Configuring a VPN Client for Secure File Transfers (3e)

Network Security, Firewalls, and VPNs, Third Edition - Lab 09

Student:		Email:
Roman Cassm	nan	rcassman0001@kctcs.edu
Time on Task:		Progress:
10 hours, 0 minutes		77%
Report Generated: Friday, February 3, 2023 at 3:40 PM		

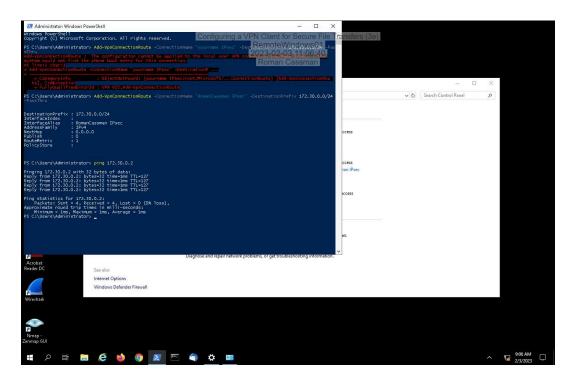
Section 1: Hands-On Demonstration

Part 1: Configure a Windows VPN Client

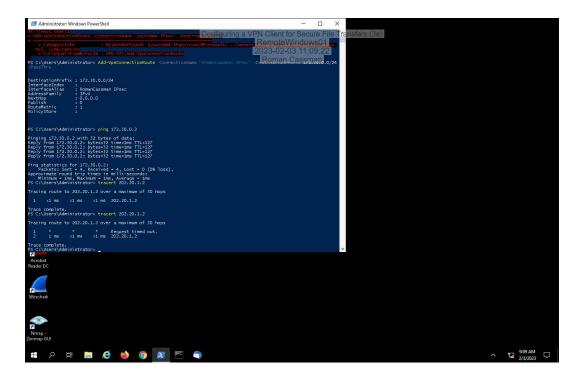
30. Make a screen capture showing the VPN connection properties.



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

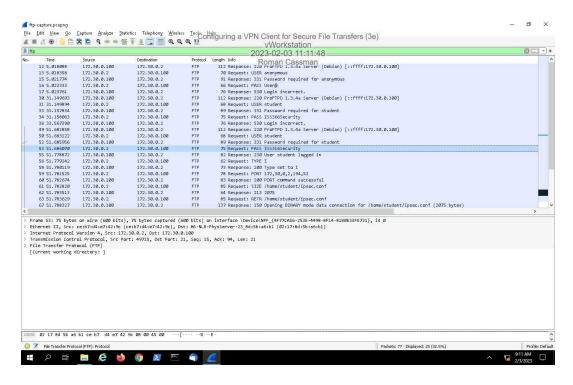


72. Make a screen capture showing your new tracert results.

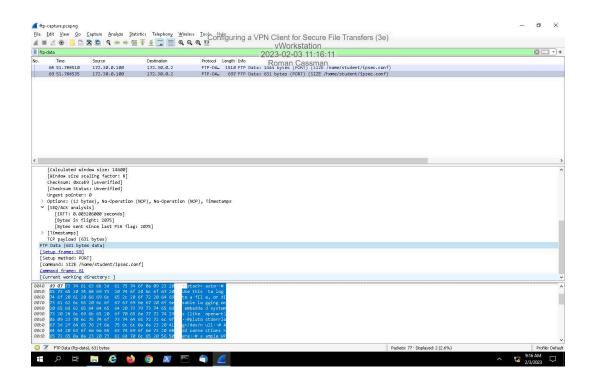


Part 2: Compare Secure and Non-Secure File Transfers in Wireshark

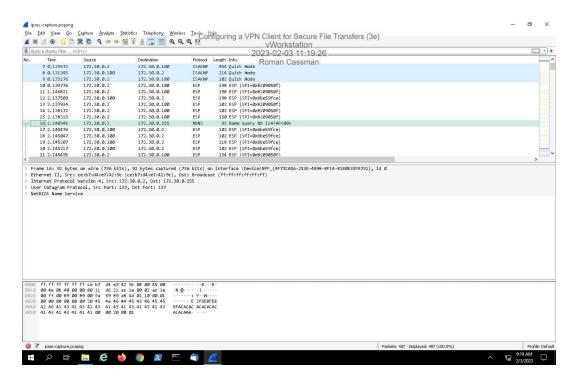
12. Make a screen capture showing the packet that carries the correct password.



