Student:	Email:
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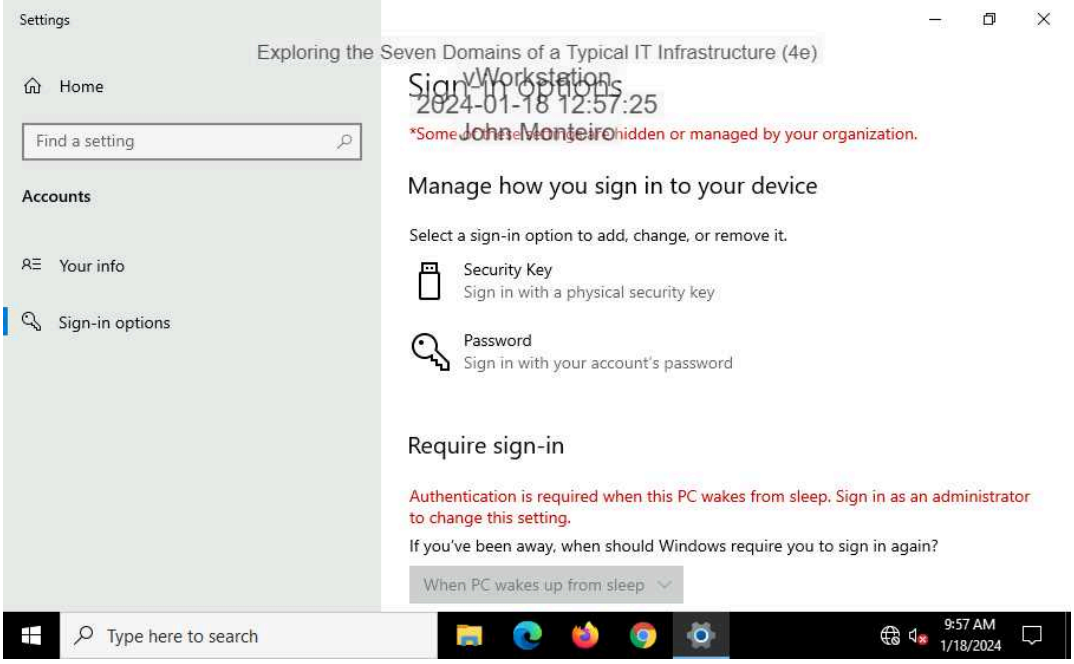
Time on Task:	Progress:
8 hours, 58 minutes	100%

Report Generated: Friday, January 19, 2024 at 1:09 PM

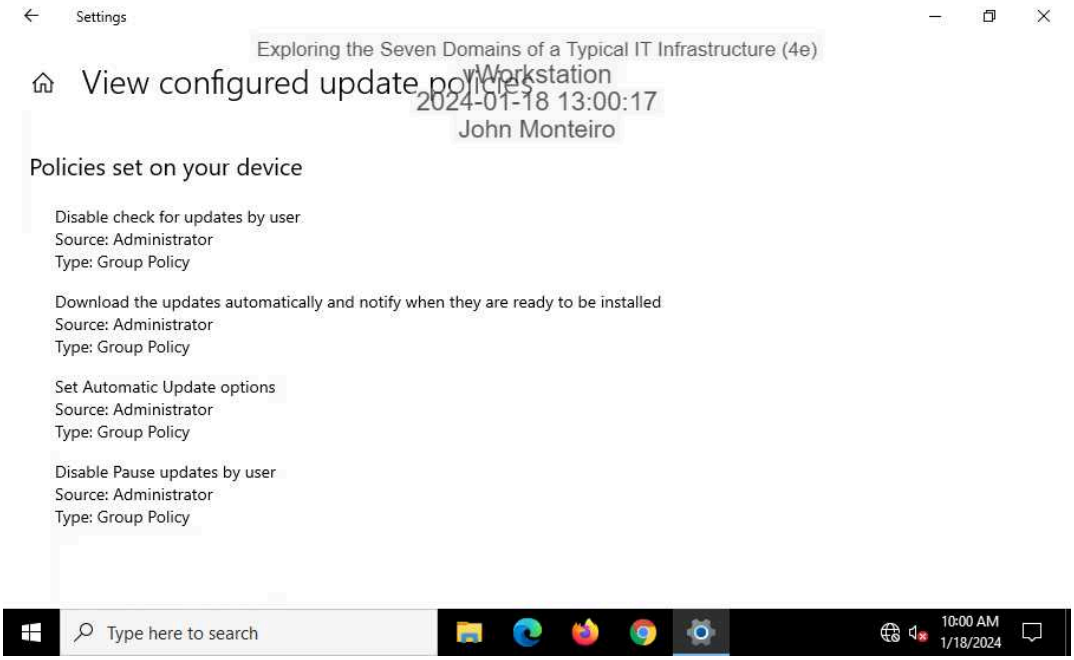
Section 1: Hands-On Demonstration

Part 1: Explore the Workstation Domain

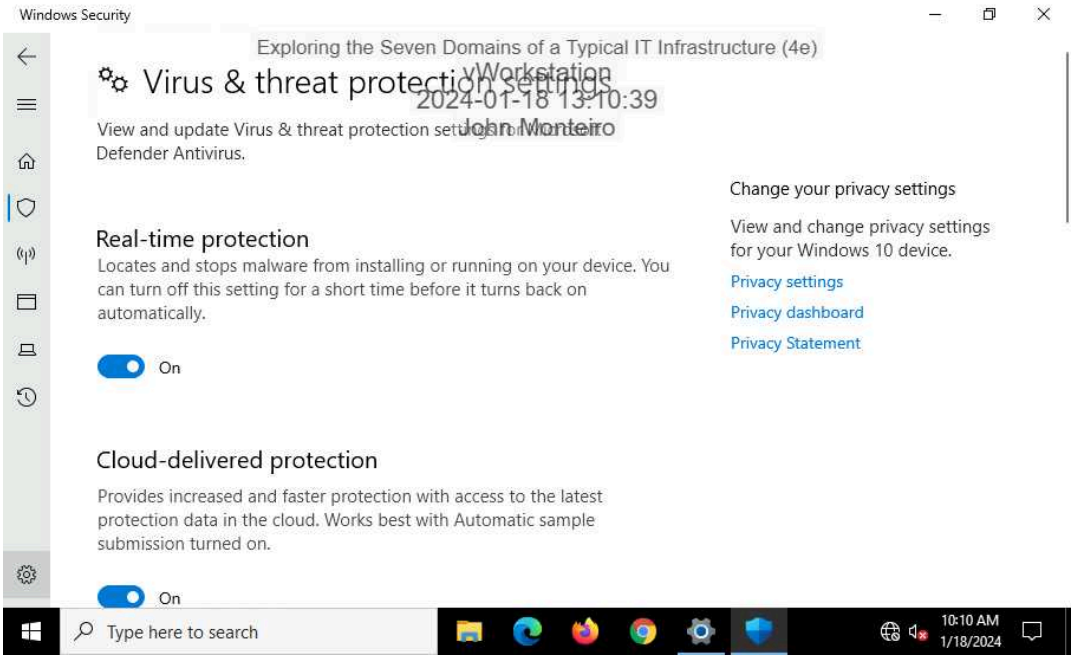
4. **Make screen capture** showing the **Sign-in options for Alice's account**.



