Troubleshooting Common Network Issues

Fundamentals of Communications and Networking, Third Edition - Lab 10

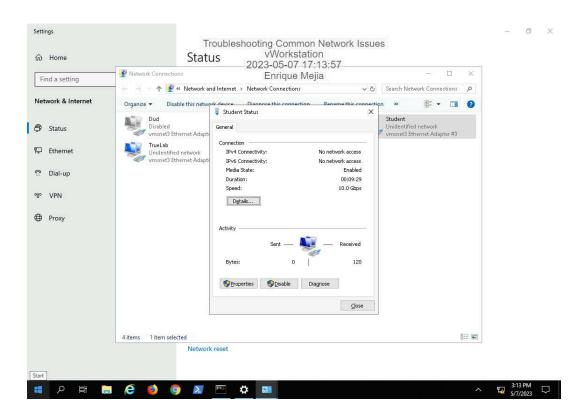
Report Generated: Sunday, May 7, 2023 at 6:47 PM

Student:	Email:
Enrique Mejia	enriquem2260@gmail.com
Time on Task:	Progress:
0 hours, 45 minutes	100%

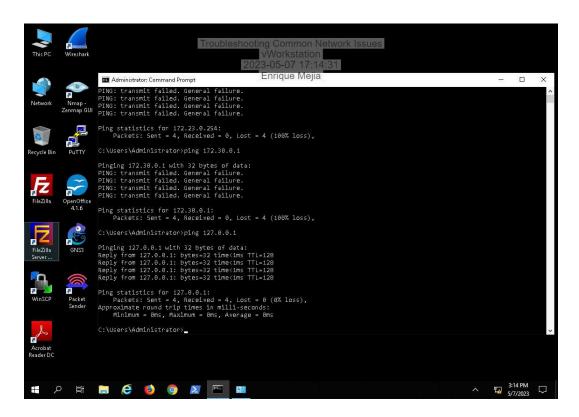
Section 1: Hands-On Demonstration

Part 1: Troubleshoot Connectivity Issues on the LAN

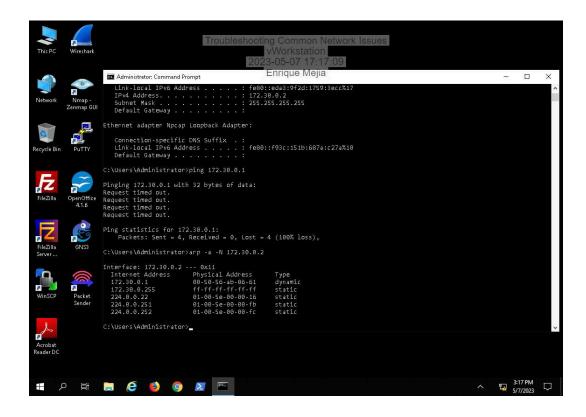
8. Make a screen capture showing the Student connection details in the Student Status window.



