Student:	Email:
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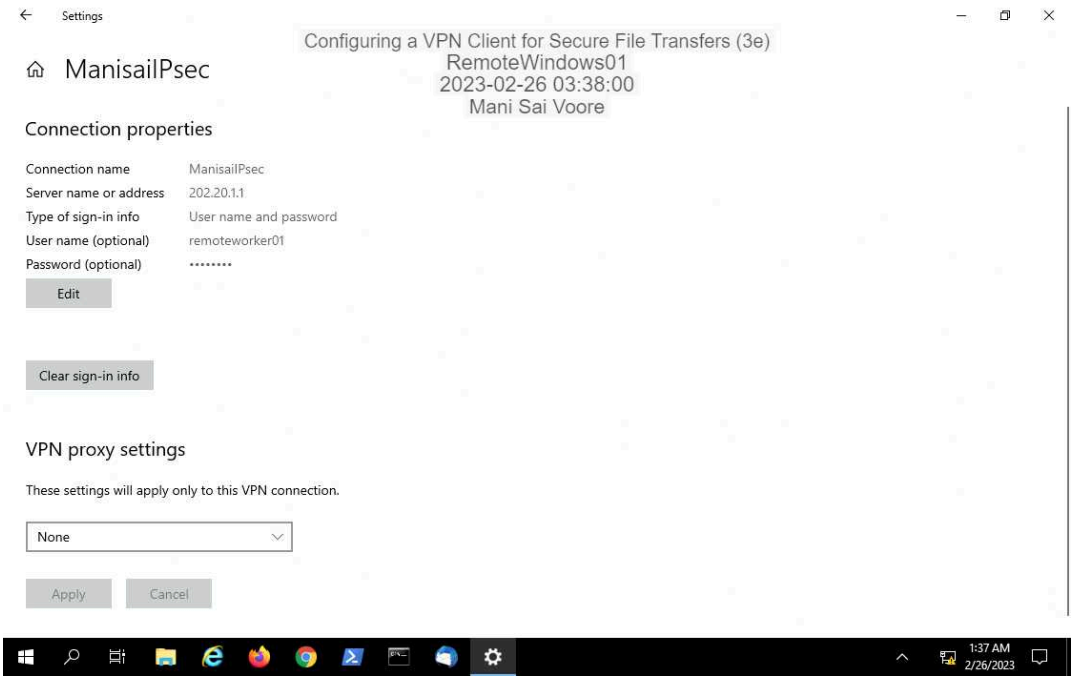
Time on Task:	Progress:
6 hours, 42 minutes	100%

