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Time on Task:18 hours, 46 minutes

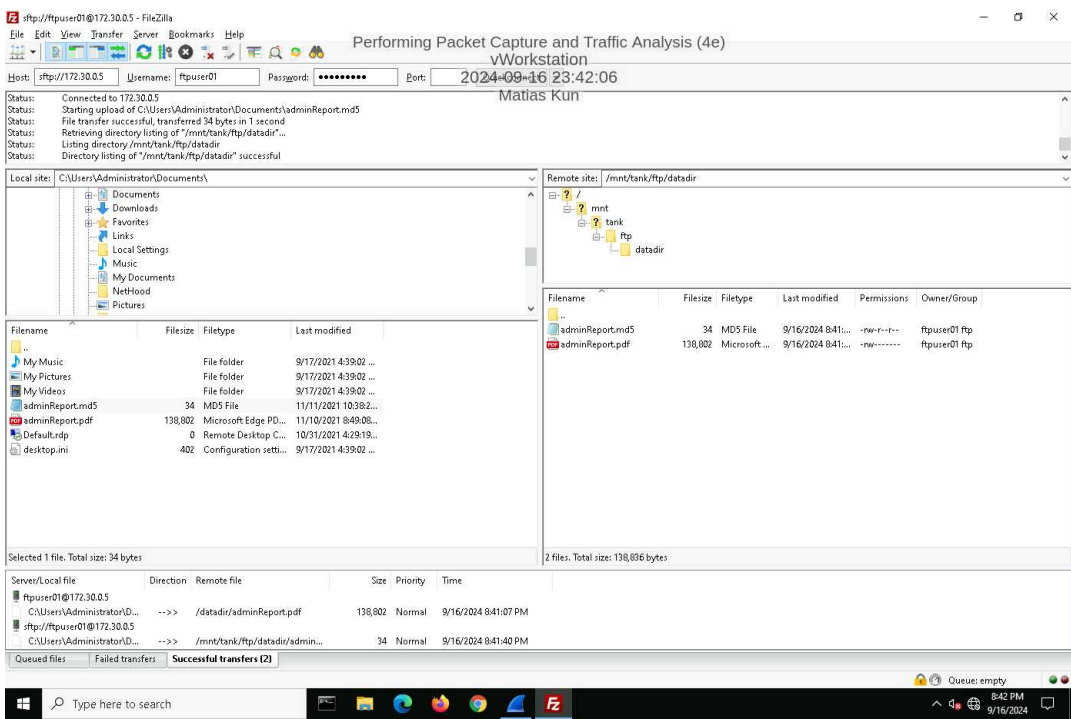
Progress:100%

Report Generated: Wednesday, October 2, 2024 at 10:18 PM

Section 1: Hands-On Demonstration

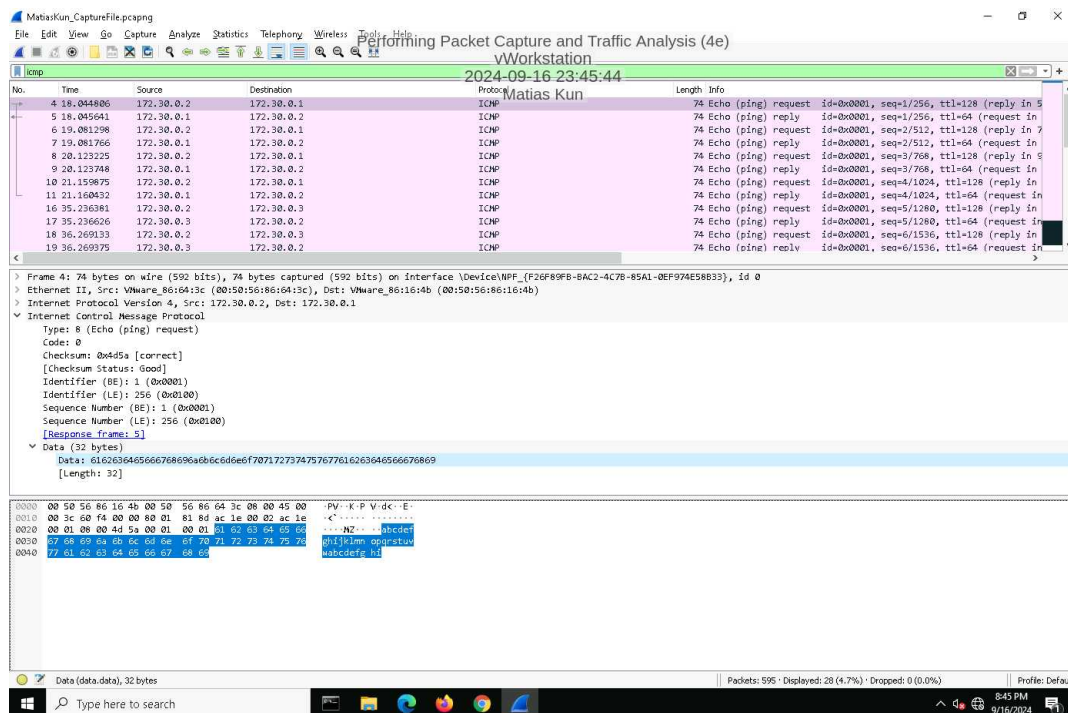
Part 1: Configure Wireshark and Generate Network Traffic

