Performing Packet Capture and Traffic Analysis

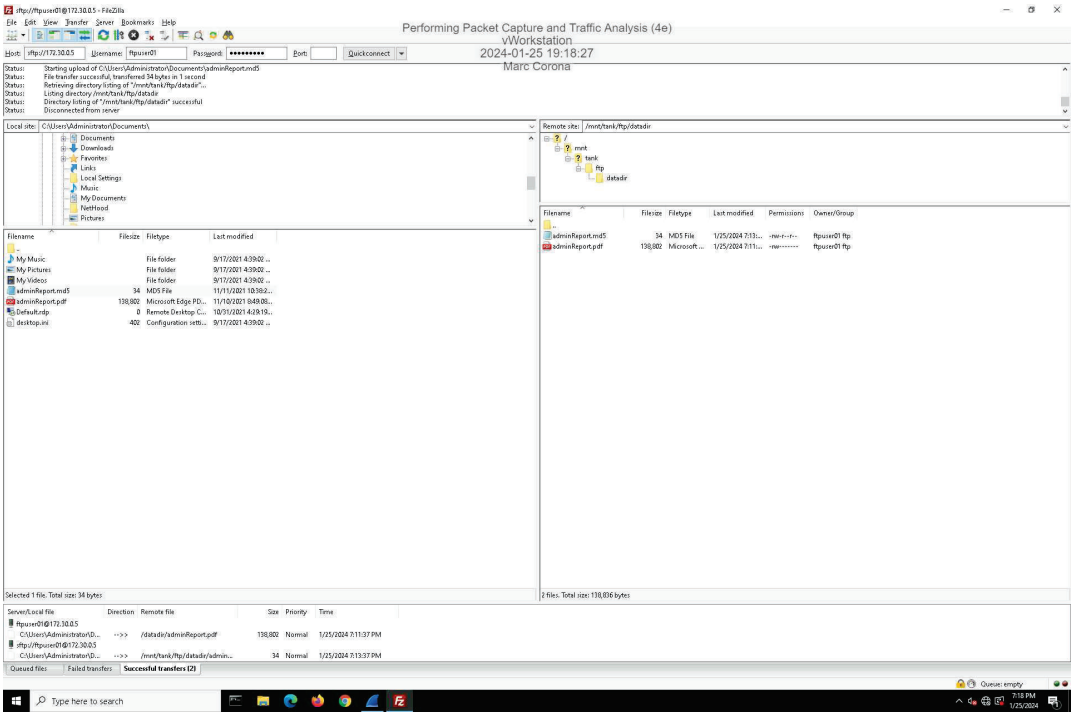
Student:

Marc Corona Mireles

Section 1: Hands-On Demonstration

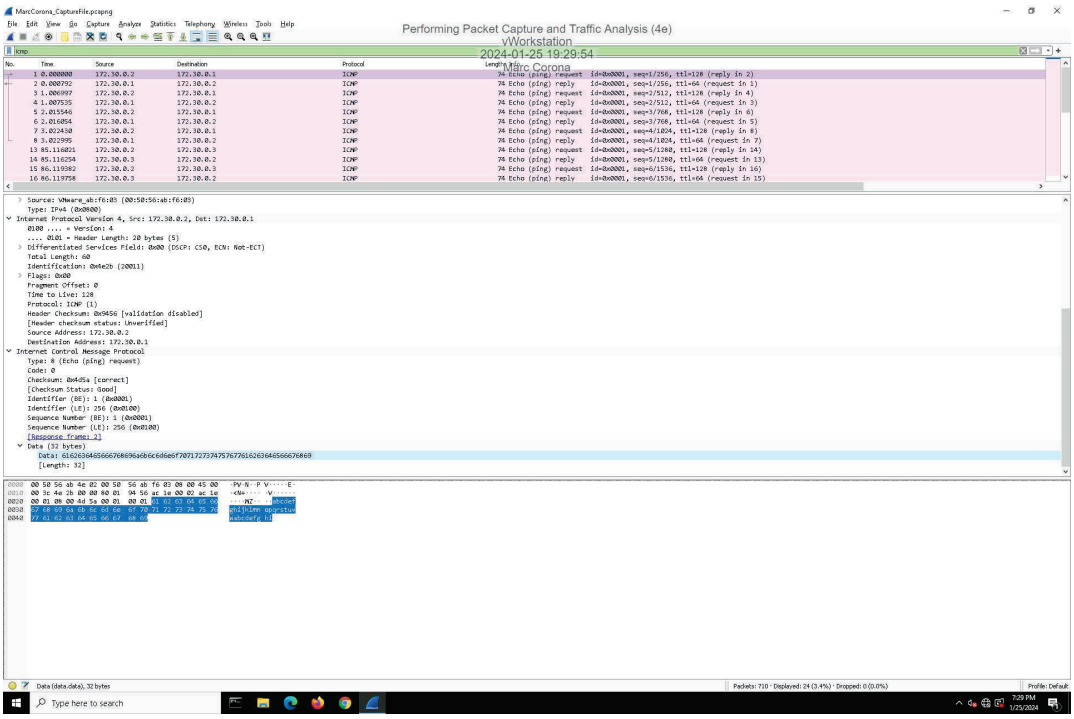
Part 1: Configure Wireshark and Generate Network Traffic