Report Generated: Monday, February 27, 2023 at 1:34 AM

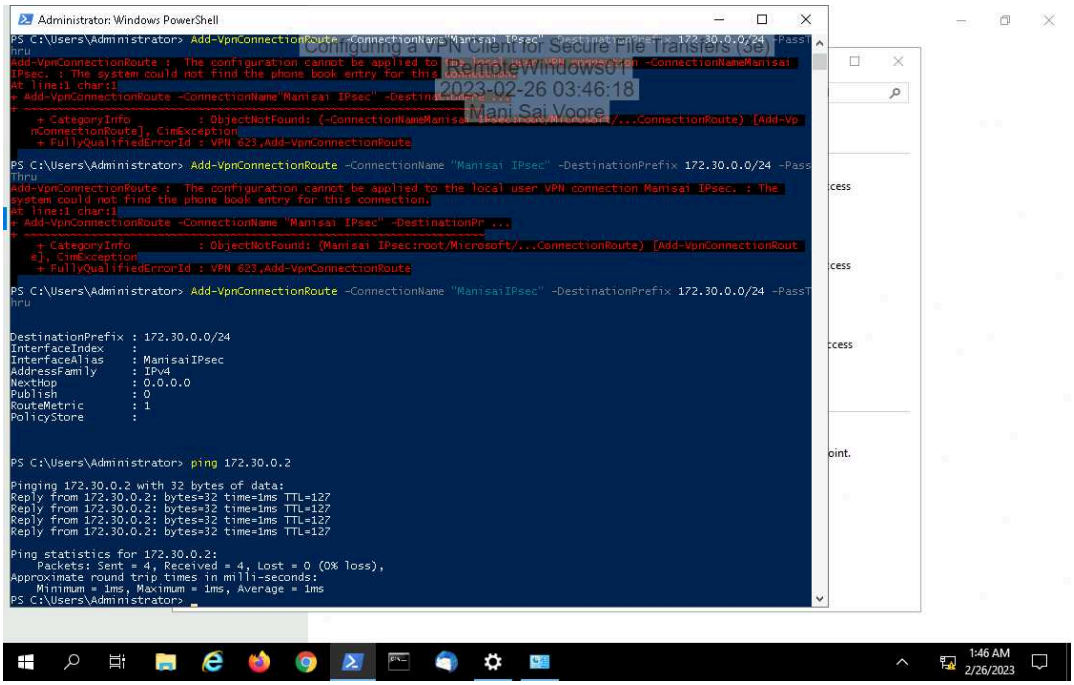
Section 1: Hands-On Demonstration

Part 1: Configure a Windows VPN Client

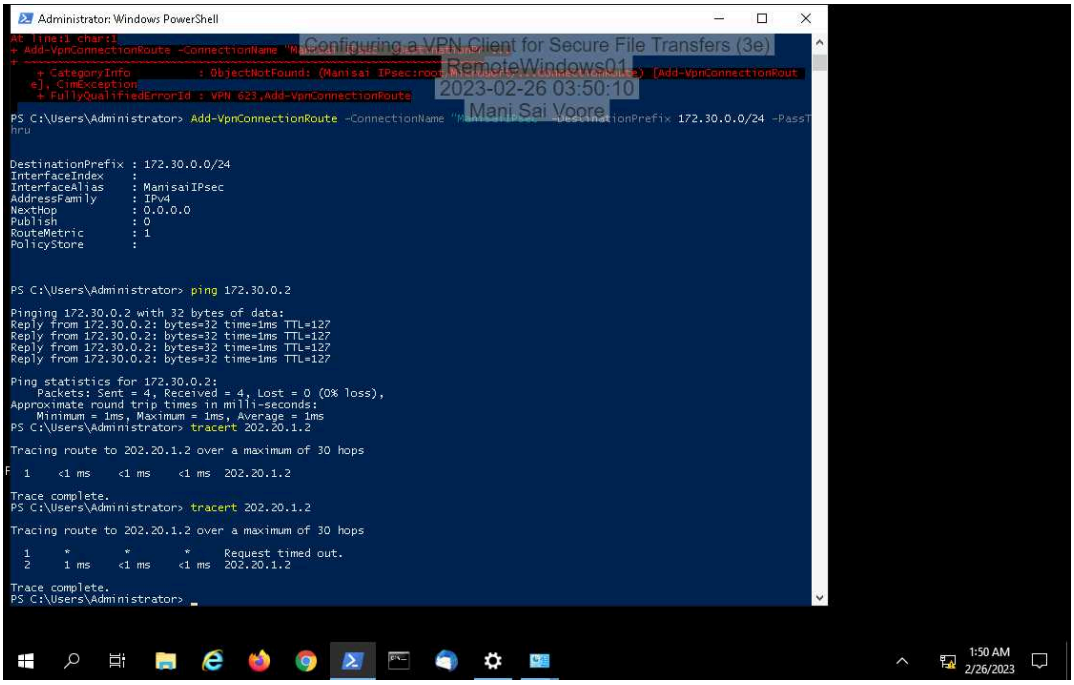
30. **Make a screen capture** showing the **VPN connection properties**.



54. **Make a screen capture** showing the **successful ping response**.

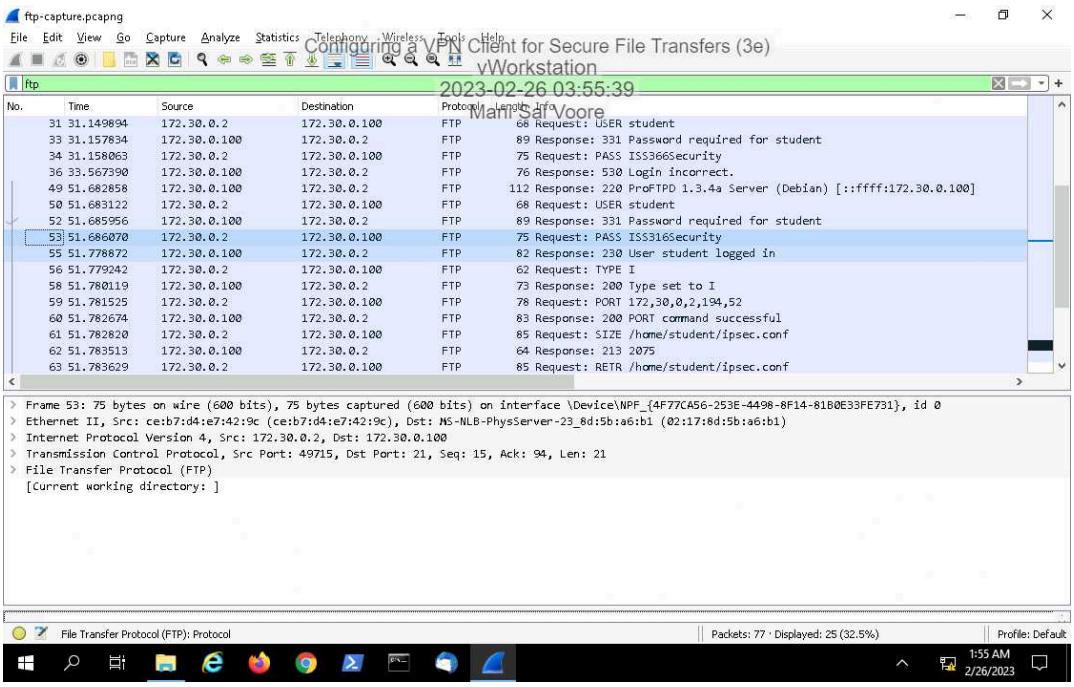


72. **Make a screen capture** showing your **new tracert results**.