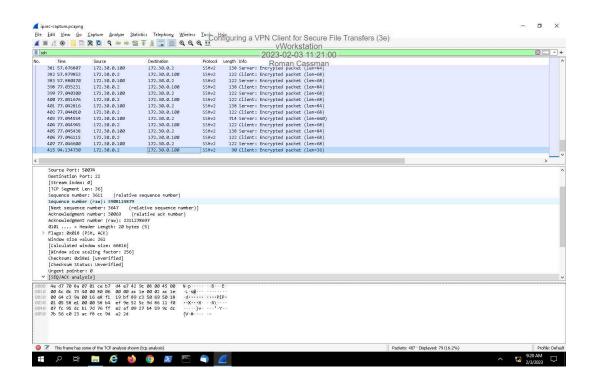
28. Make a screen capture showing the Wireshark window and the packet bytes pane for Packet 69.



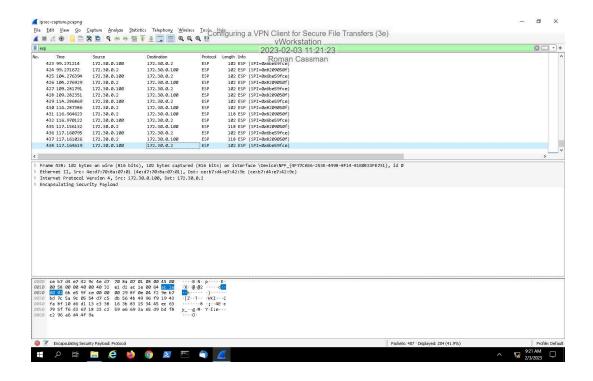
44. Make a screen capture showing the packet details pane for packet 16.



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



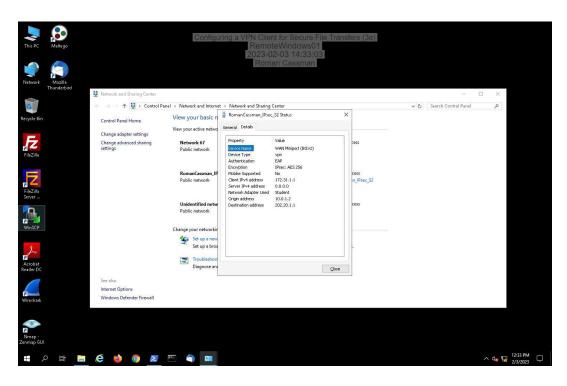
51. Make a screen capture showing the last packets in the ESP exchange.