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

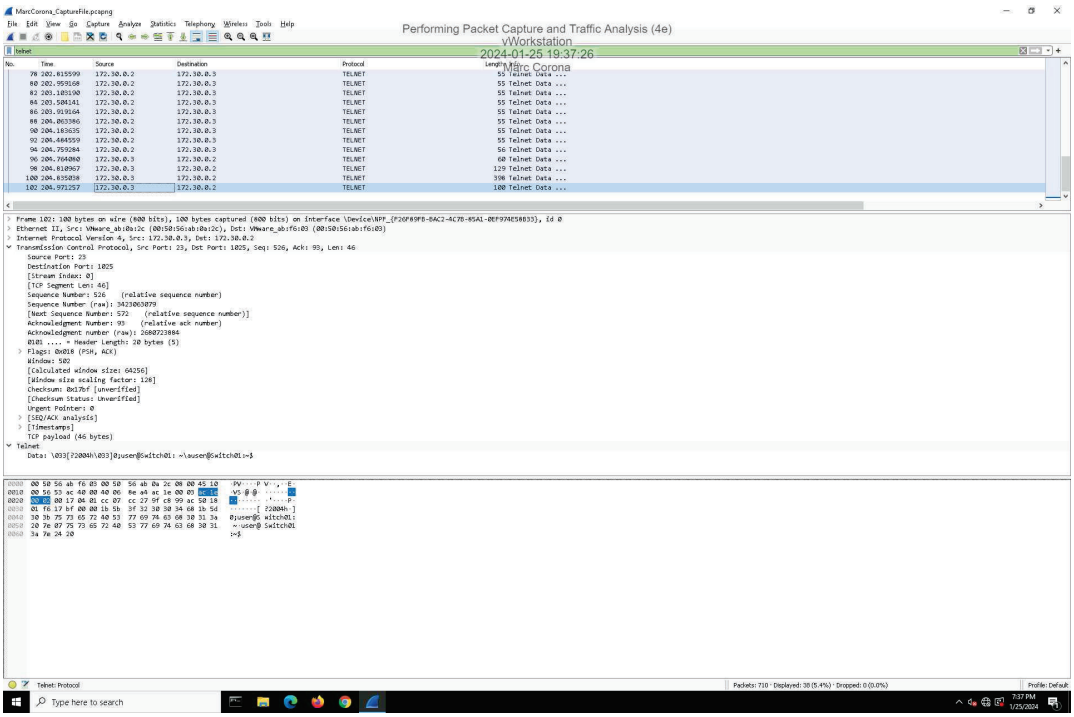


Part 2: Analyze Traffic Using Wireshark

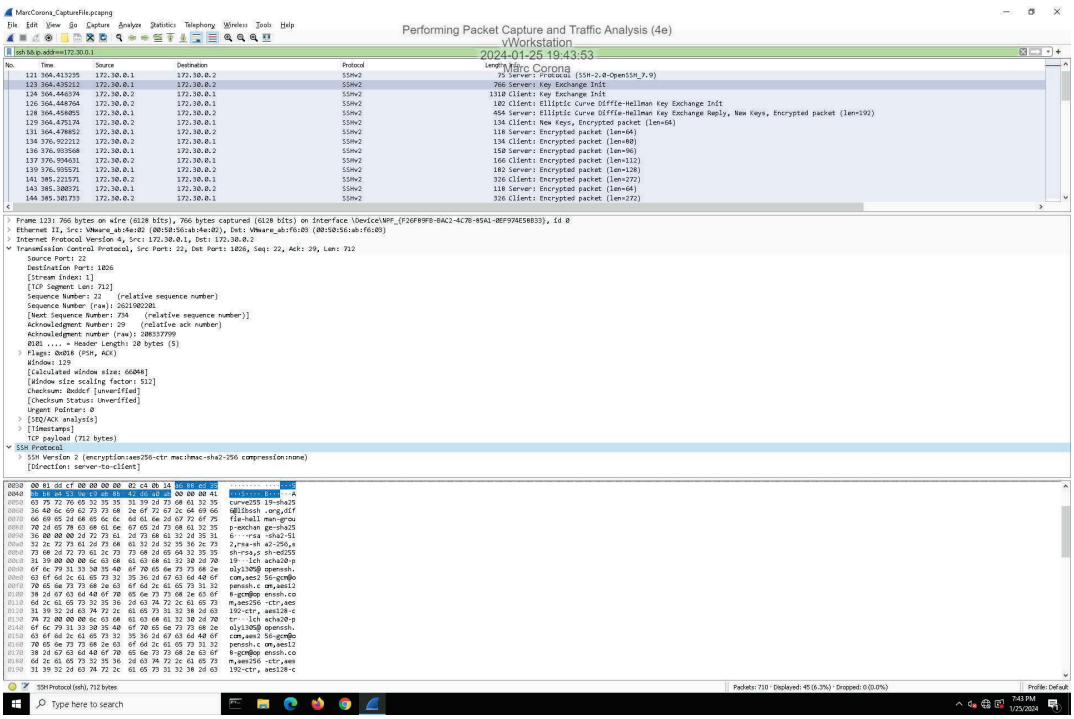
7. **Make a screen capture** showing the **ICMP payload**.