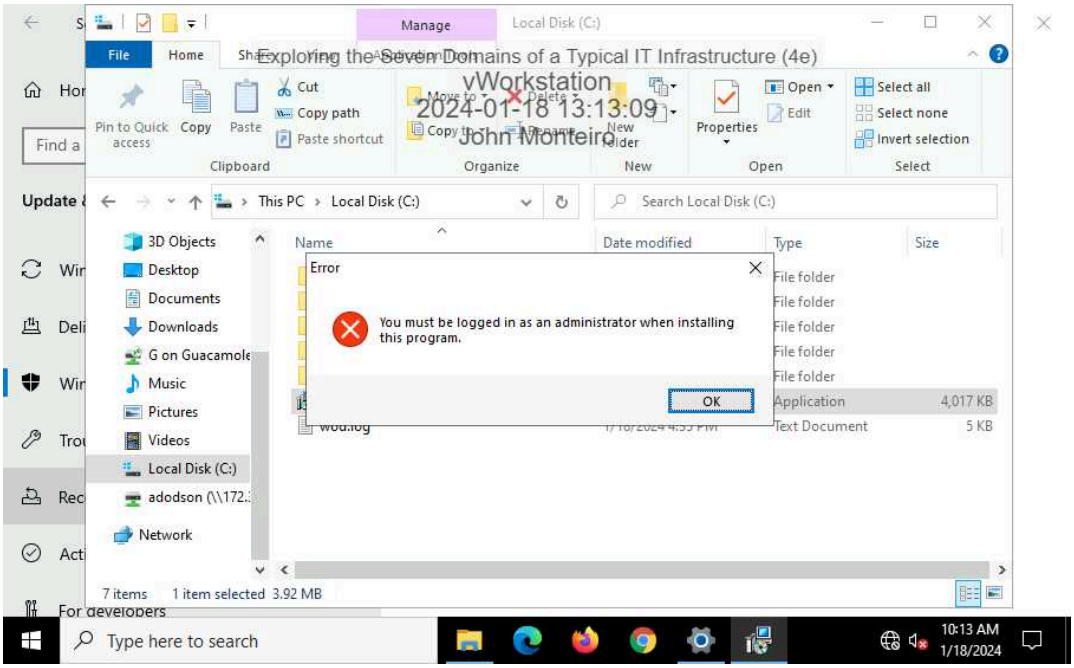
7. **Make a screen capture** showing the **View configured update policies page**.



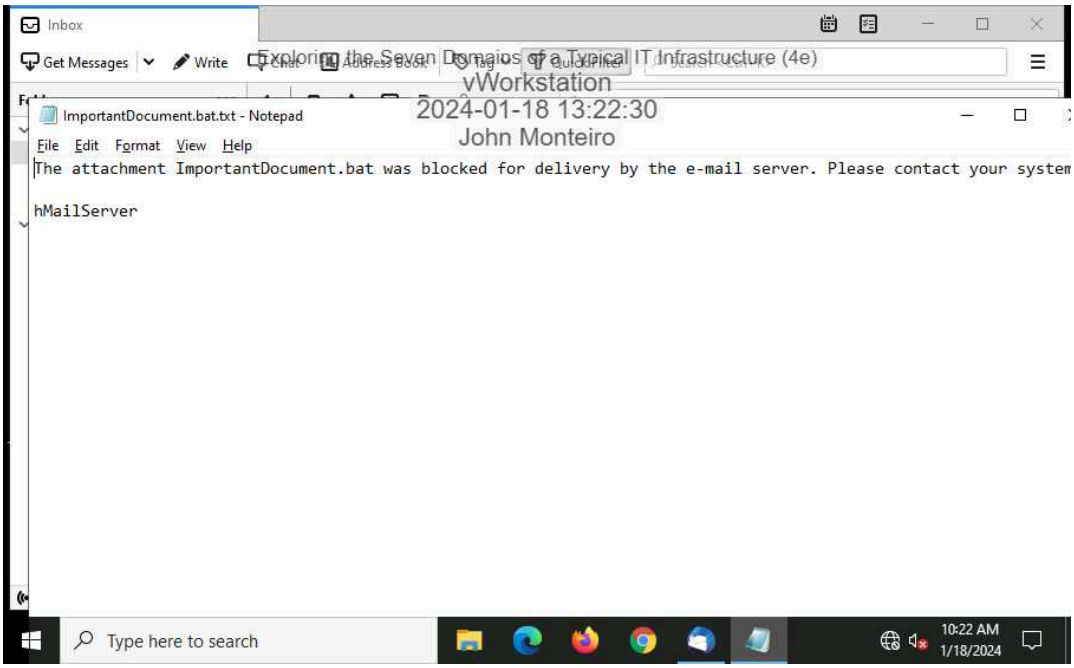
14. **Make a screen capture** showing the **Virus & Threat Protection Settings**.