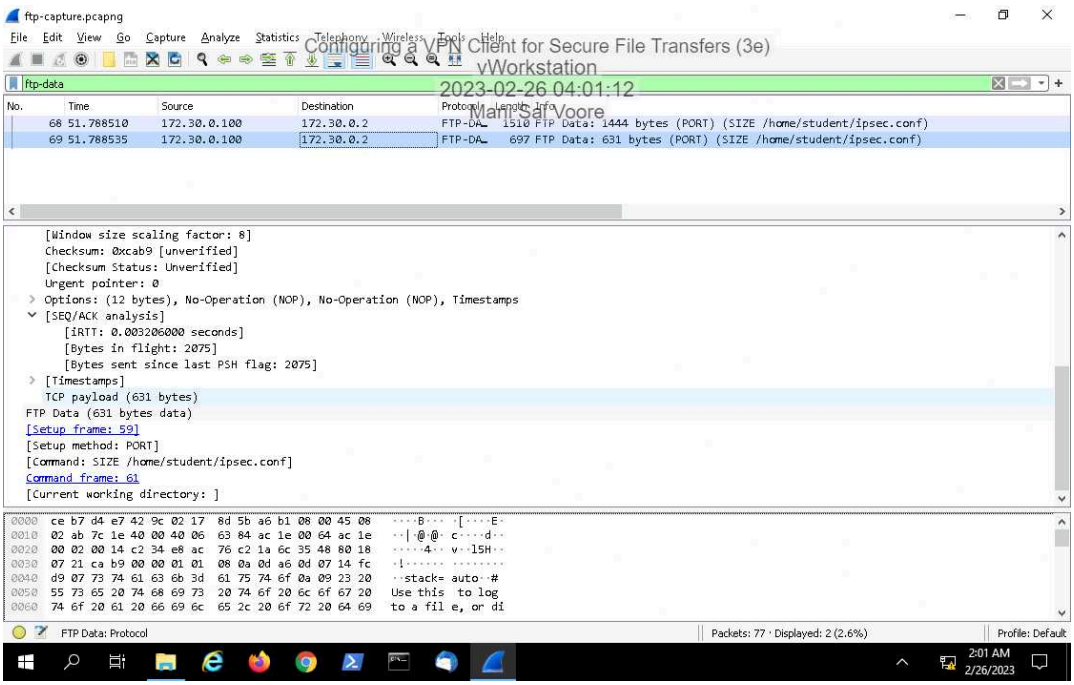


Part 2: Compare Secure and Non-Secure File Transfers in Wireshark

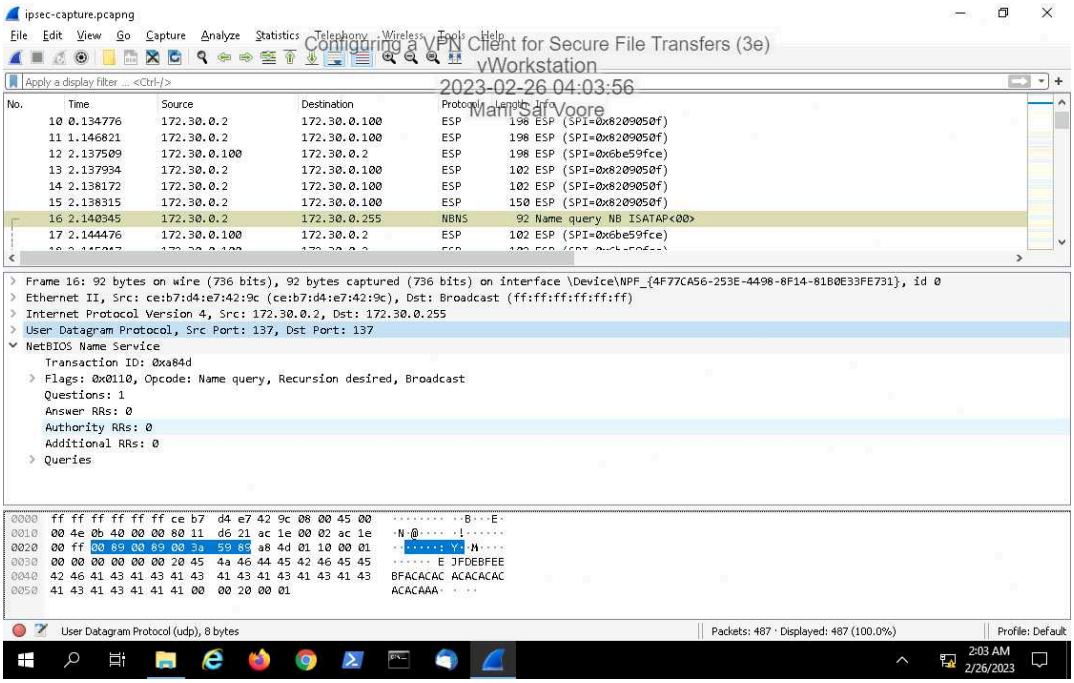
12. **Make a screen capture** showing the **packet that carries the correct password**.