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

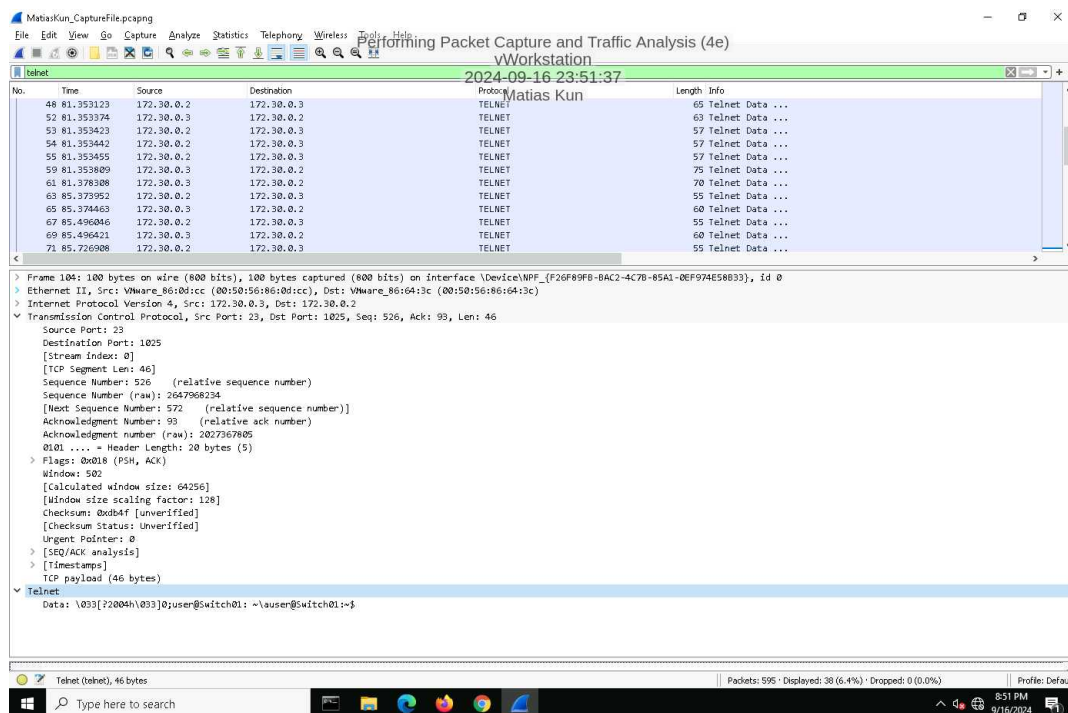


Part 2: Analyze Traffic Using Wireshark

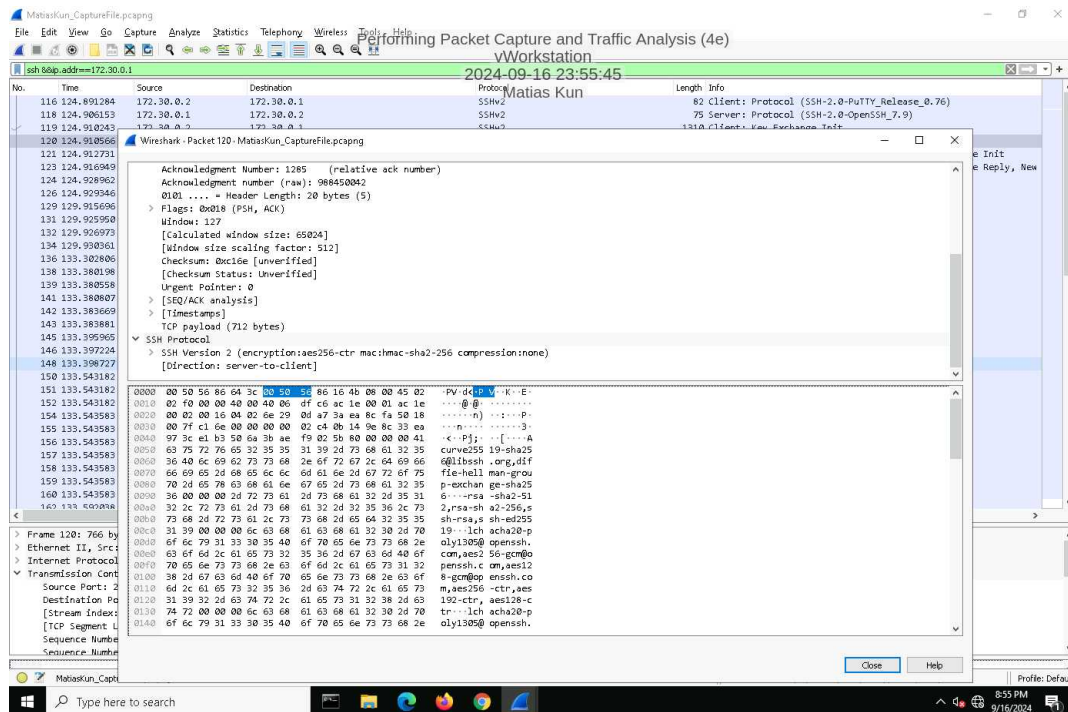