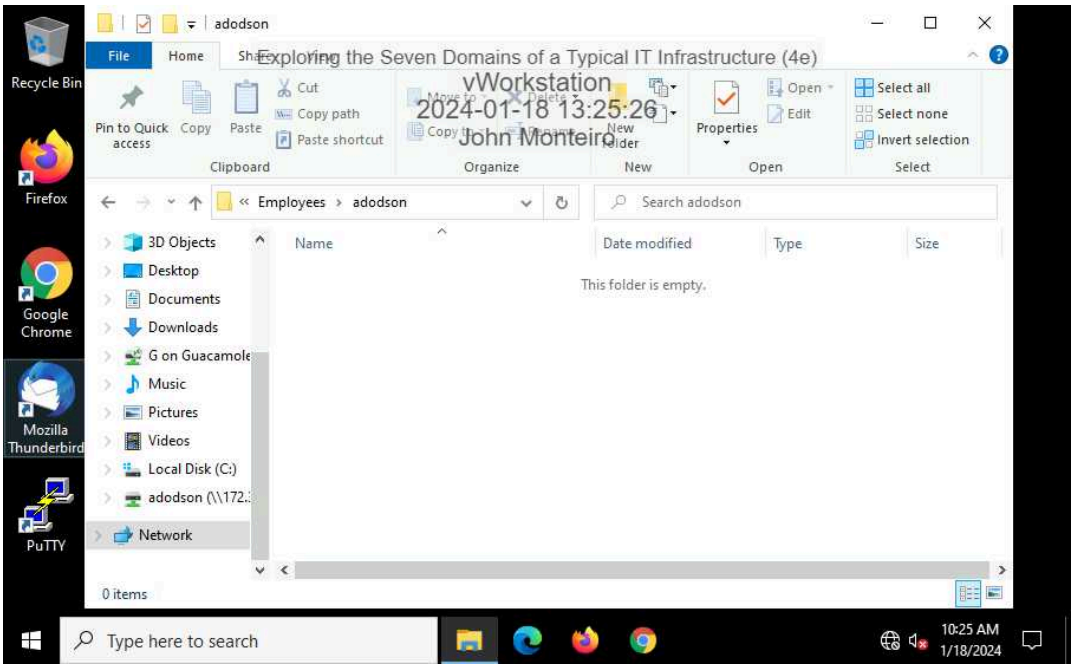
18. **Make a screen capture** showing the **security warning from attempting to run an executable file**.



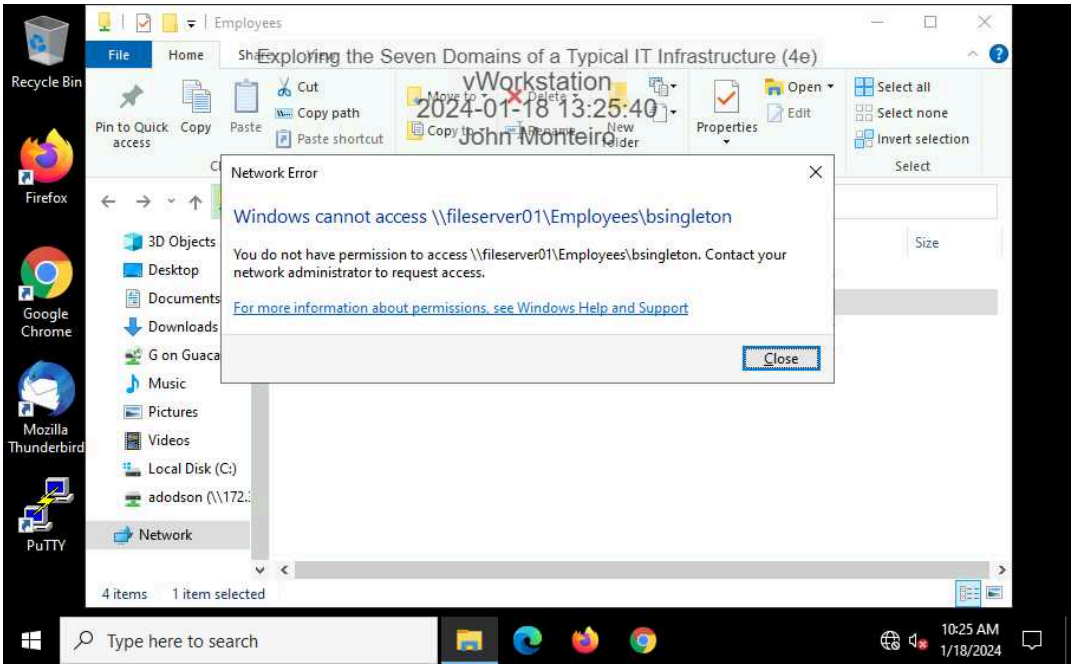
24. **Make a screen capture** showing the **blocked attachment message**.



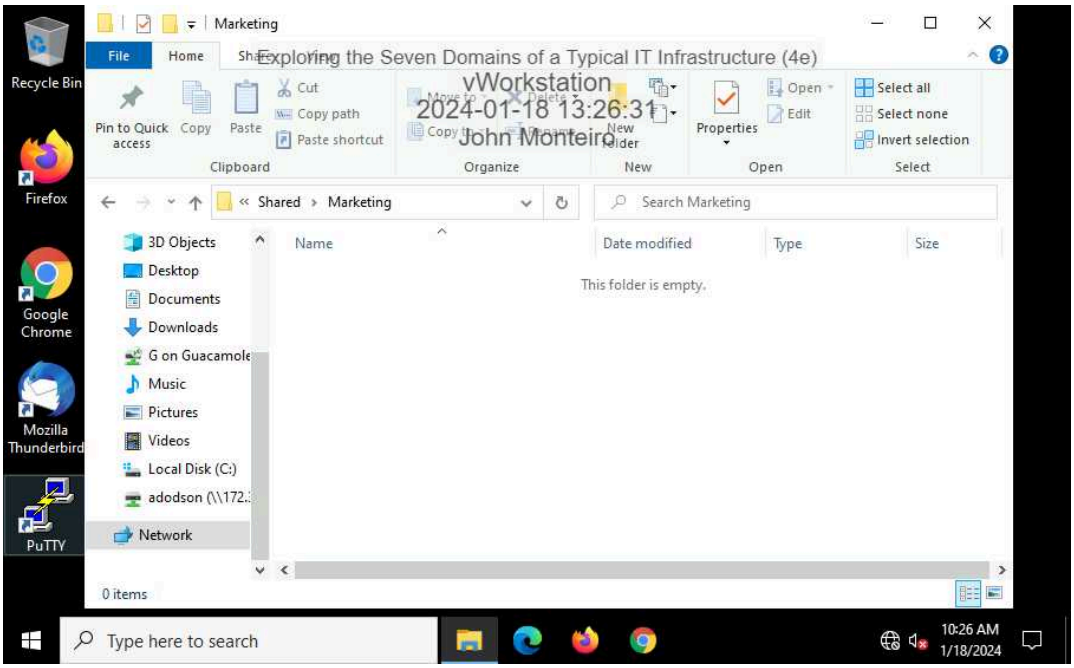
28. **Make a screen capture** showing a **successful connection to the adodson user folder**.



