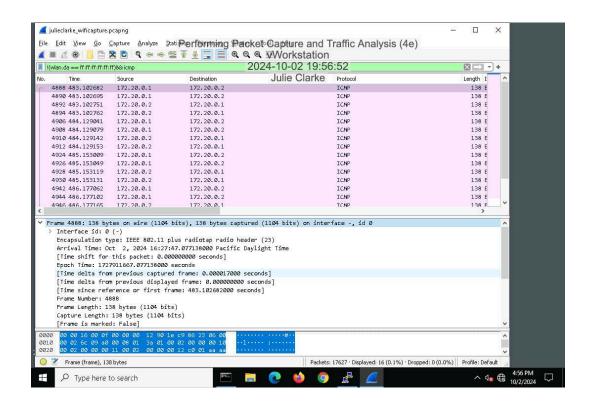


Part 2: Analyze Traffic Using Wireshark

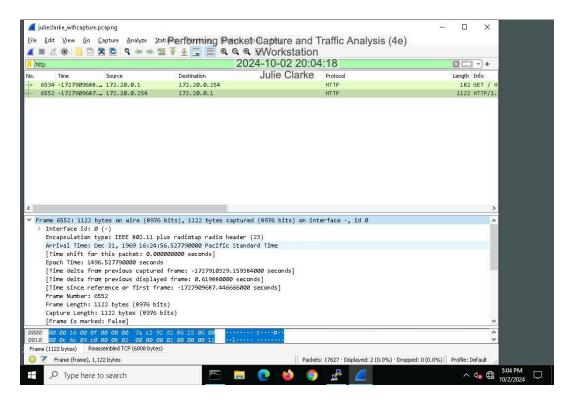
5. Make a screen capture showing the SSID and channel in the Packet Details pane.



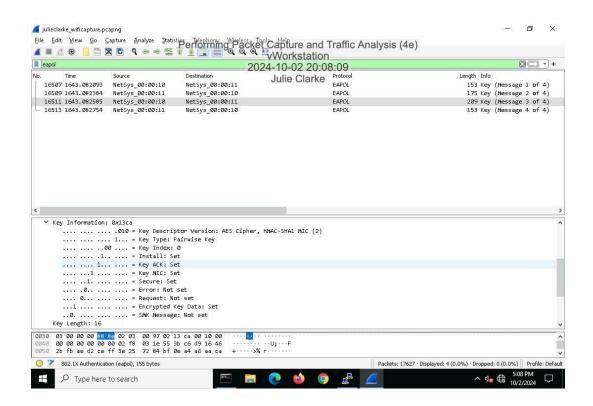
11. Make a screen capture showing the Packet Details for the ICMP packet.



14. Make a screen capture showing the Packet Details for the HTTP packet.



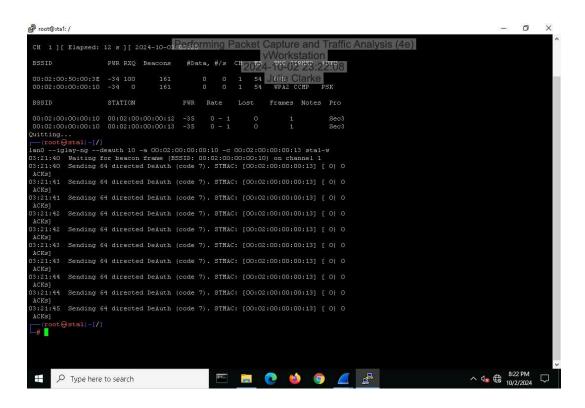
18. Make a screen capture showing the key information for Message 3 in the four-way handshake.



Section 3: Challenge and Analysis

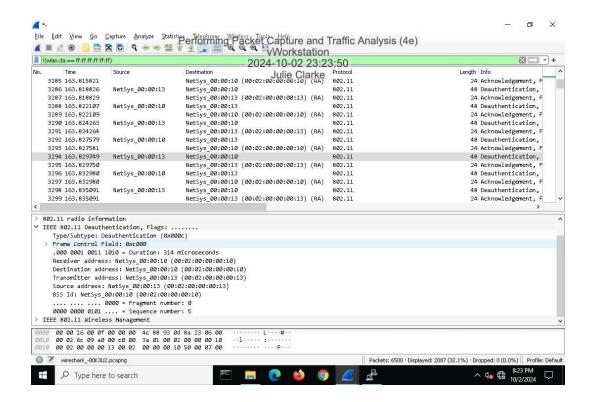
Part 1: Generate Malicious Network Traffic

Make a screen capture showing the aireplay-ng --deauth output.

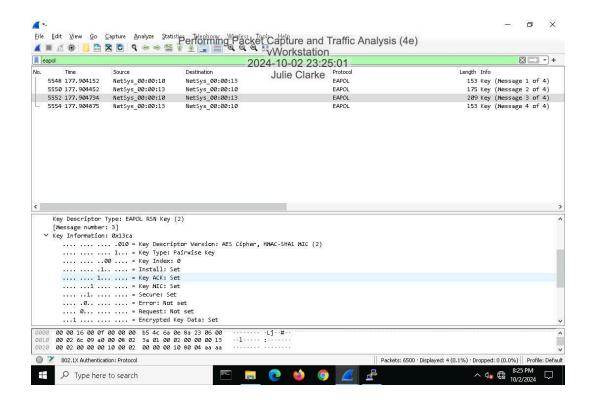


Part 2: Analyze Malicious Network Traffic

Make a screen capture showing one of the deauth packets that you generated between the BSSID and your selected station.



Make a screen capture showing the packets related to the four-way handshake.



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