7. Make a screen capture showing the ICMP payload.



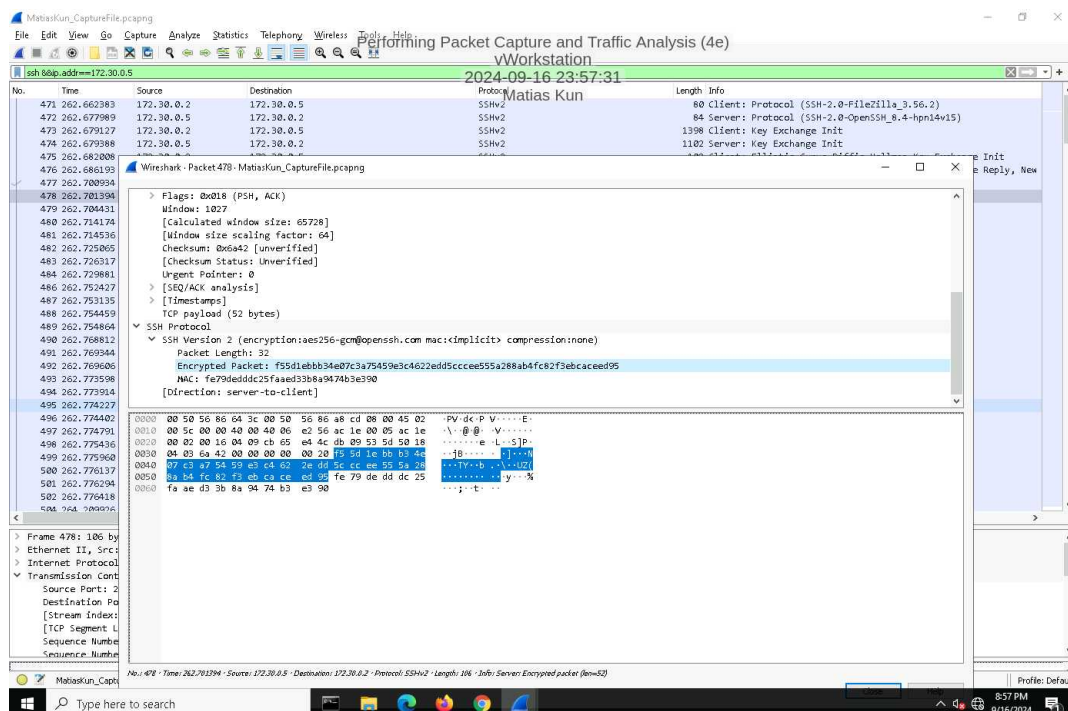
15. Make a screen capture showing the **Last Login** information in the Packet Details pane.