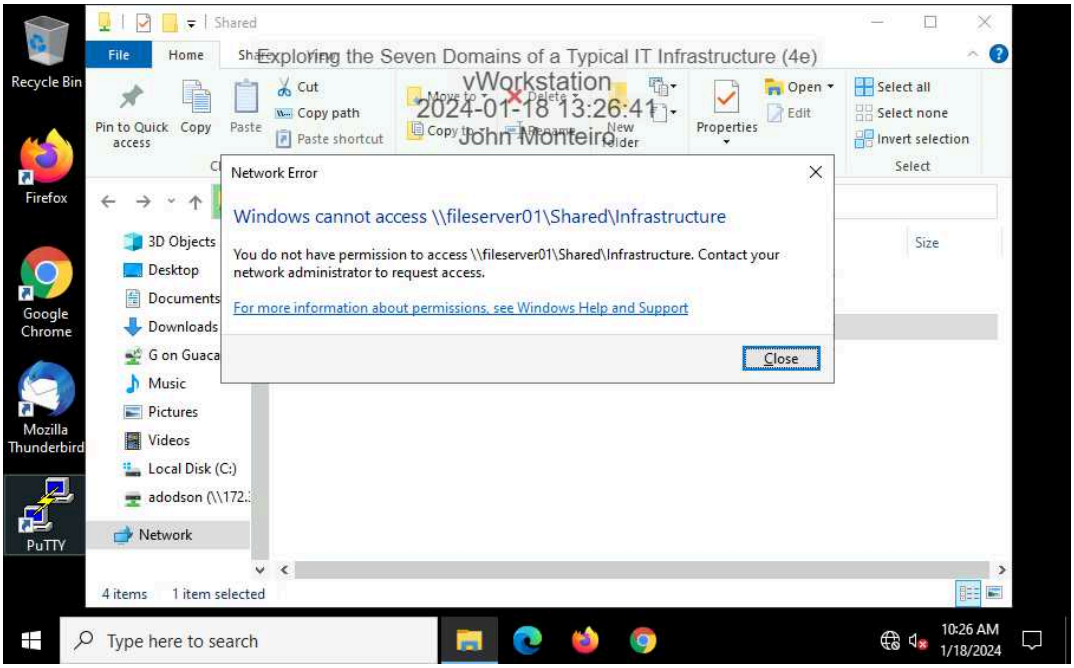
29. **Make a screen capture** showing a **failed connection to another user folder**.



31. **Make a screen capture** showing a **successful connection to the Marketing shared folder**.

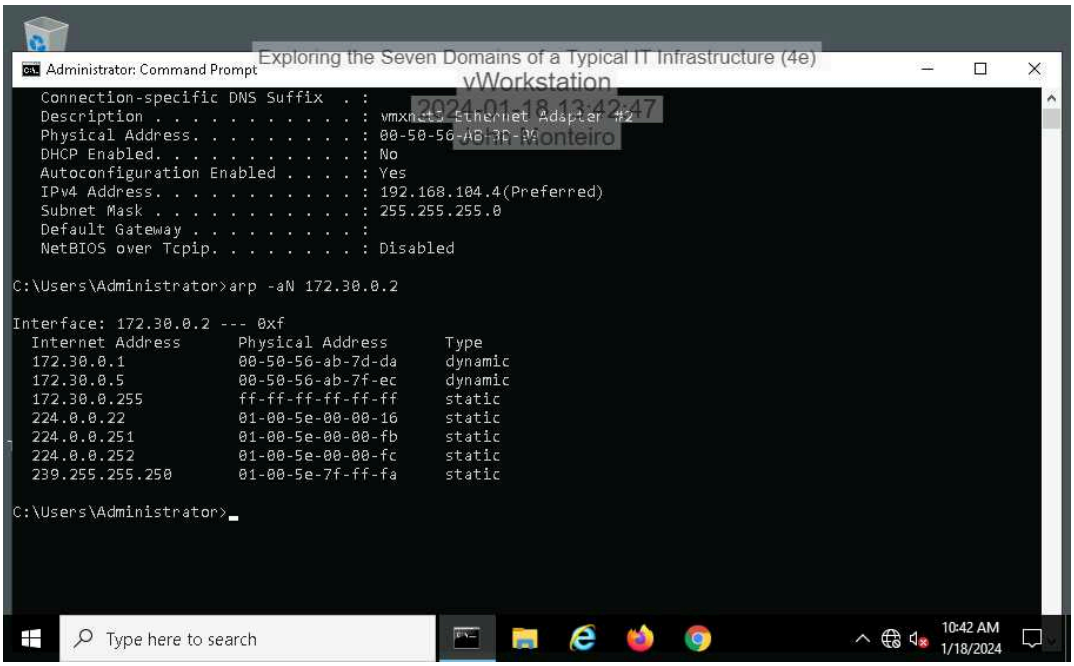


32. **Make a screen capture** showing a **failed connection to another shared folder**.