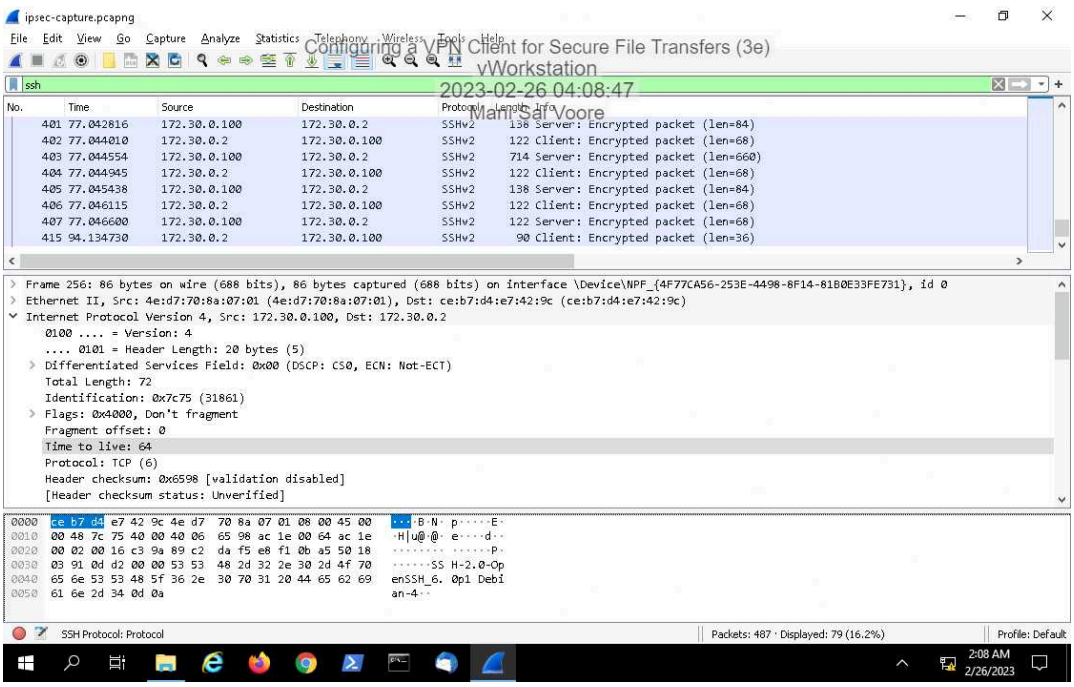
28. **Make a screen capture** showing the **Wireshark window and the packet bytes pane for Packet 69**.



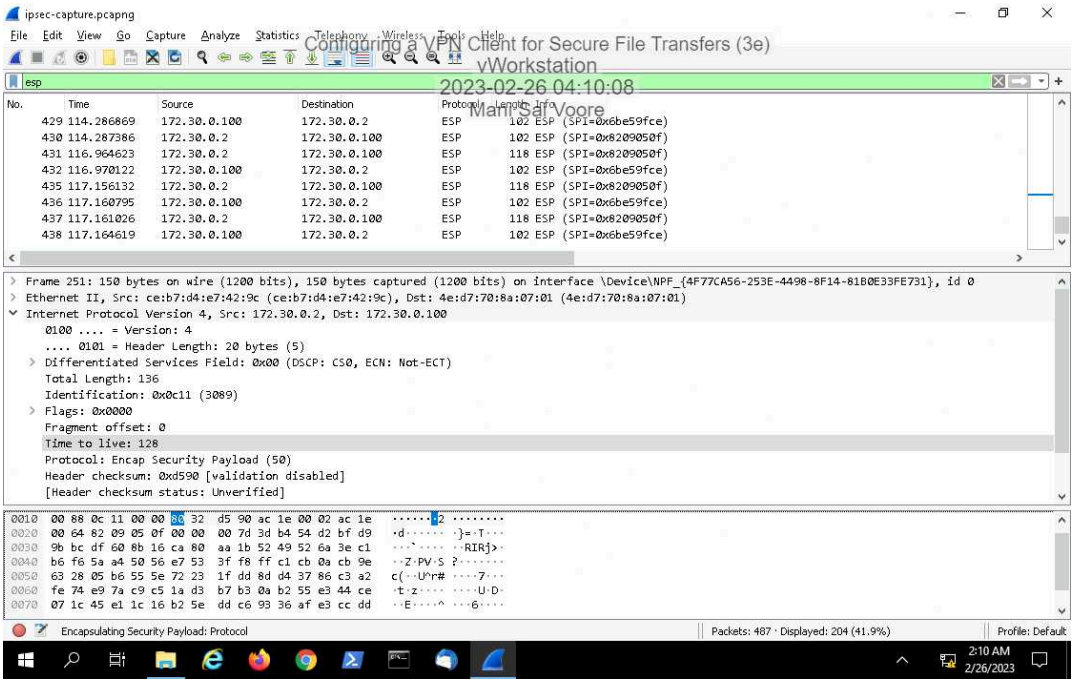
44. **Make a screen capture** showing the **packet details pane for packet 16**.



49. **Make a screen capture** showing the **last SSHv2 packet in the SSH file transfer**.