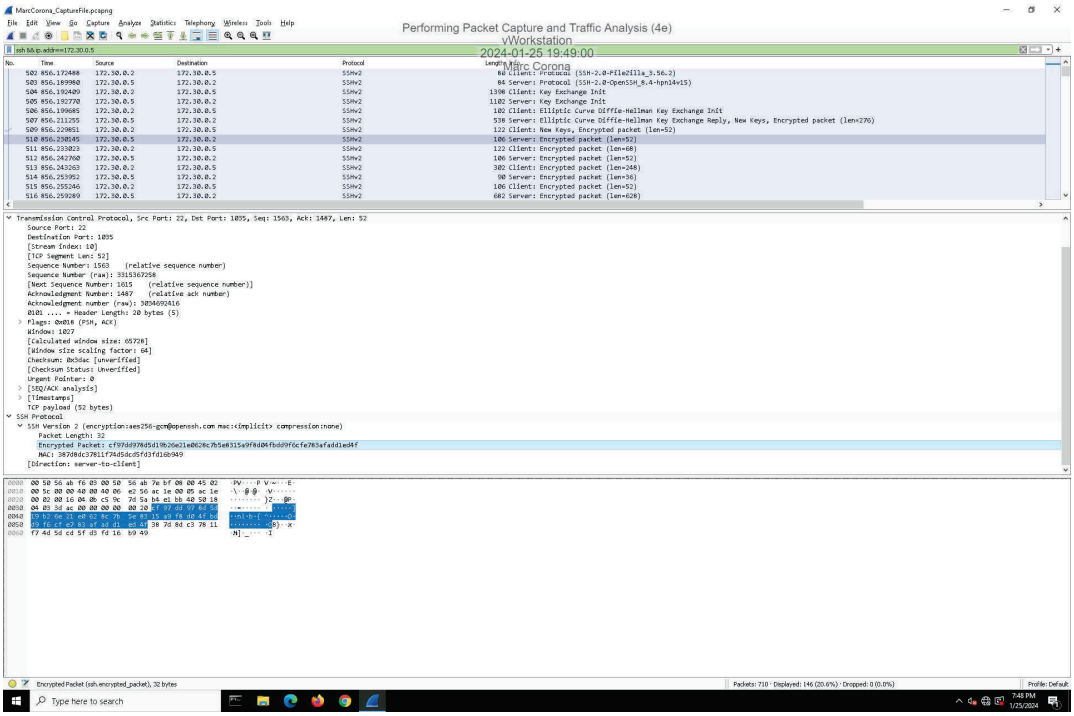
15. **Make a screen capture** showing the ***Last Login:*** **information in the Packet Details pane**.



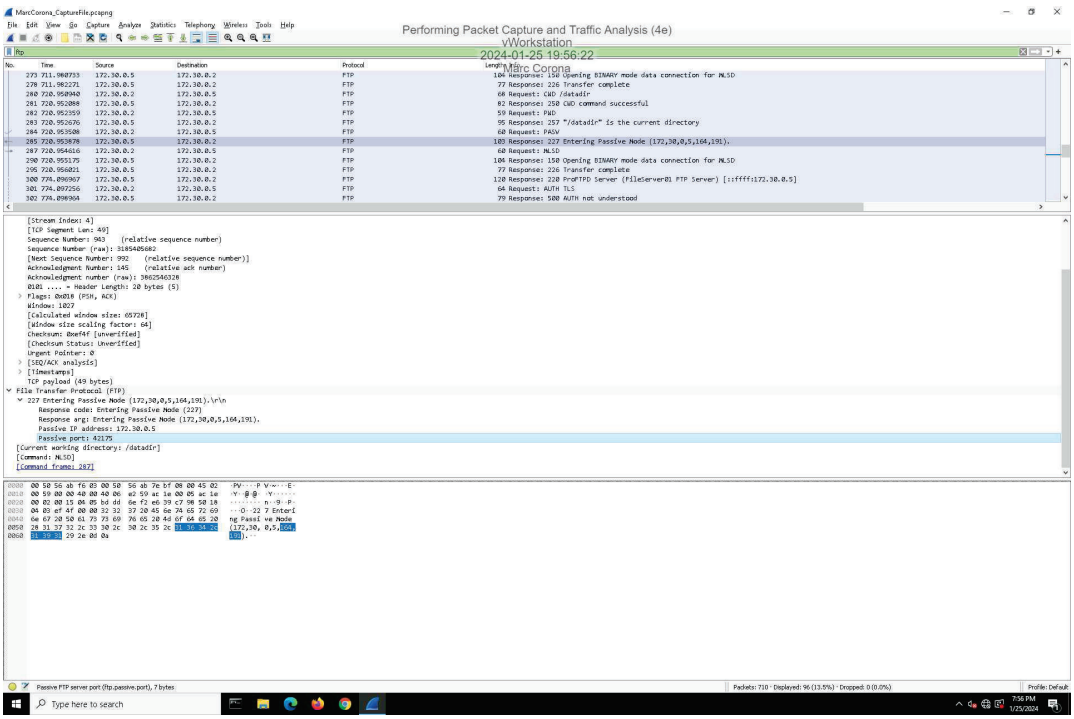
21. **Make a screen capture** showing the **SSHv2 encryption and mac selections for the SSH connection**.