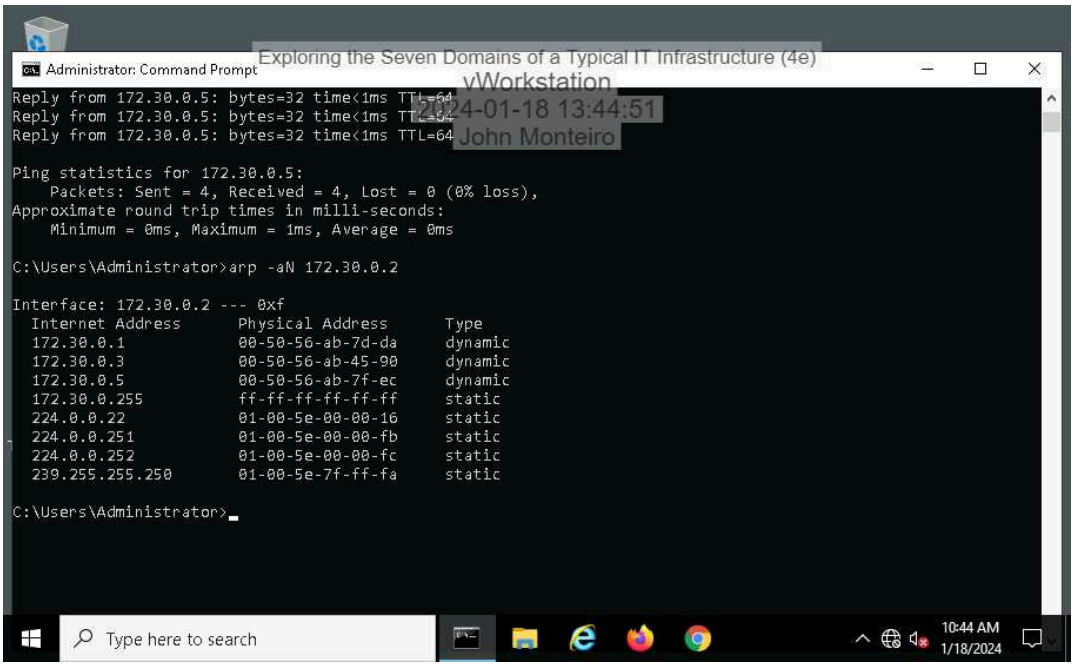


Part 2: Explore the LAN Domain

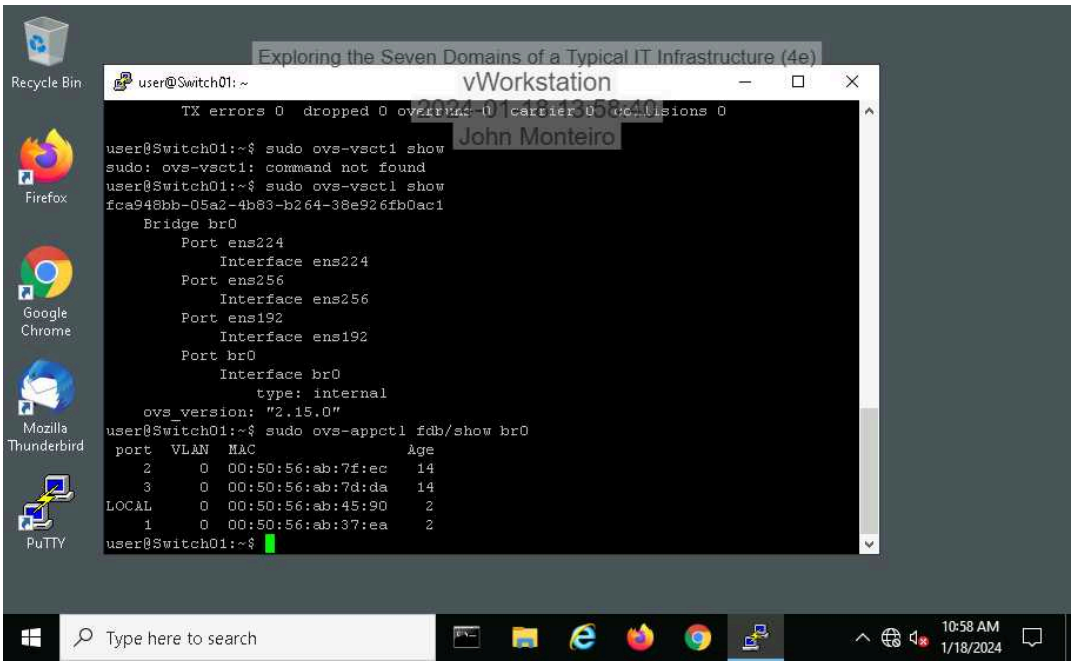
5. **Make a screen capture** showing the **vWorkstation's original ARP table**.



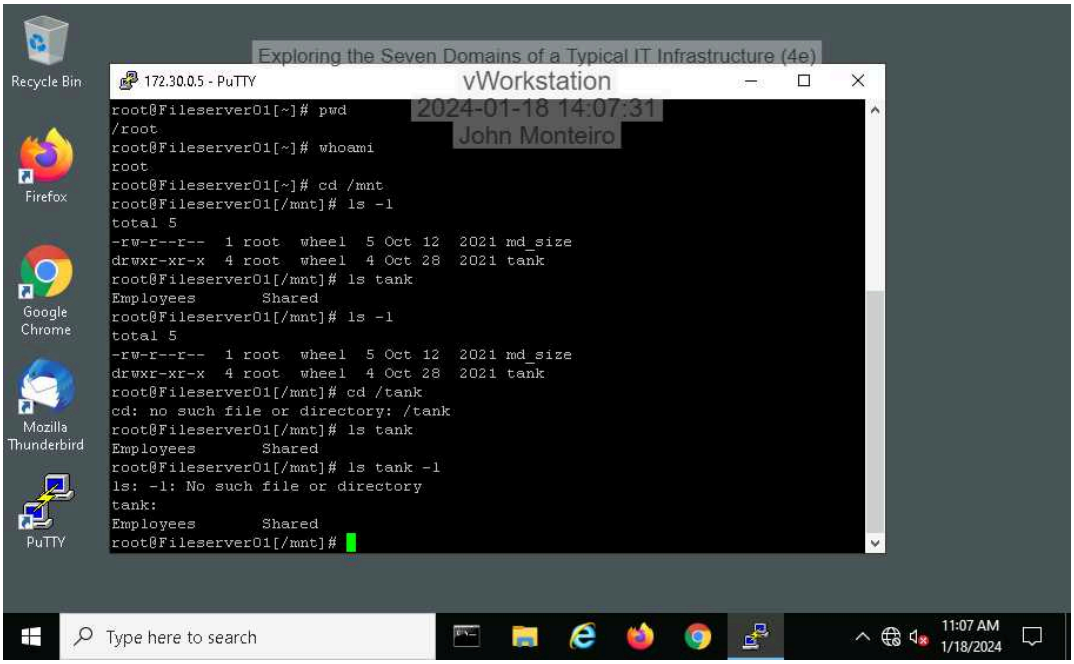
10. **Make a screen capture** showing the **vWorkstation's updated ARP table.**



20. **Make a screen capture** showing the **Switch01 forwarding table**.