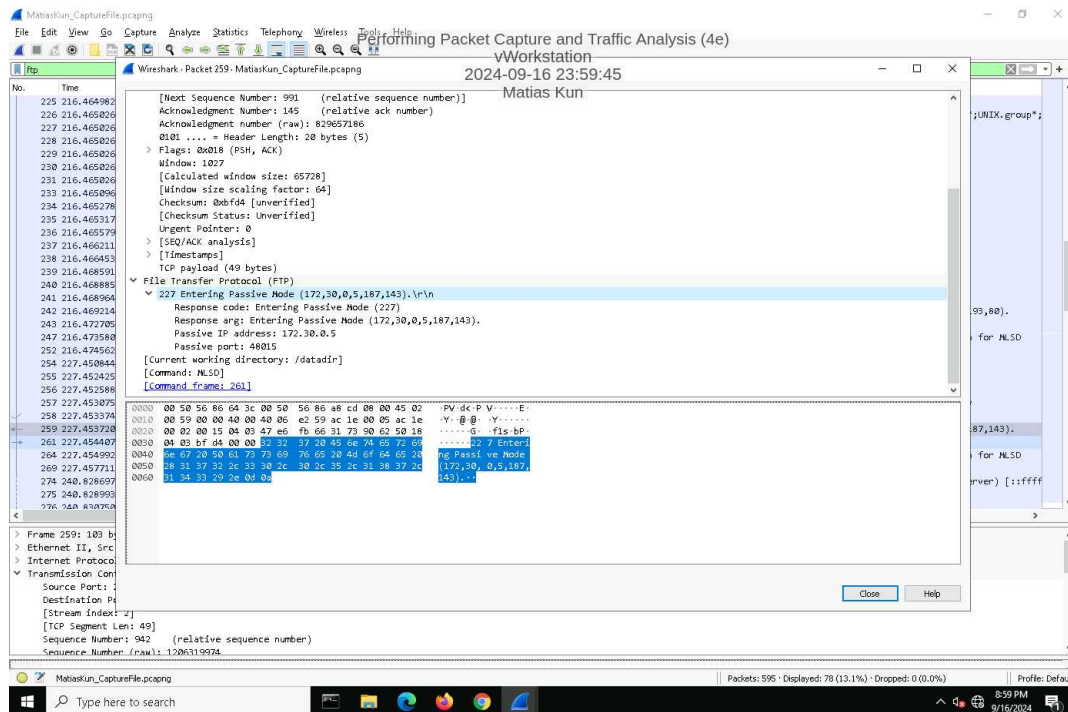
21. Make a screen capture showing the SSHv2 encryption and mac selections for the SSH connection.



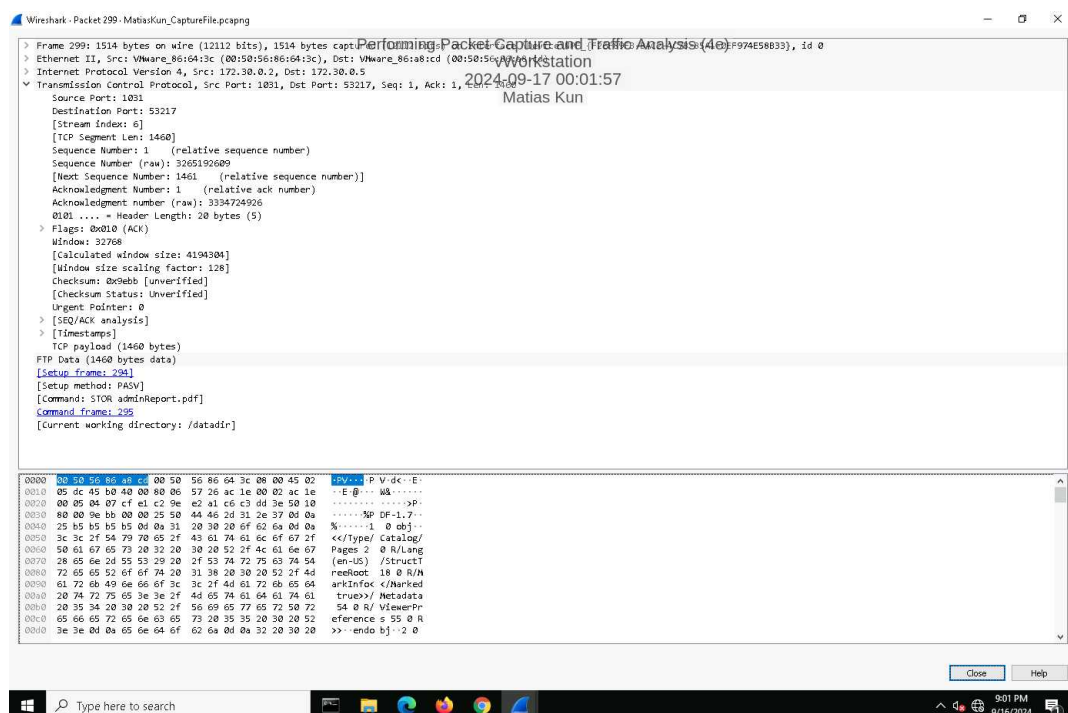
26. Make a screen capture showing the highlighted (encrypted) data in the Packet Bytes pane.