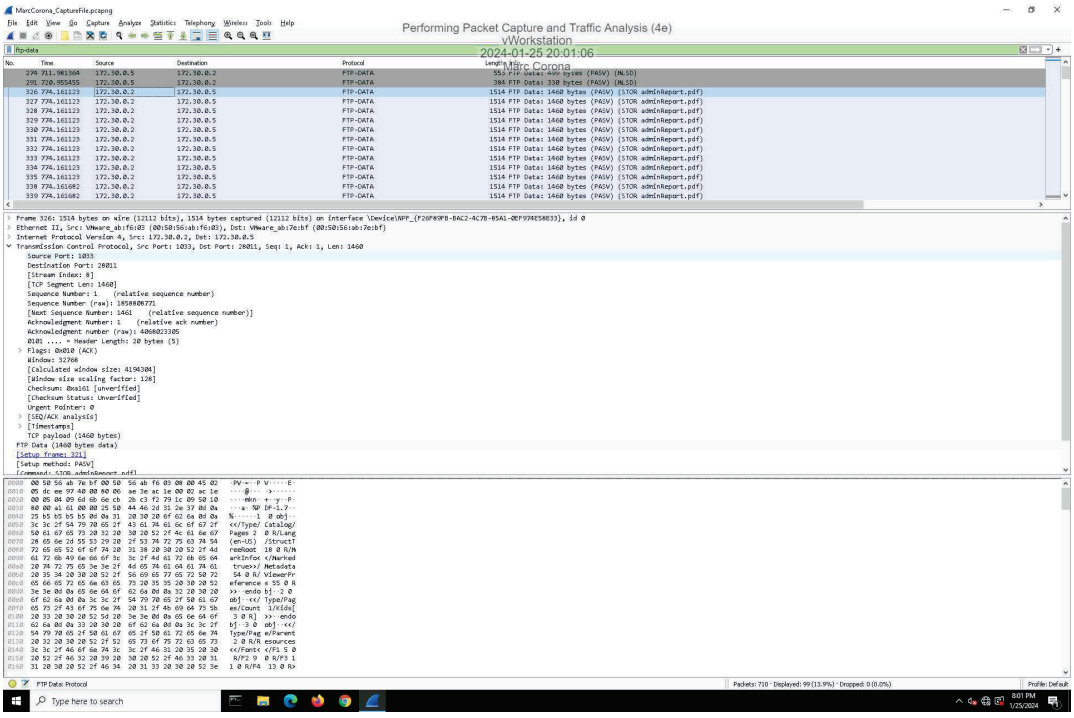
26. **Make a screen capture** showing the **highlighted (encrypted) data in the Packet Bytes pane**.



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



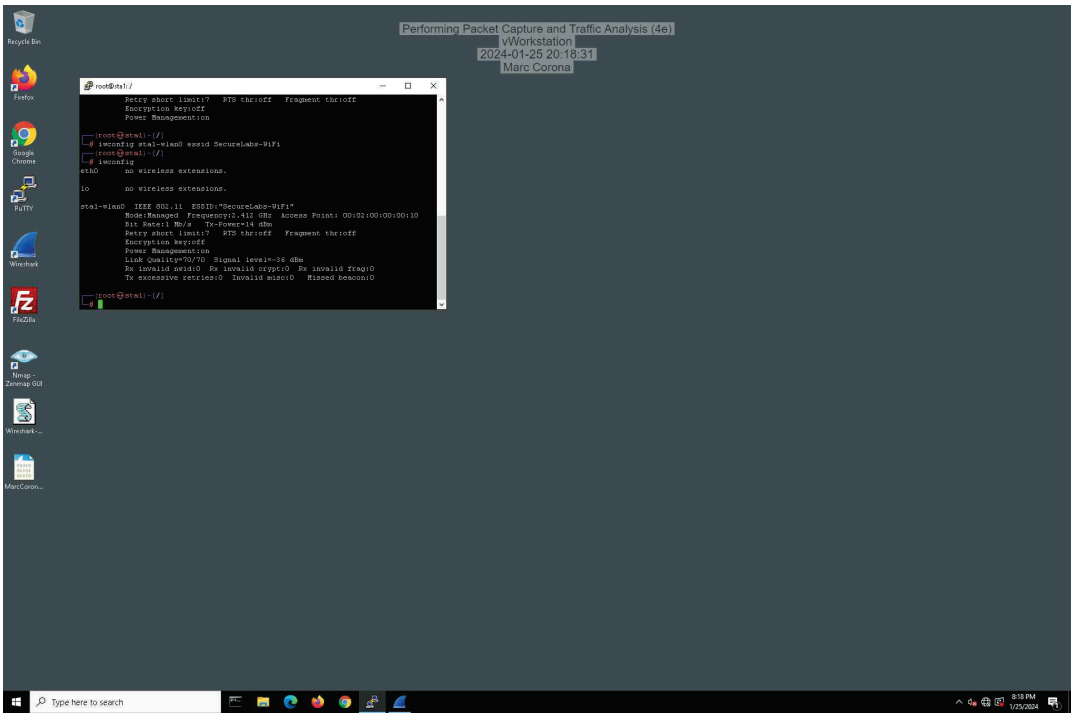
35. **Make a screen capture** showing the **Destination Port field value in the Packet Details pane**.