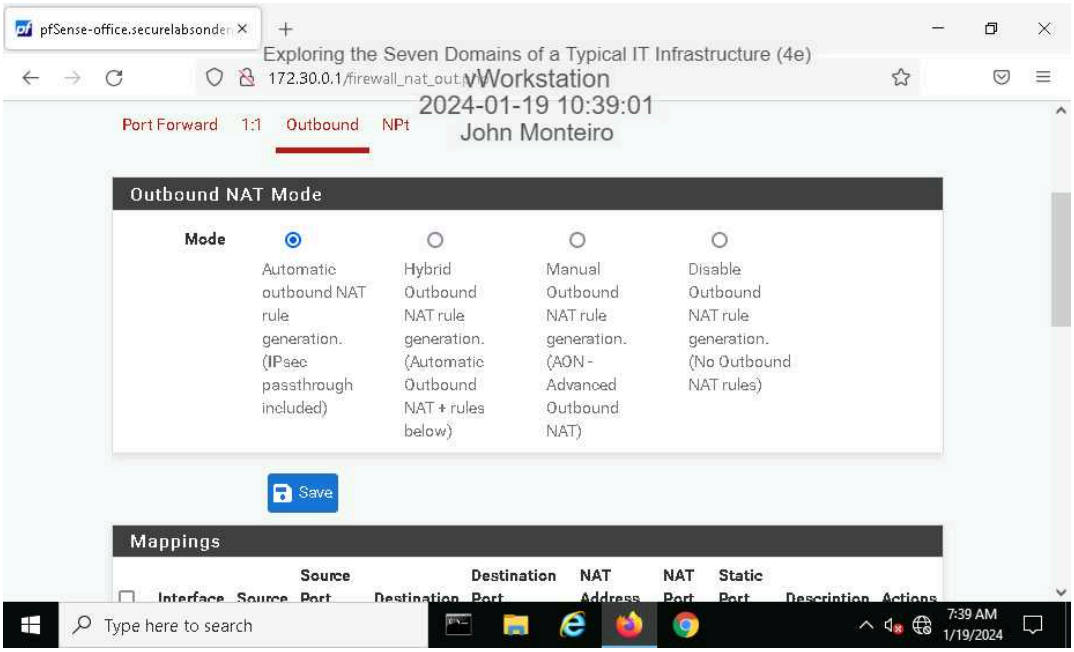


30. **Make a screen capture** showing the **contents of the Employees directory**.

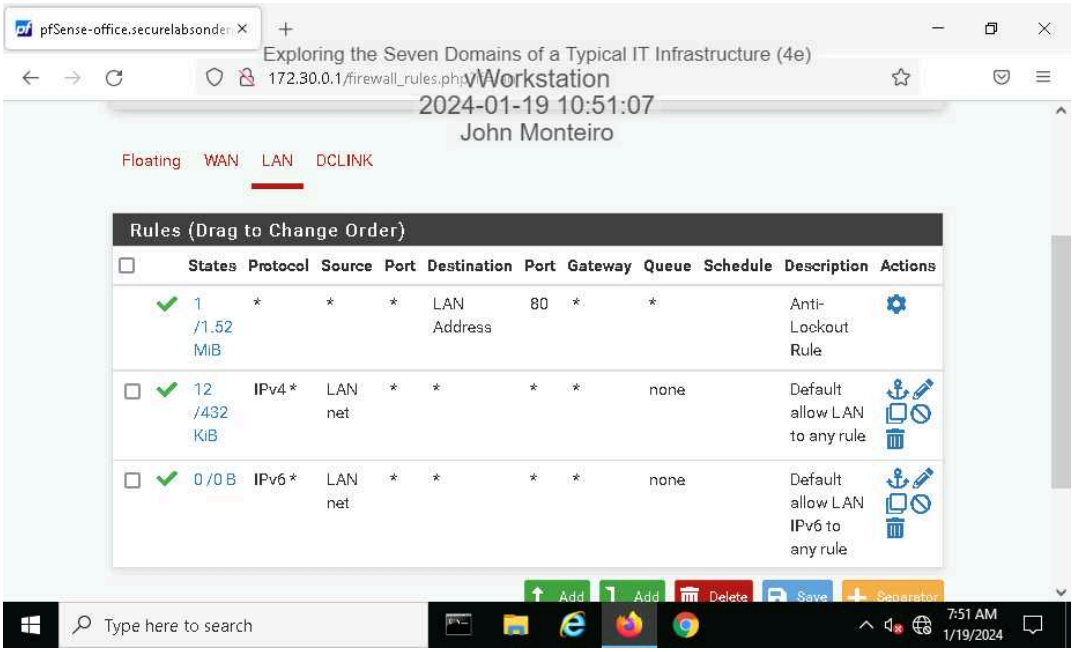


Part 3: Explore the LAN-to-WAN Domain

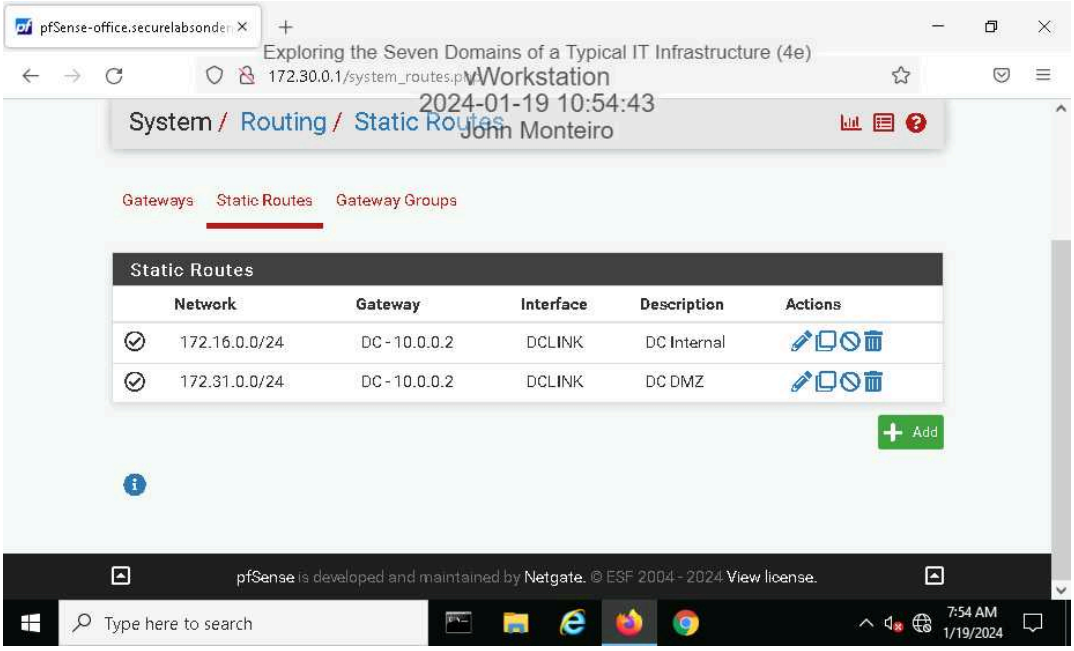
6. **Make a screen capture** showing the **Outbound NAT settings**.



