## Assessing the Network with Common Security Tools (3e)

Network Security, Firewalls, and VPNs, Third Edition - Lab 01

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Time on Task: Progress:
2 hours, 29 minutes 72%

Report Generated: Saturday, July 26, 2025 at 2:10 PM

### **Section 1: Hands-On Demonstration**

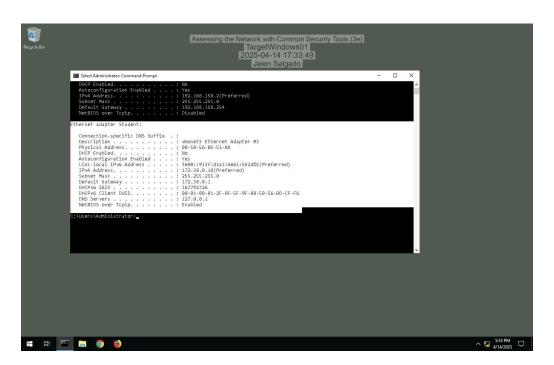
# Part 1: Explore the Local Area Network

4. Make a screen capture showing the ipconfig results for the Student adapter on the vWorkstation.

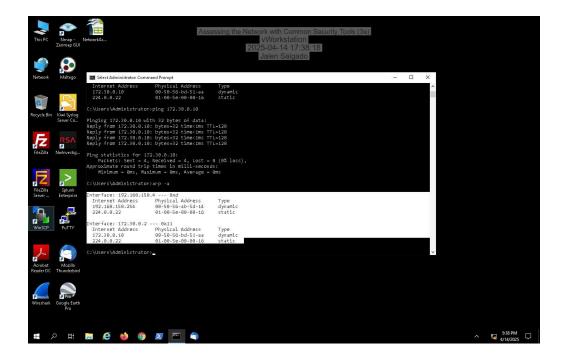


Network Security, Firewalls, and VPNs, Third Edition - Lab 01

7. Make a screen capture showing the ipconfig results for the Student adapter on TargetWindows01.

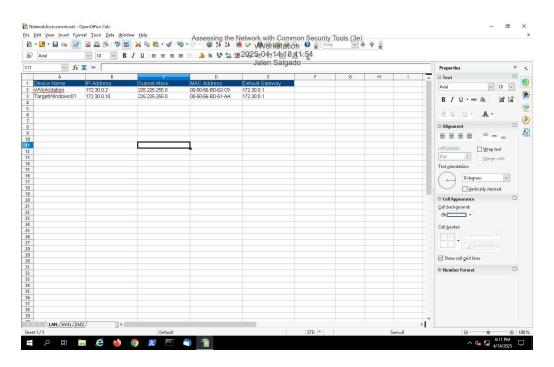


15. Make a screen capture showing the updated ARP cache on the vWorkstation.



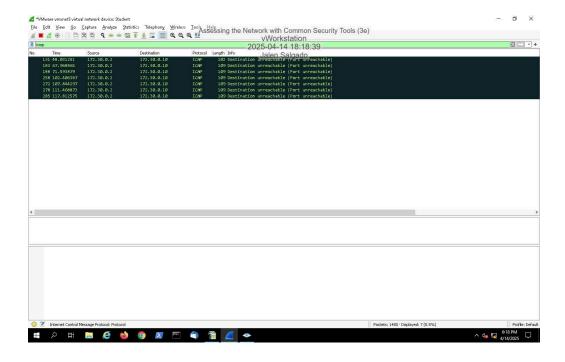
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19. Make a screen capture showing the completed LAN tab of the Network Assessment spreadsheet.