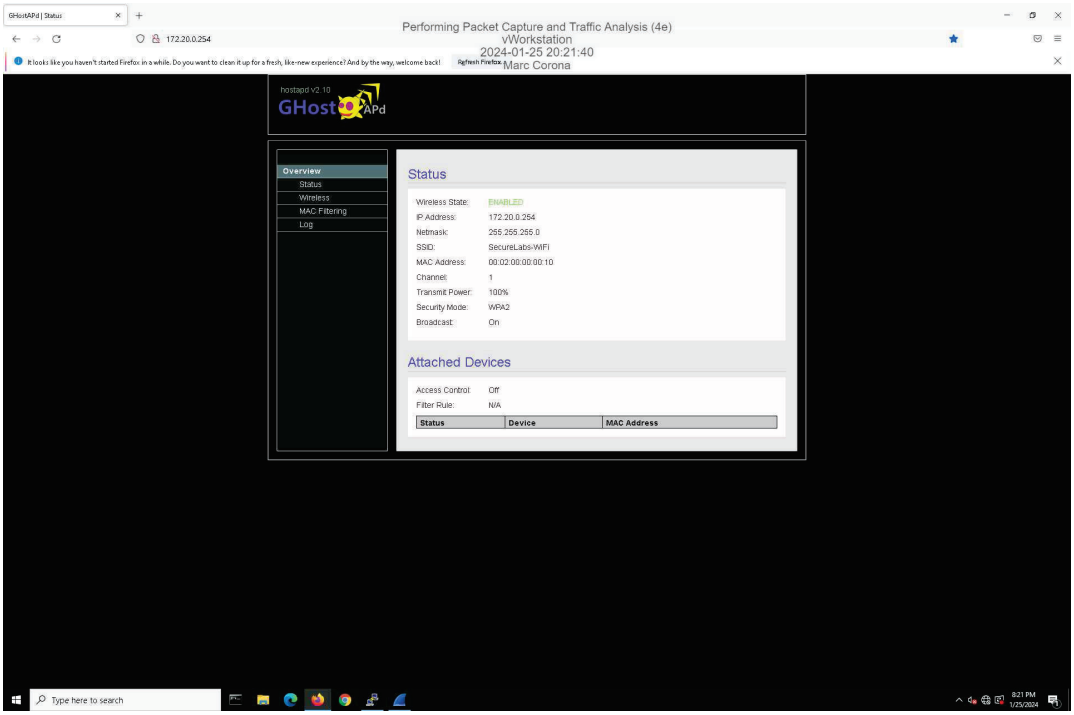
Section 2: Applied Learning

Part 1: Configure Wireshark and Generate Network Traffic

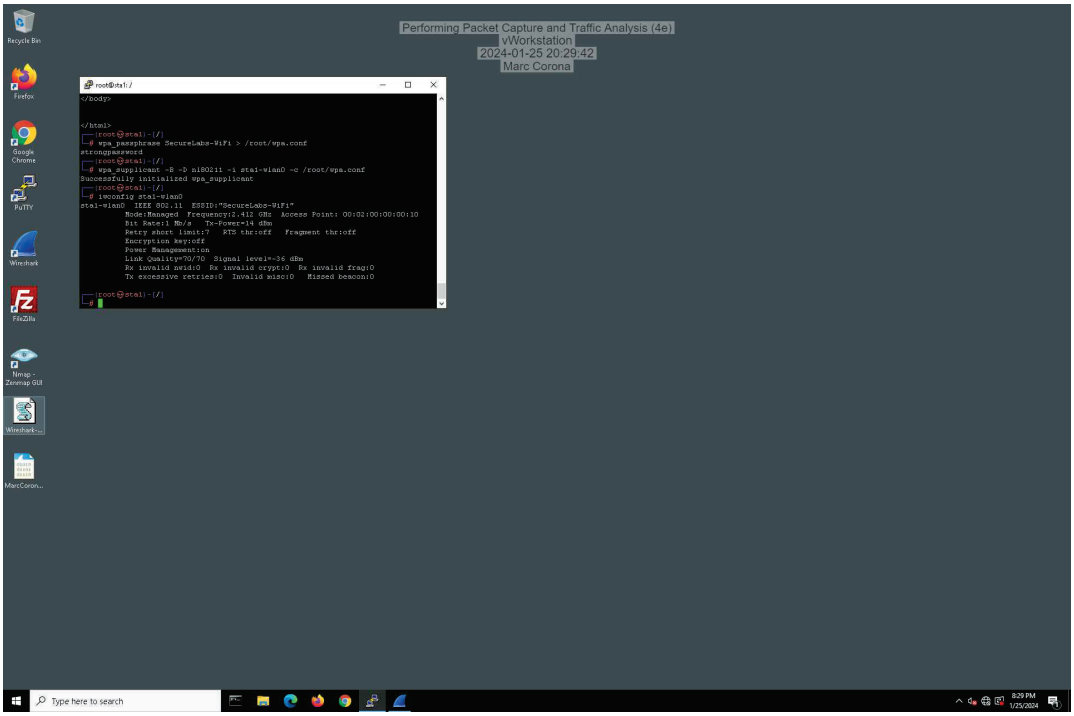
11. **Make screen capture** showing **sta1-wlan0 connected to the SecureLabs-WiFi network**.