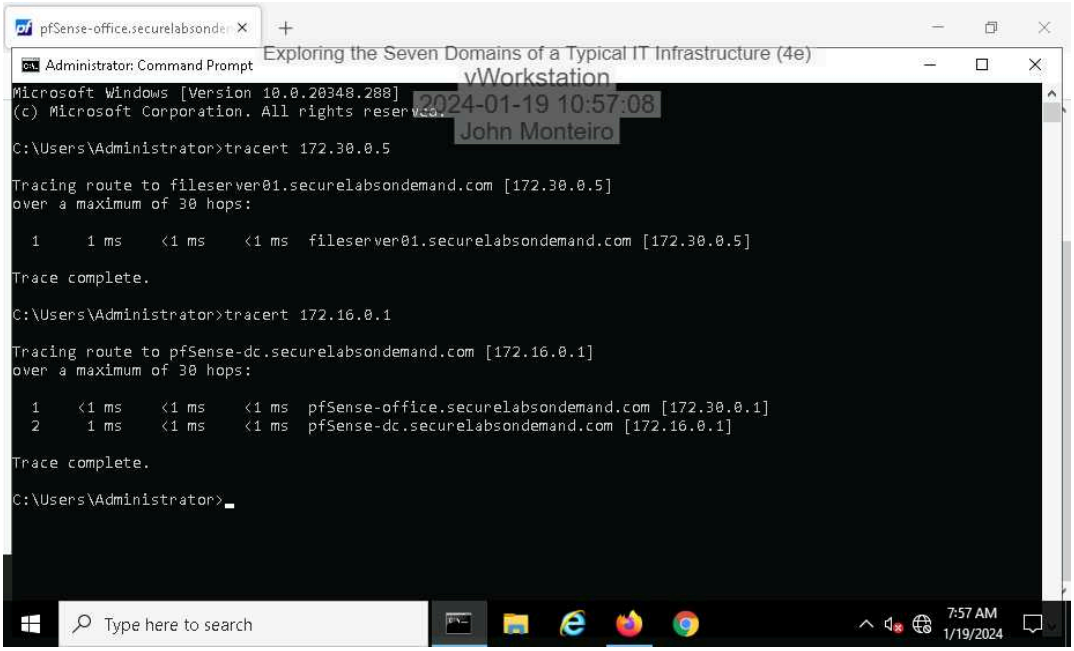
9. **Make a screen capture** showing the **permissive LAN rules**.



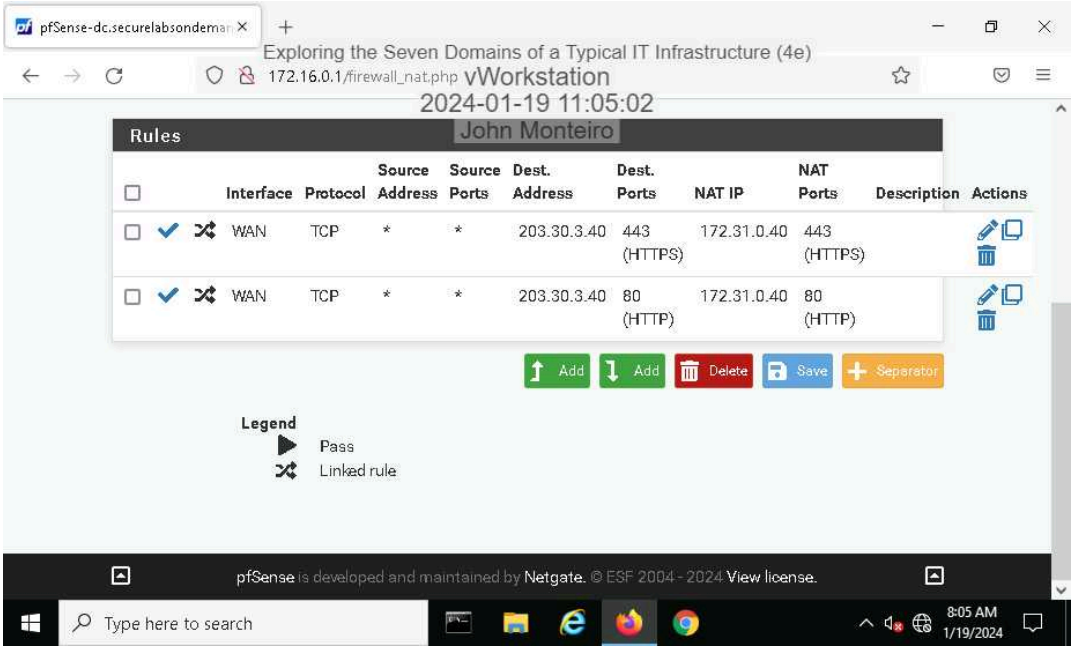
12. **Make a screen capture** showing the **Static Routes page**.