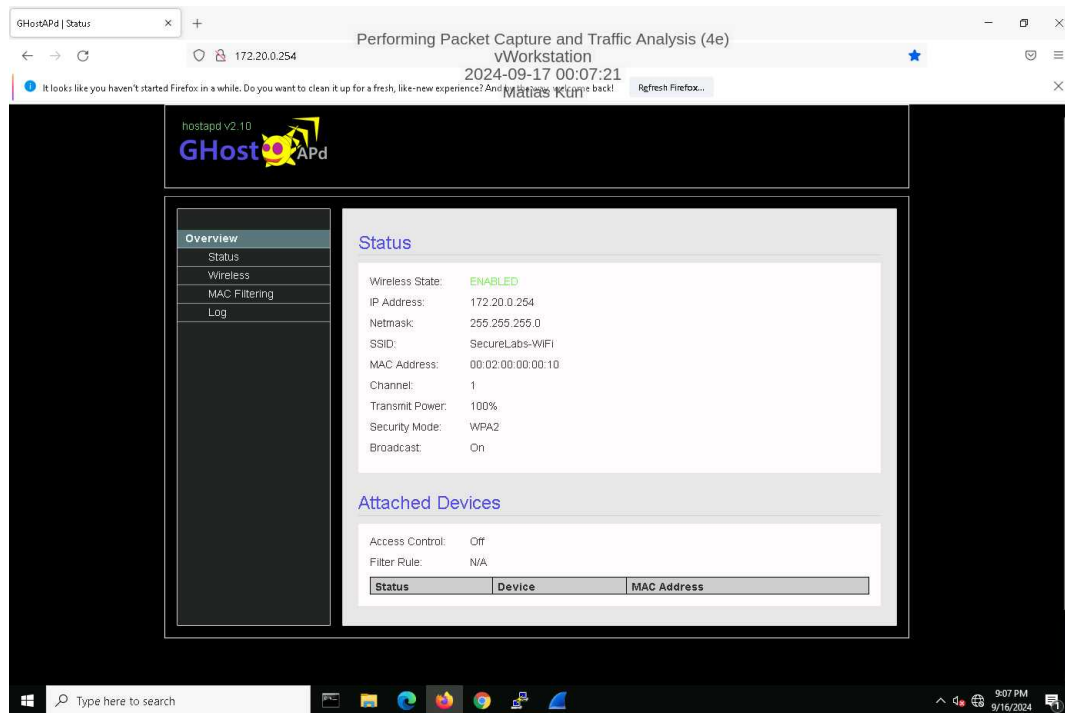
31. Make a screen capture showing the passive port specified by the FTP server in the Packet Details pane.



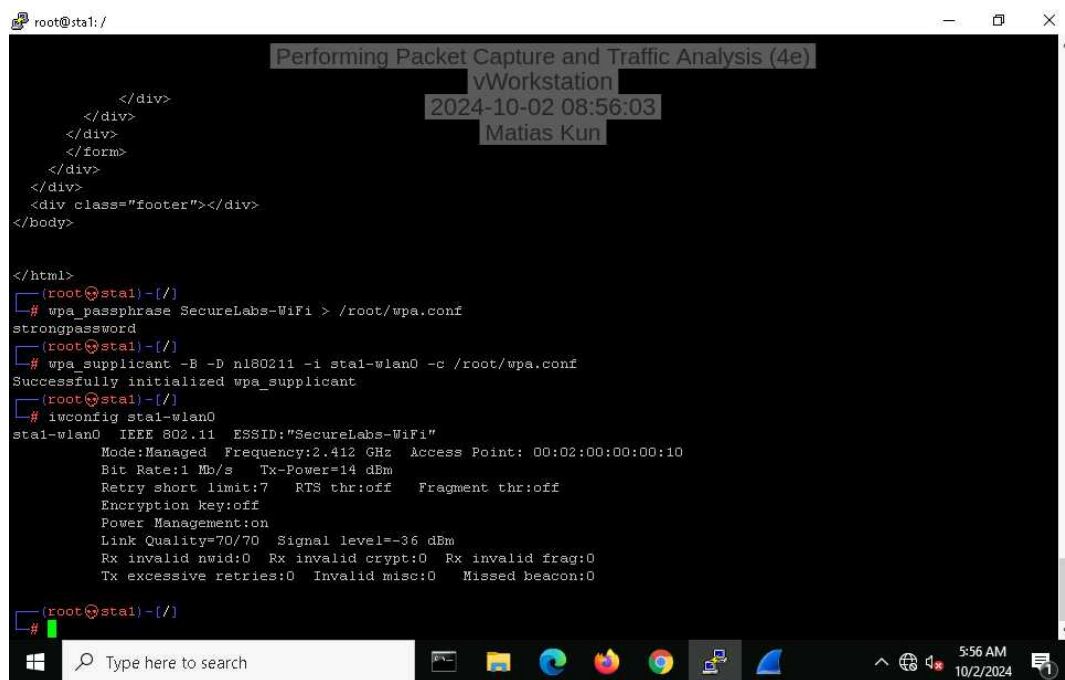
35. Make a screen capture showing the Destination Port field value in the Packet Details pane.