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

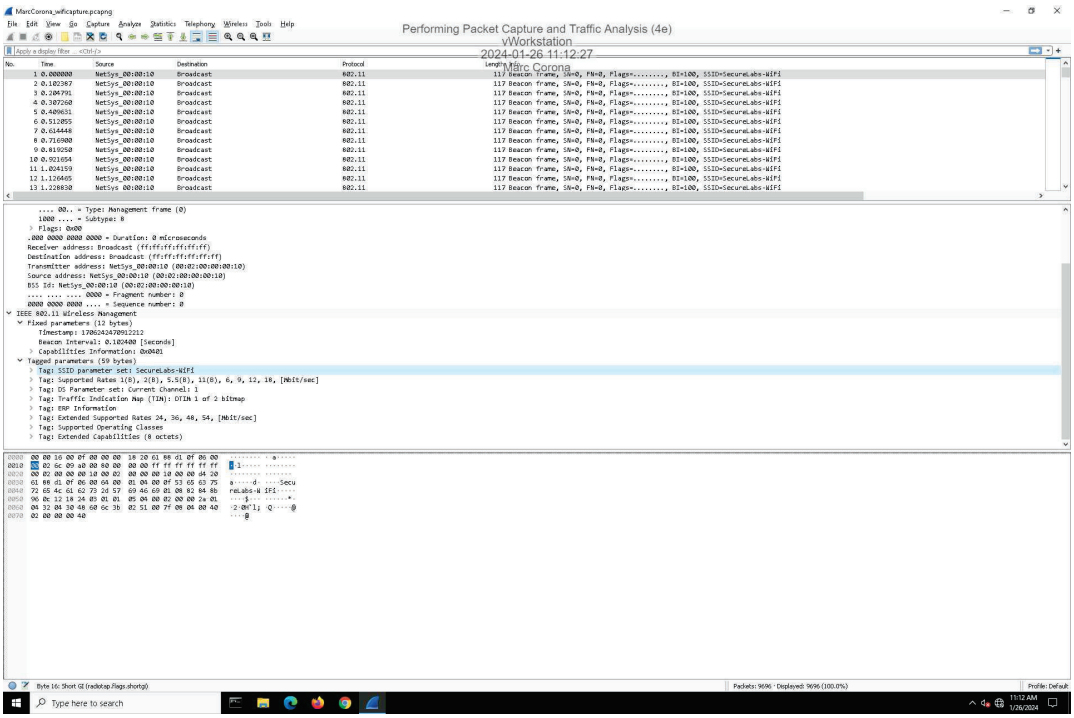


24. **Make a screen capture** showing the **connection to the now-encrypted WLAN**.