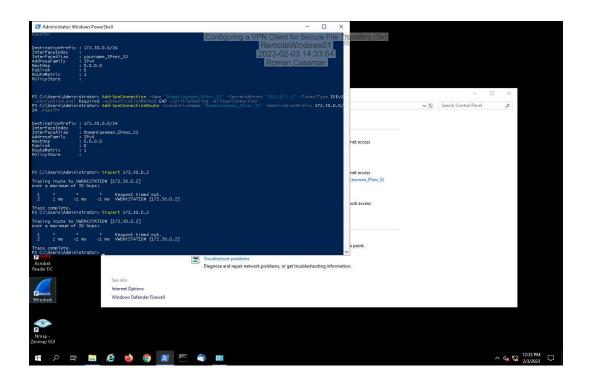
Section 2: Applied Learning

Part 1: Configure a Windows VPN Client

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

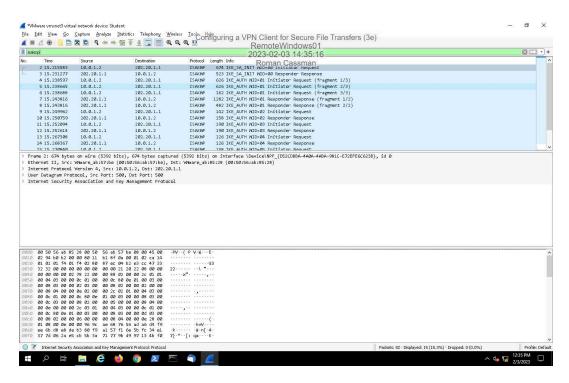


23. Make a screen capture showing your successful tracert to the remote machine.

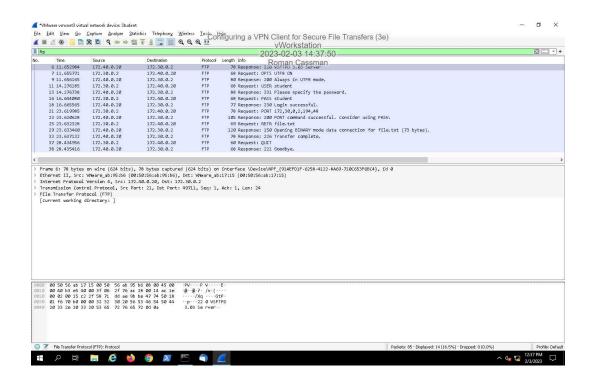


Part 2: Compare Secure and Non-Secure File Transfers in Wireshark

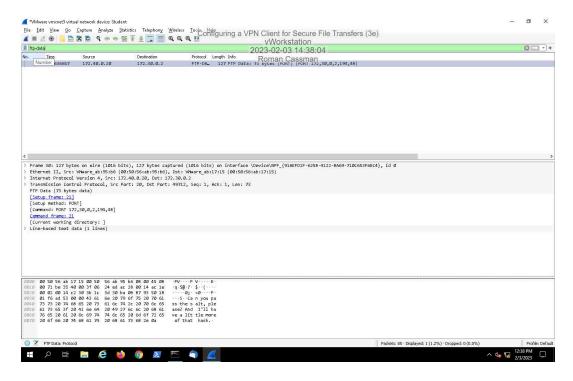
7. Make a screen capture showing the IKE_SA_INIT and IKE_AUTH packets.



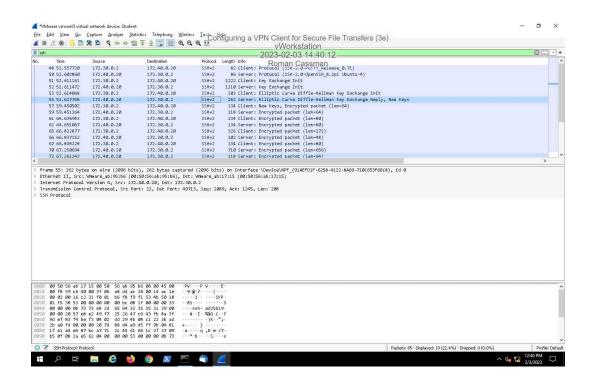
22. Make a screen capture showing the filtered FTP packets in your capture file.



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.



Configuring a VPN Client for Secure File Transfers (3e)

Network Security, Firewalls, and VPNs, Third Edition - Lab 09

Section 3: Challenge and Analysis

Part 1: Create a New VPN Connection using PowerShell

Document the command you used to add your VPN connection.

Incomplete

Part 2: Implement a Custom IPsec Policy

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

Incomplete

Part 3: Verify Your VPN Implementation using Wireshark

Make a screen capture showing the CREATE_CHILD_SA exchange.

Incomplete

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

Incomplete