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



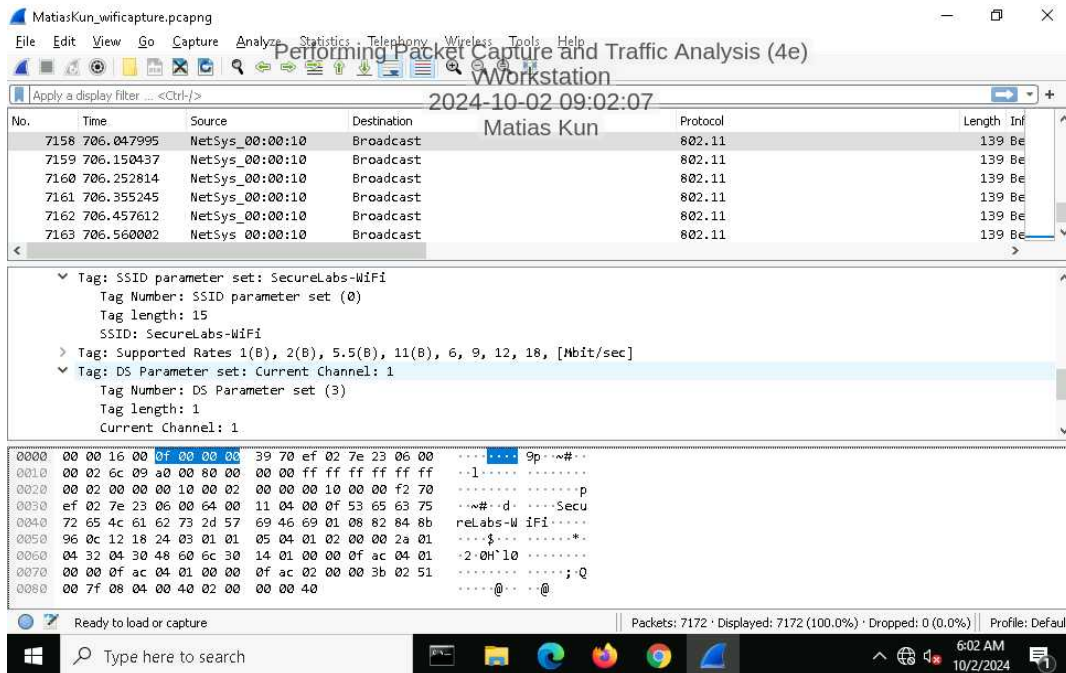
24. Make a screen capture showing the **connection to the now-encrypted WLAN**.