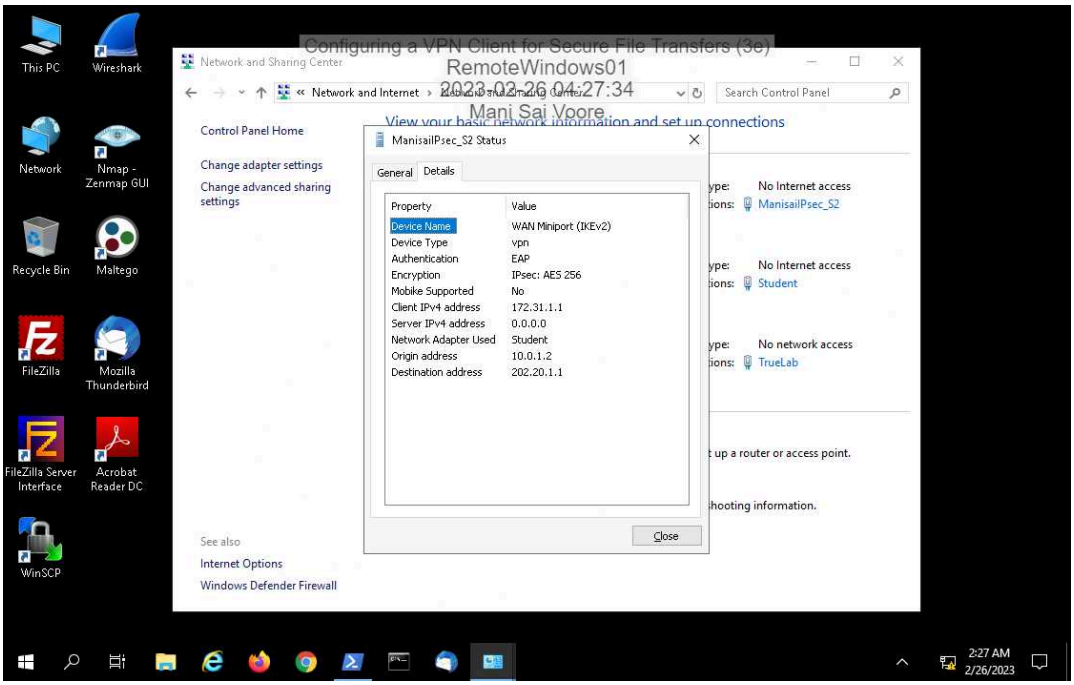
51. **Make a screen capture** showing the **last packets in the ESP exchange**.



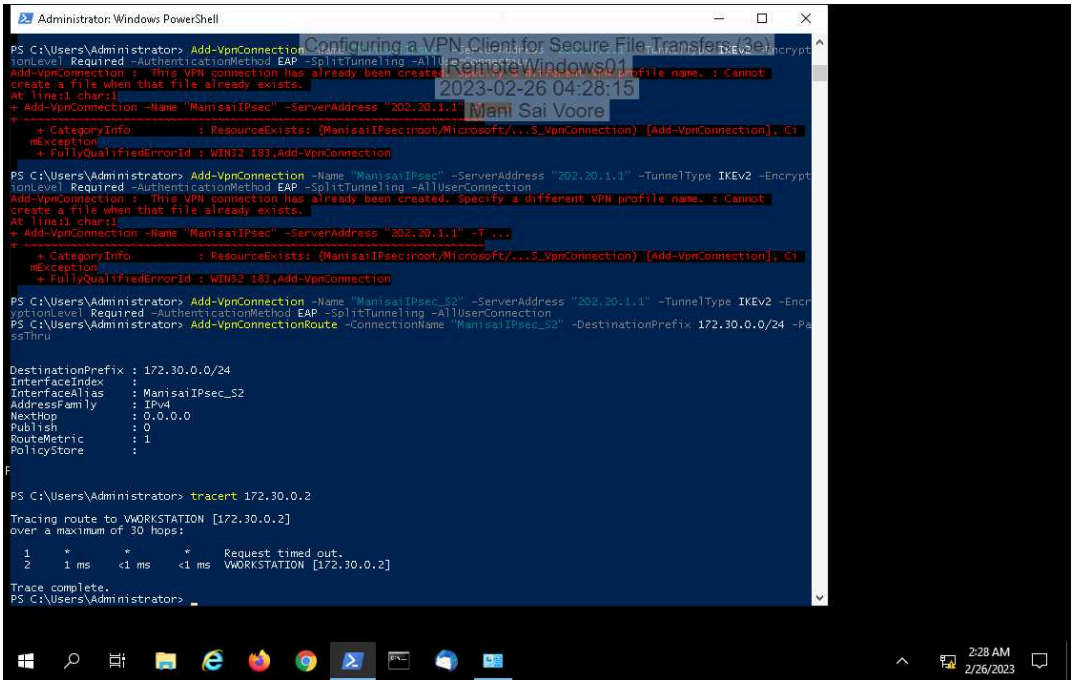
Section 2: Applied Learning

Part 1: Configure a Windows VPN Client

19. **Make a screen capture** showing the **IPsec VPN connection encrypted with AES 256**.