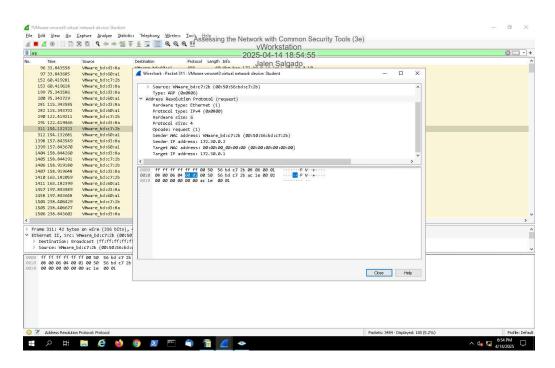


Part 2: Analyze Network Traffic

9. Make a screen capture showing the ICMP filtered results in Wireshark.



12. Make a screen capture showing the ARP filtered results in Wireshark.

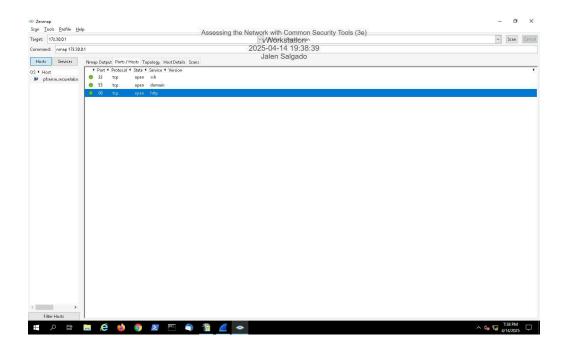


- 18. **Compare** the Regular scan results for ICMP and ARP traffic with the results from the Ping scan.
- 1 ARP reply and request from the target IP 1 ICMP Echo replyping scan was dozens of ARP requests with some replies and 70+ ECHO requests with a few replies
  - 24. **Compare** the Intense scan results with the results from the Ping scan.

The intense scan generated 1 ARP request and 1 ARP reply from the target IP, along with 1 ICMP Echo Reply.

The ping scan resulted in dozens of ARP requests across the subnet with some ARP replies, and over 70 ICMP Echo Requests with a few Echo Replies.

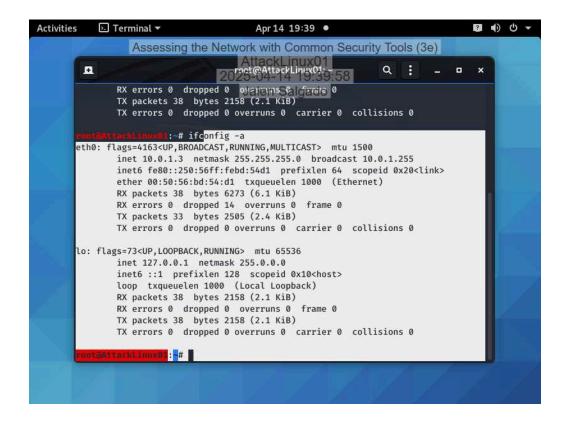
#### 28. Make a screen capture showing the contents of the Ports/Hosts tab.



# **Section 2: Applied Learning**

### Part 1: Explore the Wide Area Network

6. Make a screen capture showing the ifconfig results on AttackLinux01.

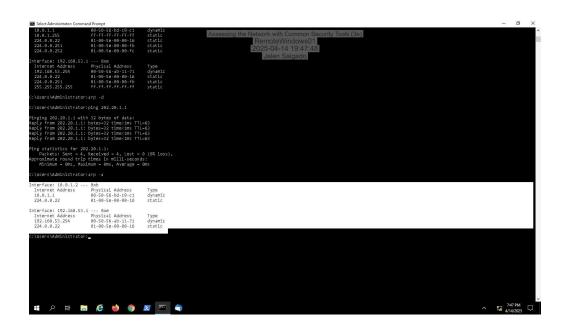


Network Security, Firewalls, and VPNs, Third Edition - Lab 01

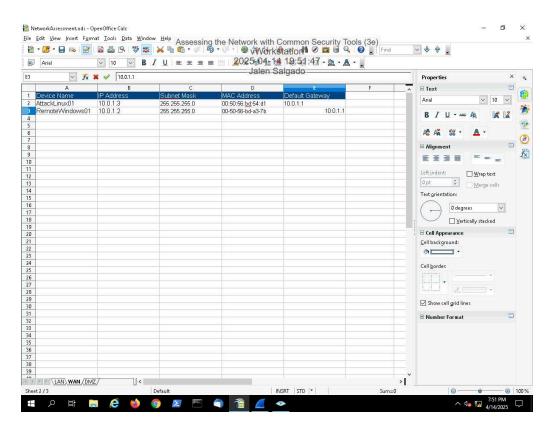
12. Make a screen capture showing the ipconfig results on RemoteWindows01.



18. Make a screen capture showing the updated ARP cache on RemoteWindows01.



22. Make a screen capture showing the completed WAN tab of the Network Assessment spreadsheet.



Part 2: Analyze Network Traffic

9. Make a screen capture showing tcpdump echo back the captured packets.

Incomplete

12. Make a screen capture showing the attempted three-way handshake in tcpdump.

Incomplete

17. Make a screen capture showing the results of the get command.

Incomplete

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# **Section 3: Challenge and Analysis**

## Part 1: Explore the DMZ

Make a screen capture showing the completed DMZ tab of the NetworkAssessment spreadsheet.

Incomplete

#### Part 2: Perform Reconnaissance on the Firewall

Briefly summarize and analyze your findings in a technical memo to your boss.

Incomplete