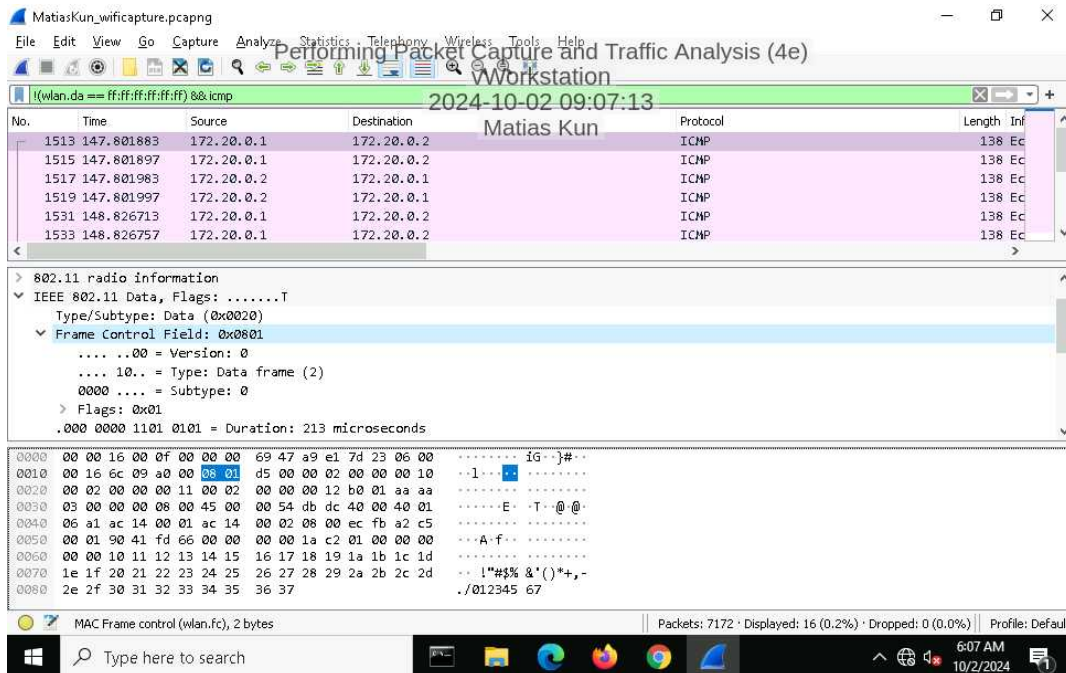
While iwconfig does not display WPA2 encryption status, wpa_supplicant was successfully initialized and is actively handling the encryption in the background.

Part 2: Analyze Traffic Using Wireshark

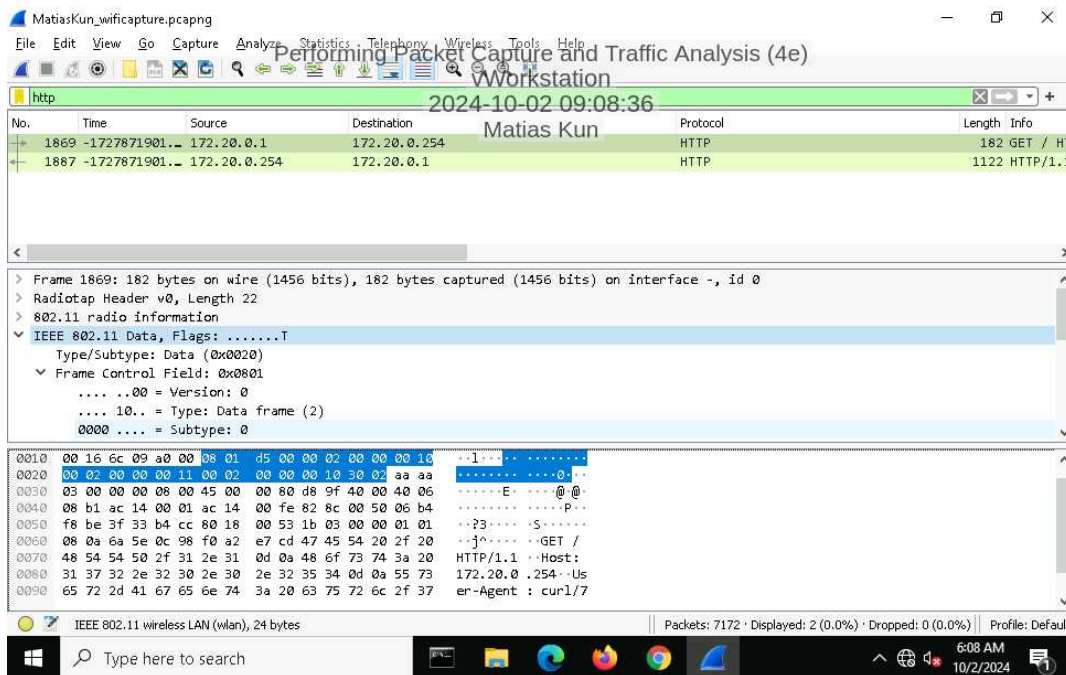
5. Make a screen capture showing the SSID and channel in the Packet Details pane.