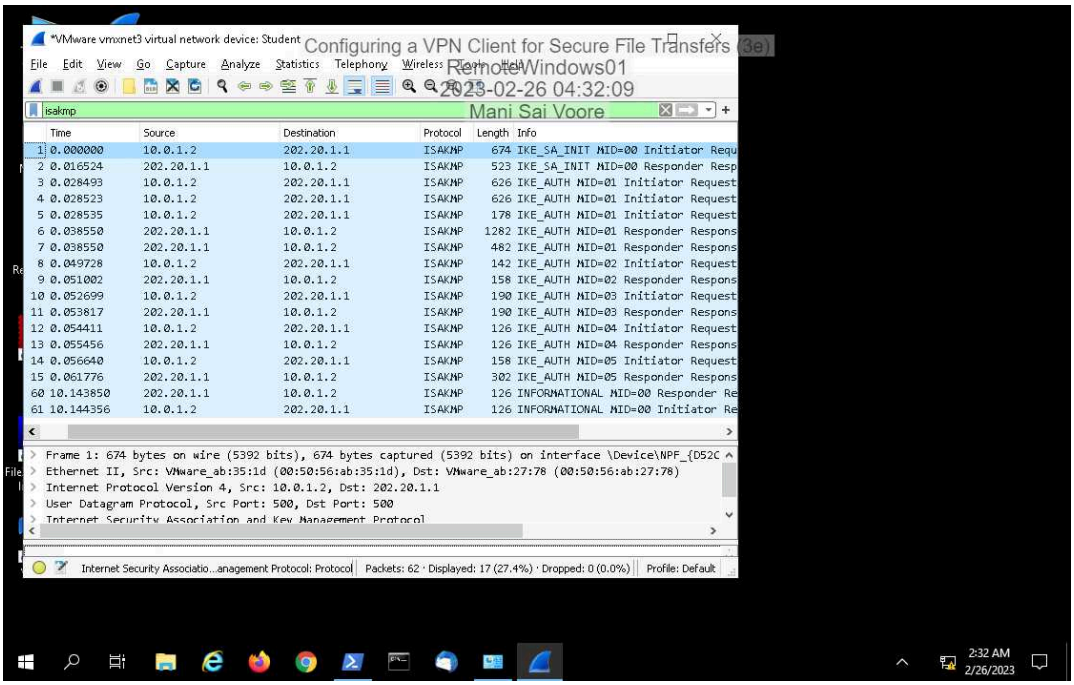


23. **Make a screen capture** showing your **successful tracert to the remote machine**.