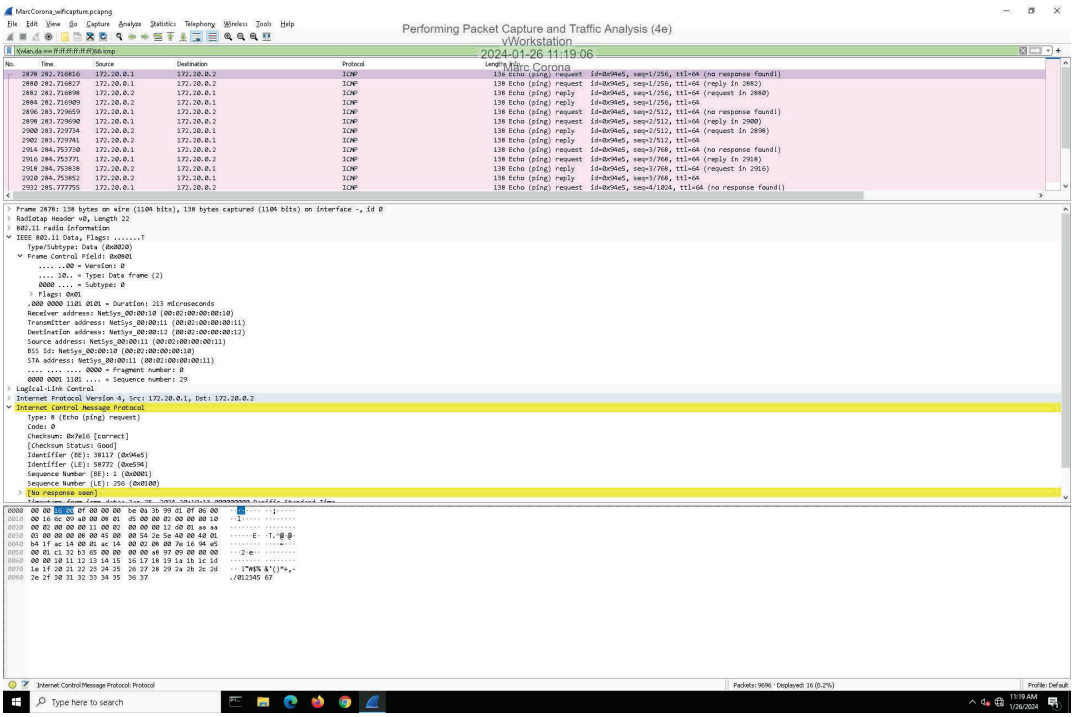


Part 2: Analyze Traffic Using Wireshark

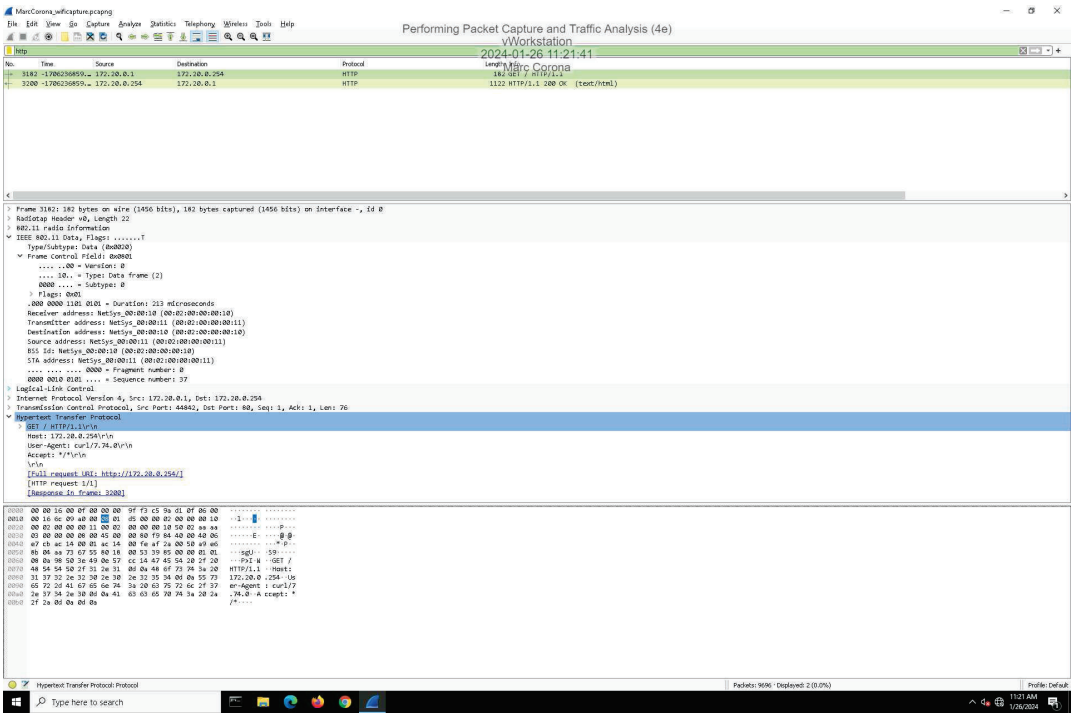
5. **Make a screen capture** showing the **SSID and channel in the Packet Details pane**.



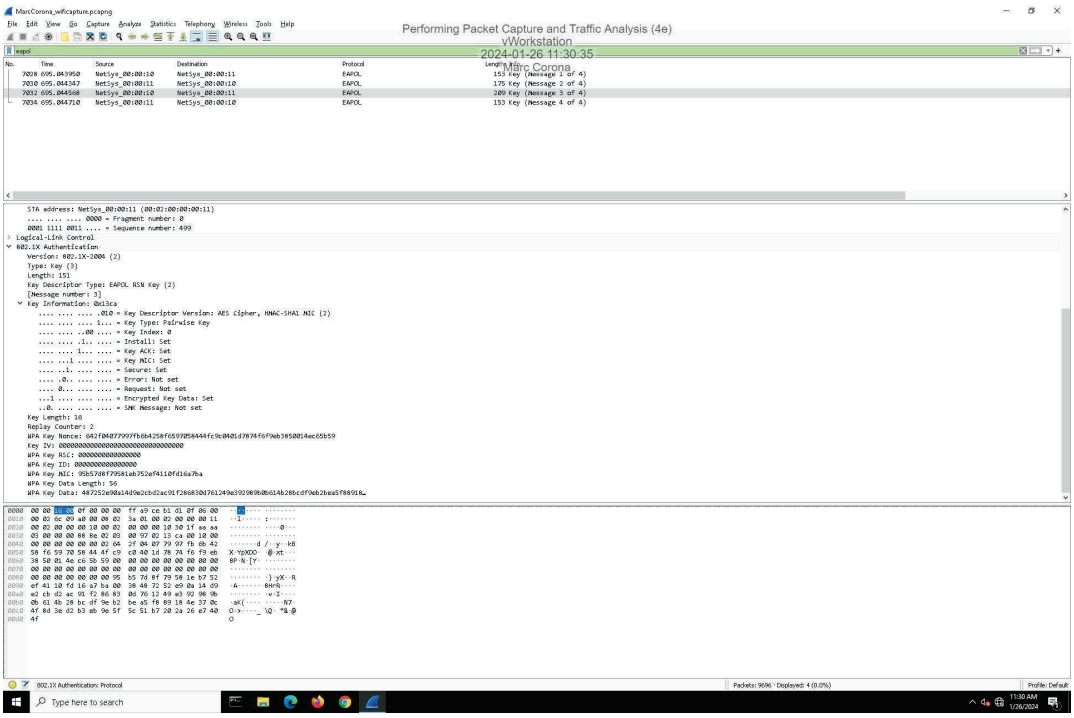
11. **Make a screen capture** showing the **Packet Details for the ICMP packet**.