14. Make a screen capture showing the successful localhost ping.

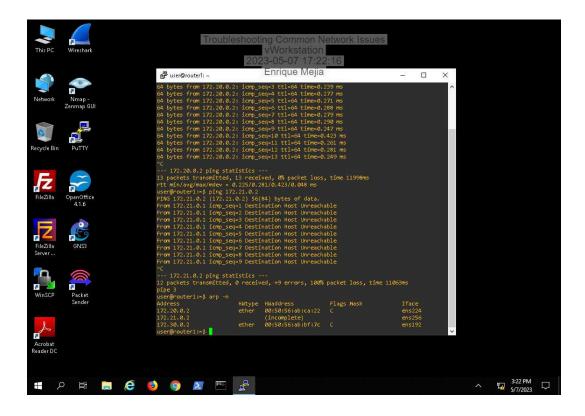


28. Make a screen capture showing the current ARP cache for the vWorkstation machine.

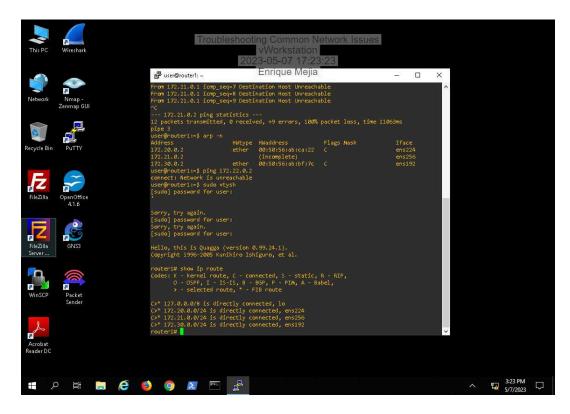


Part 2: Troubleshoot Connectivity Issues on the WAN

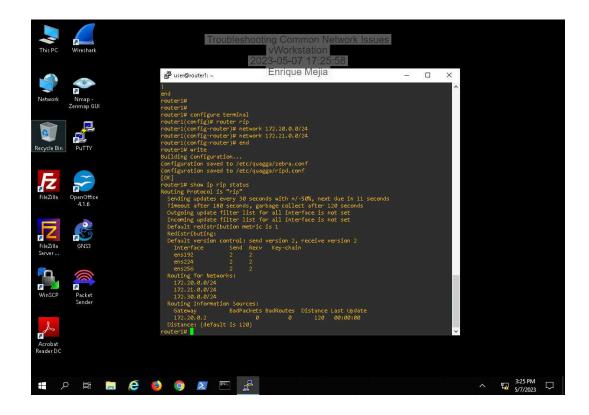
7. Make a screen capture showing the router1 ARP cache.



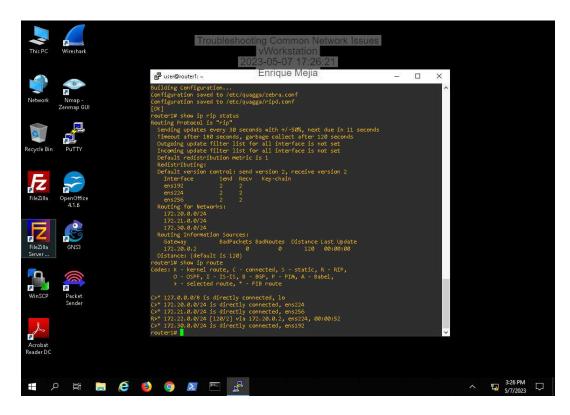
11. Make a screen capture showing the current routing table on router1.



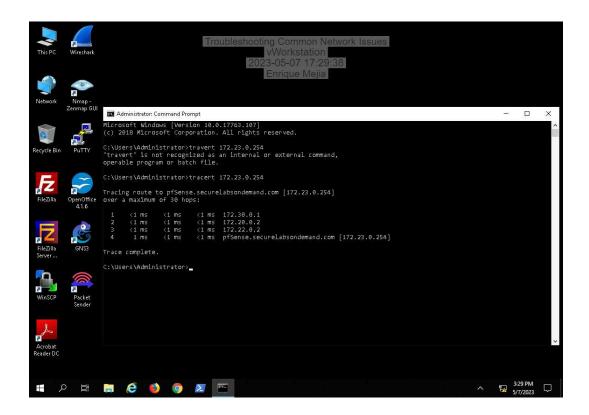
21. Make a screen capture showing the output of your RIP status command.