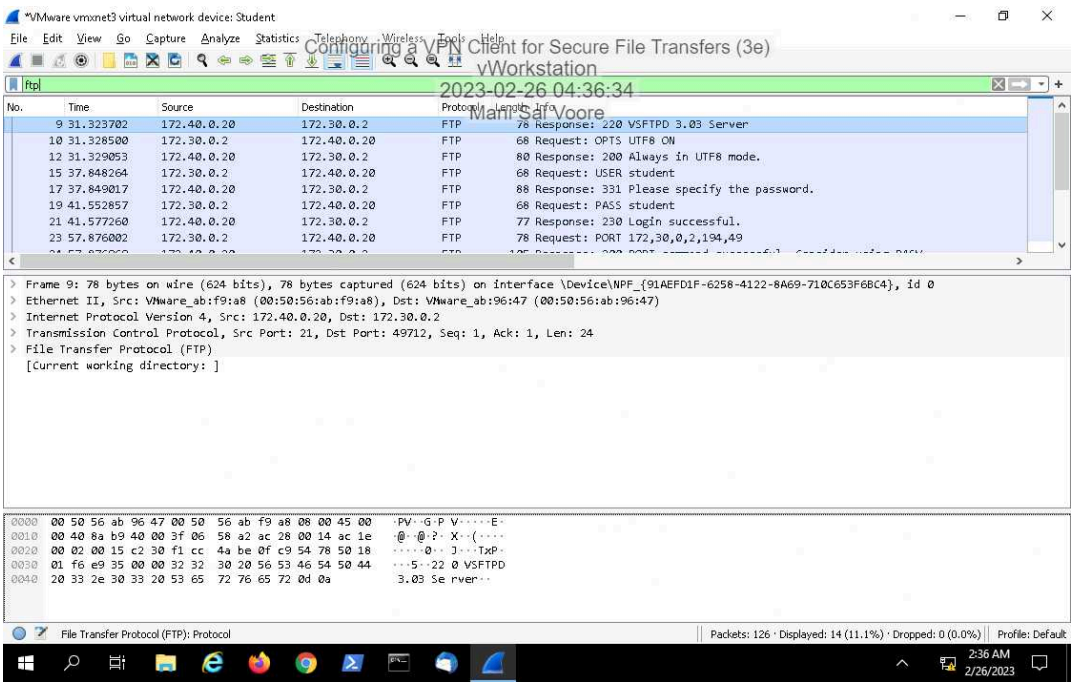


Part 2: Compare Secure and Non-Secure File Transfers in Wireshark

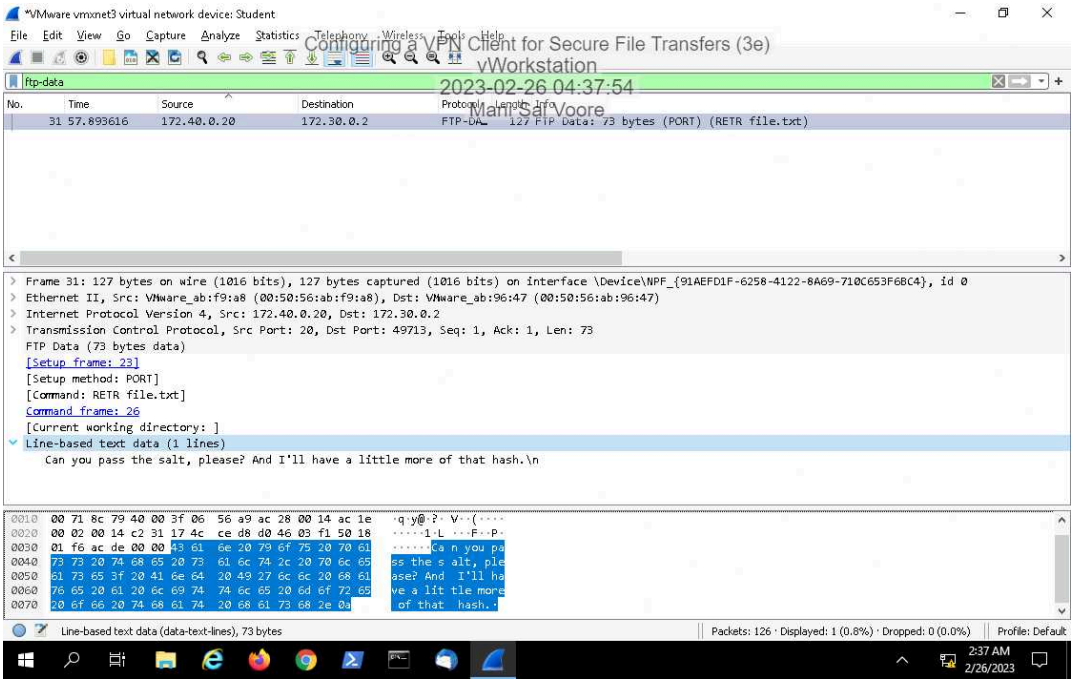
7. **Make a screen capture** showing the **IKE_SA_INIT and IKE_AUTH packets**.



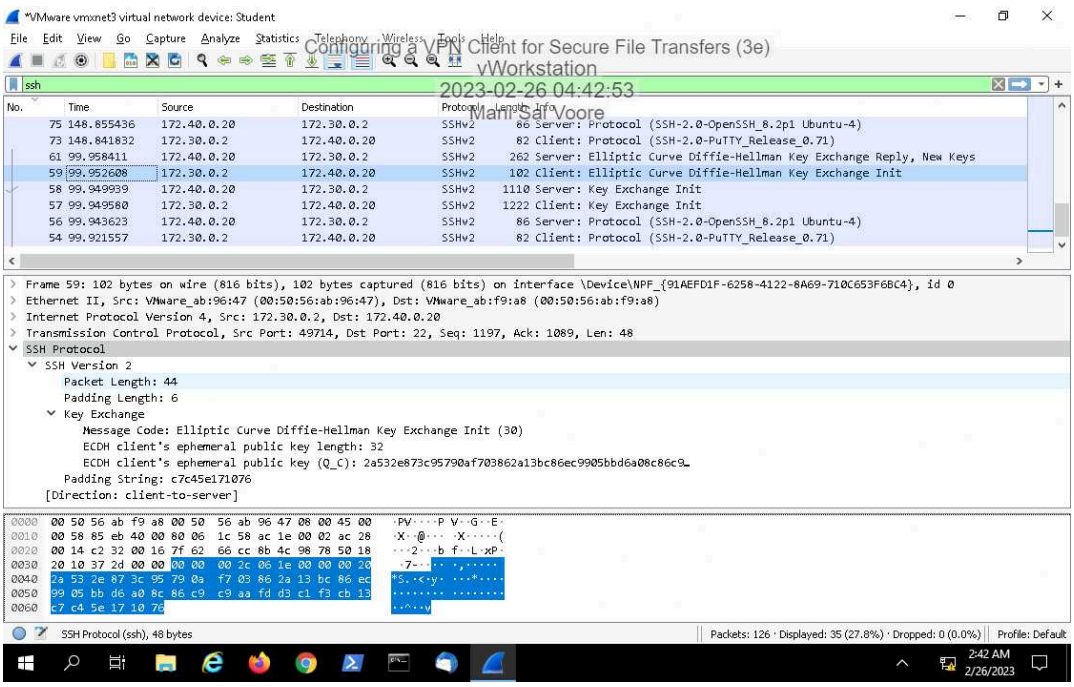
22. **Make a screen capture** showing the **filtered FTP packets in your capture file**.



24. **Make a screen capture** showing the **contents of the file.txt file in the packet bytes pane**.



27. **Make a screen capture** showing the **filtered SSH packets in your capture file**.