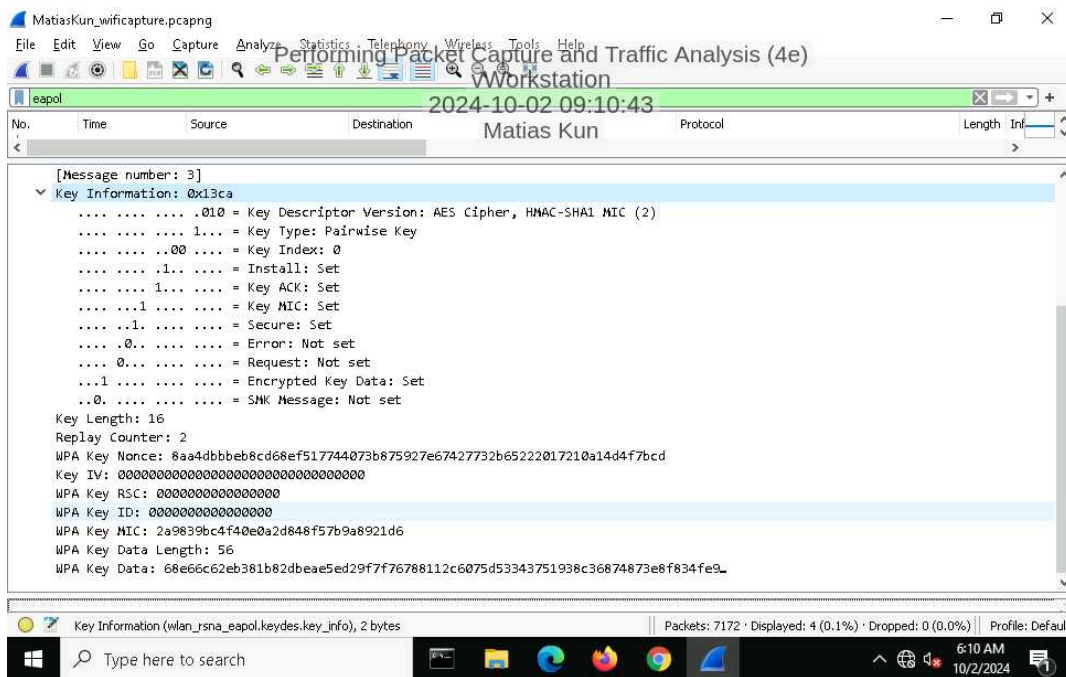
11. Make a screen capture showing the Packet Details for the ICMP packet.



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

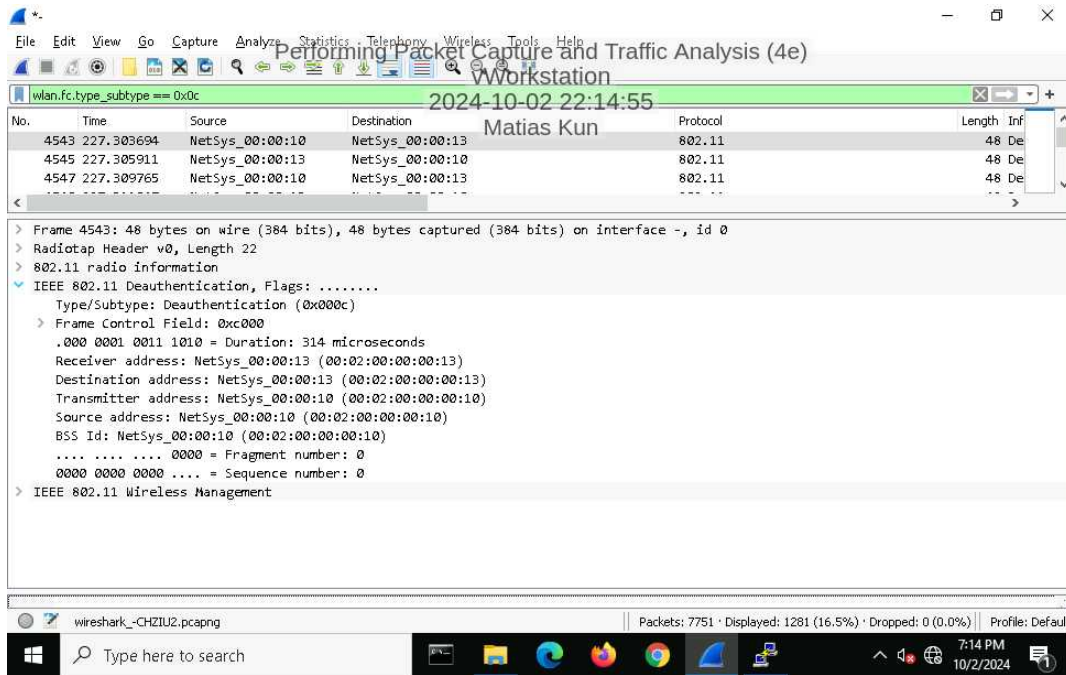
Make a screen capture showing the `aireplay-ng --deauth` output.

Part 2: Analyze Malicious Network Traffic

Performing Packet Capture and Traffic Analysis (4e)

Fundamentals of Information Systems Security, Fourth Edition - Lab 03

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.