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



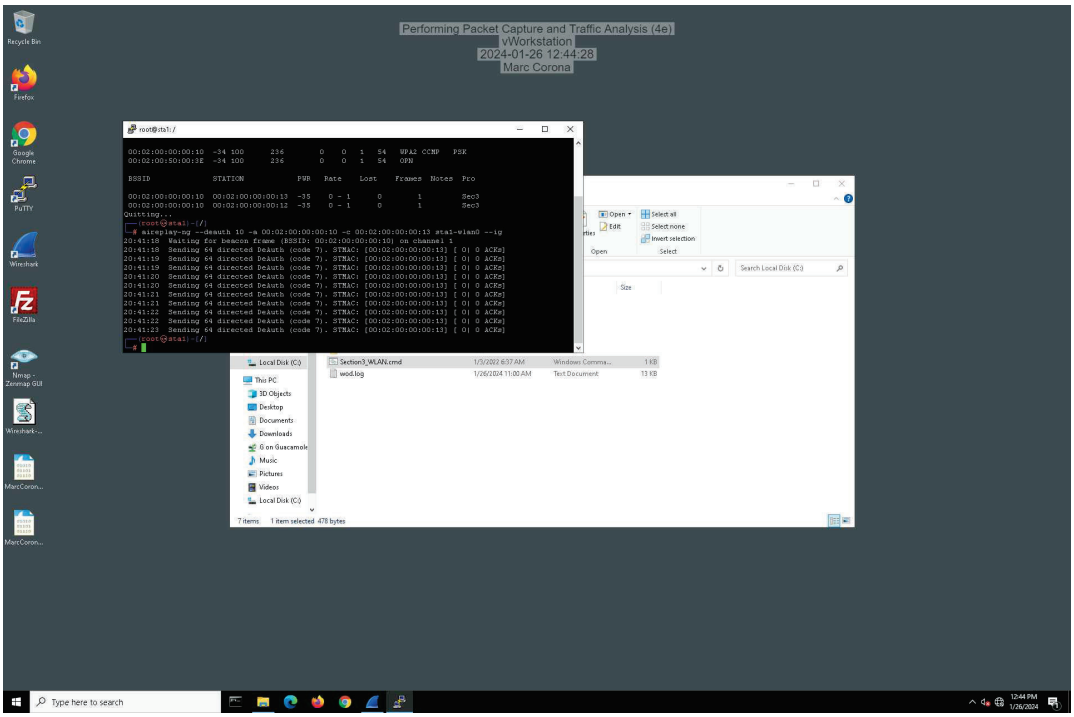
18. **Make a screen capture** showing the **key information for Message 3 in** the four**-way handshake**.



Section 3: Challenge and Analysis

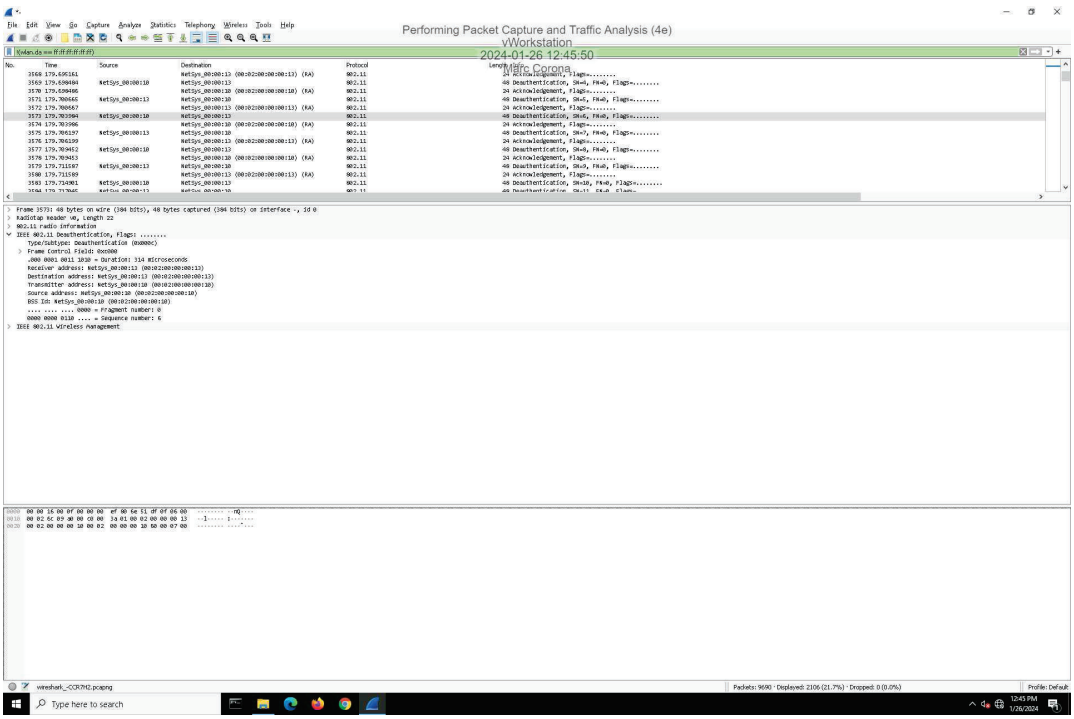
Part 1: Generate Malicious Network Traffic

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**.