Section 3: Challenge and Analysis

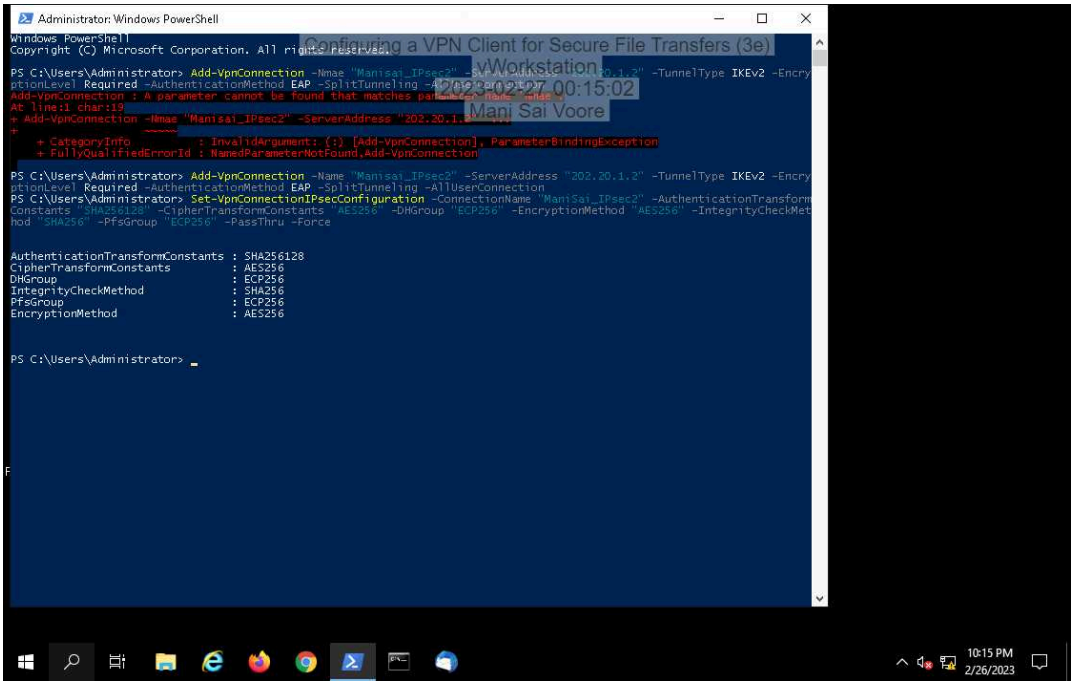
Part 1: Create a New VPN Connection using PowerShell

Document the **command you used to add your VPN connection**.

Add-VpnConnection -Name "ManiSai_IPsec2" -ServerAddress "202.20.1.2" -TunnelType IKEv2 -EncryptionLevel Required -AuthenticationMethod EAP -SplitTunneling -AllUserConnection.

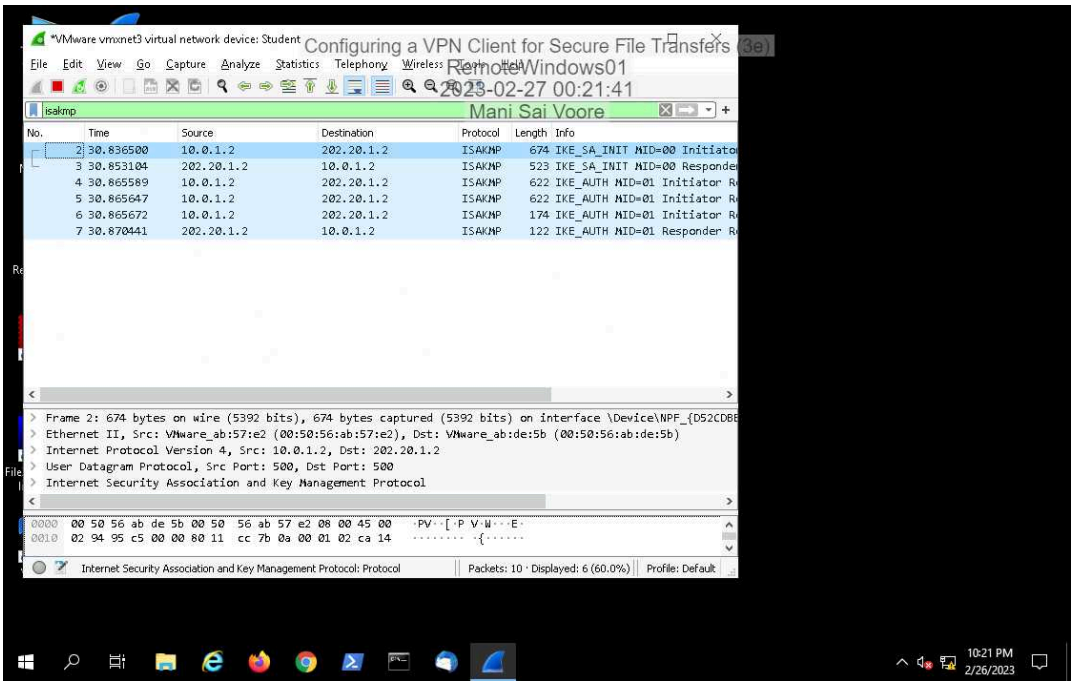
Part 2: Implement a Custom IPsec Policy

Make a screen capture showing the **successfully executed Set-VpnConnectionIPsecConfiguration command in PowerShell**.



Part 3: Verify Your VPN Implementation using Wireshark

Make a screen capture showing the **CREATE_CHILD_SA exchange**.



Make a screen capture showing the **selected Diffie-Hellman transform**.