23. Make a screen capture showing the new RIP-provided route.



39. Make a screen capture showing the successful traceroute to pfSense from the vWorkstation.

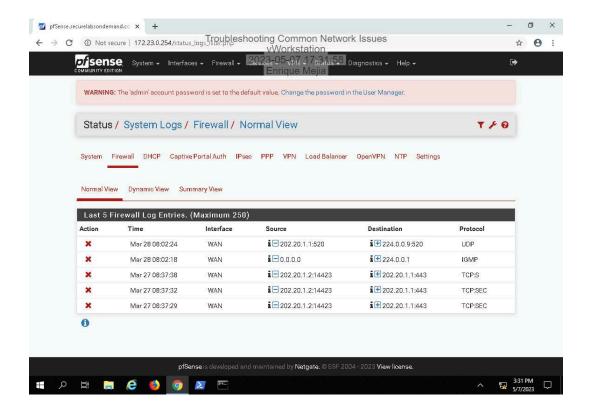




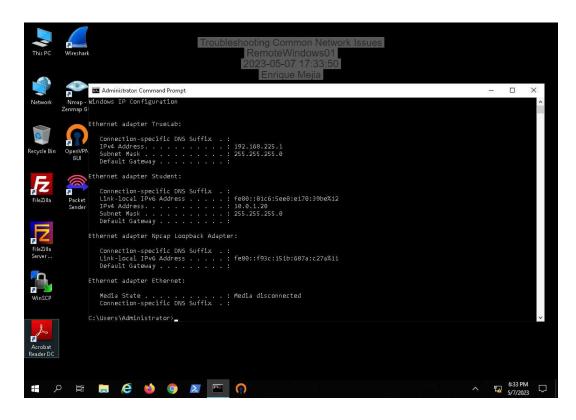
Section 2: Applied Learning

Part 1: Troubleshoot VPN Issues

8. Make a screen capture showing the blocked connections from 202.20.1.2 in the firewall logs.



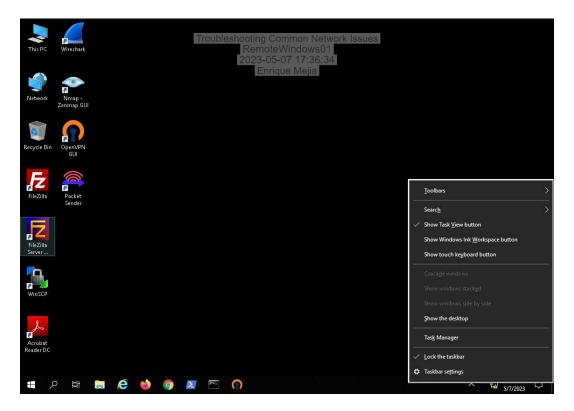
18. Make a screen capture showing the current IP configuration on RemoteWindows01.



22. Make a screen capture showing the successful ping to the RemoteWindows01 machine's default gateway.

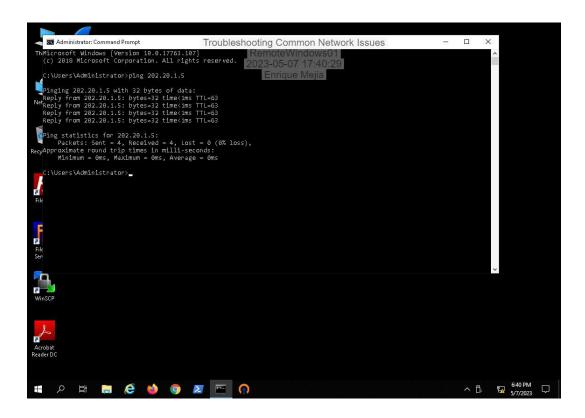


31. Make a screen capture showing the OpenVPN Connection window.

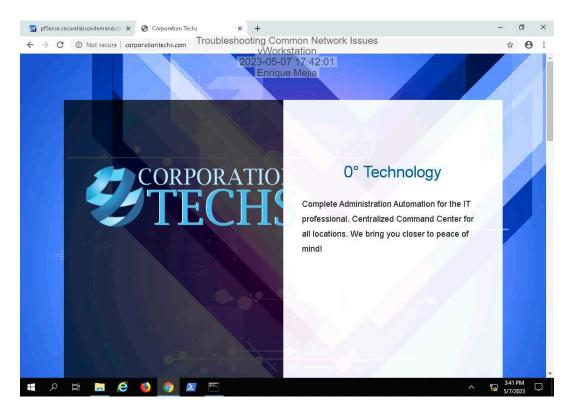


Part 2: Troubleshoot DNS Issues

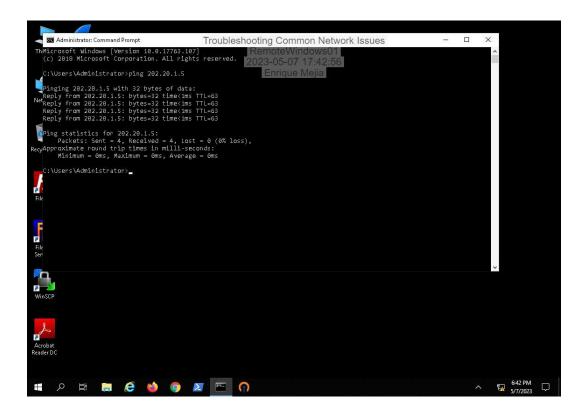
15. Make a screen capture showing the output of your ping and nslookup executions.



22. Make a screen capture showing the successful connection to the corporationtechs.com website.



25. Make a screen capture showing the successful record lookup of corporationtechs.com.



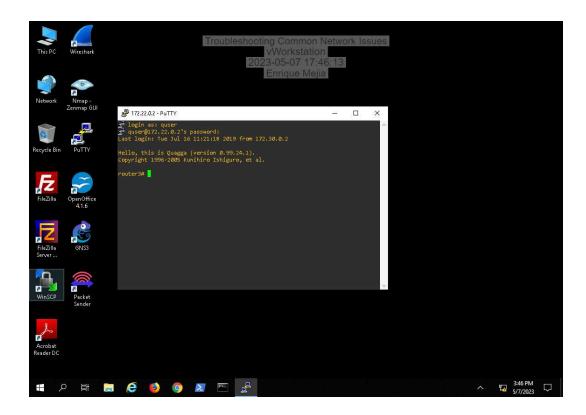


Section 3: Challenge and Analysis

Part 1: Continue Troubleshooting Connectivity Issues

Describe the networking problem you have identified.

Make a screen capture showing the command output that corroborates your problem description.



Part 2: Resolve the Connectivity Issues

Make a screen capture showing the output of your status command.