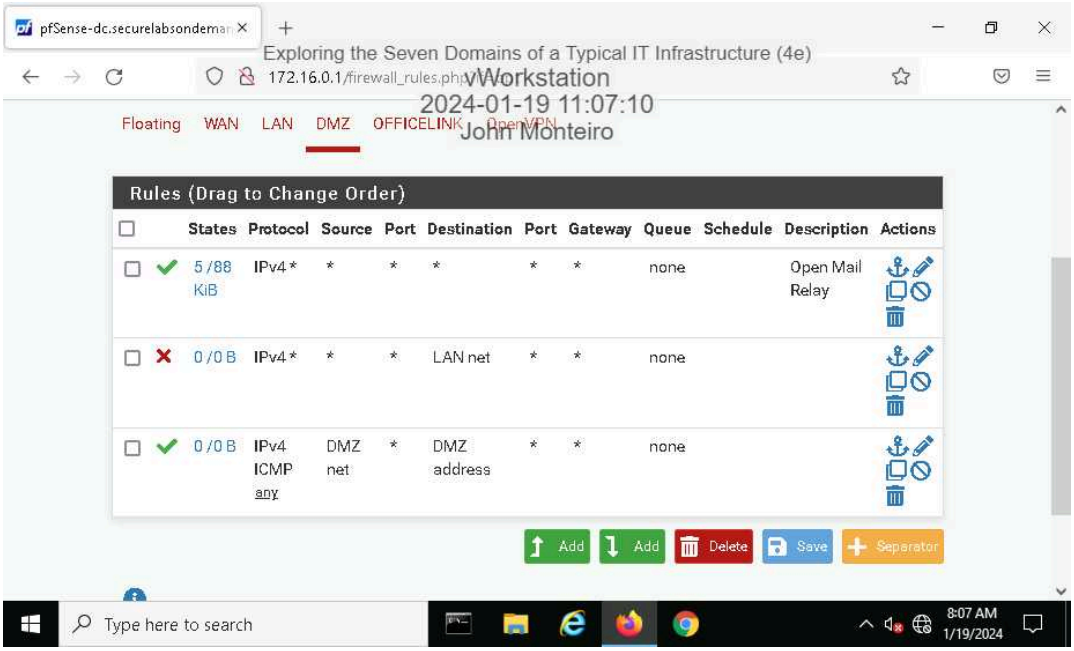
16. **Make a screen capture** showing the **result of your tracert to the pfsense-dc appliance**.



22. **Make a screen capture** showing the **Port Forward rules for the web server**.



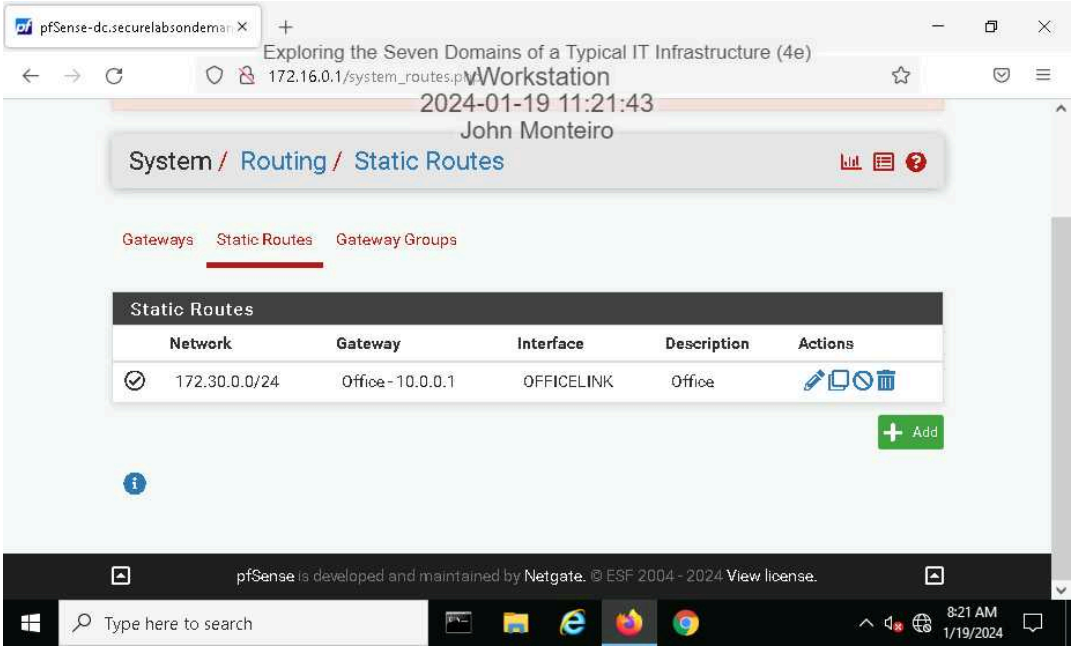
25. **Make a screen capture** showing the **DMZ firewall rules**.



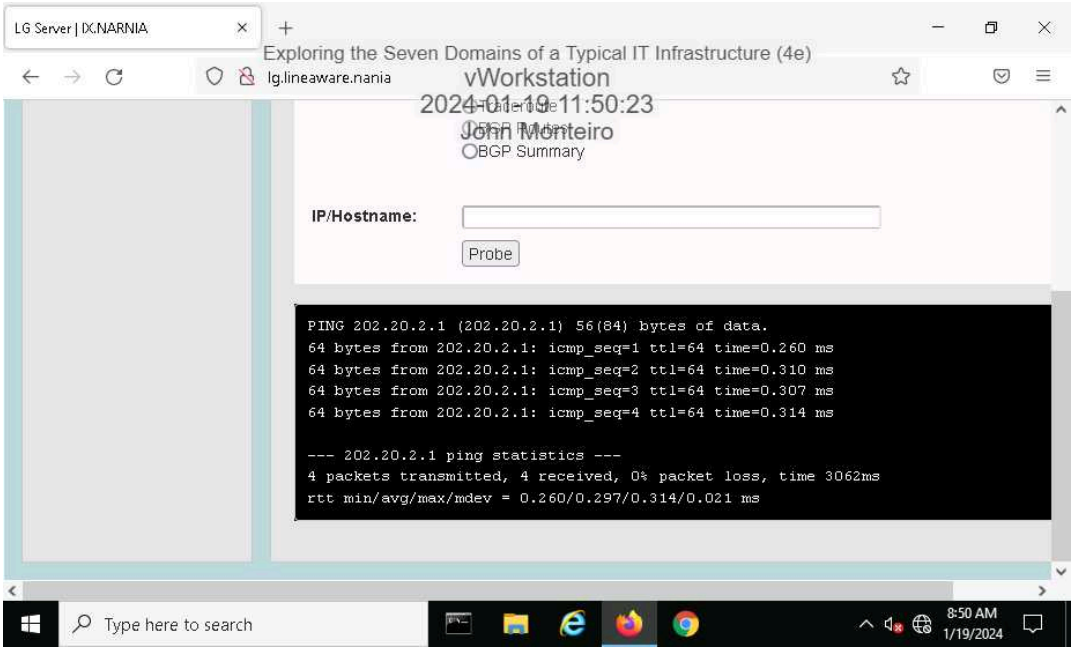
Section 2: Applied Learning

Part 1: Explore the WAN Domain

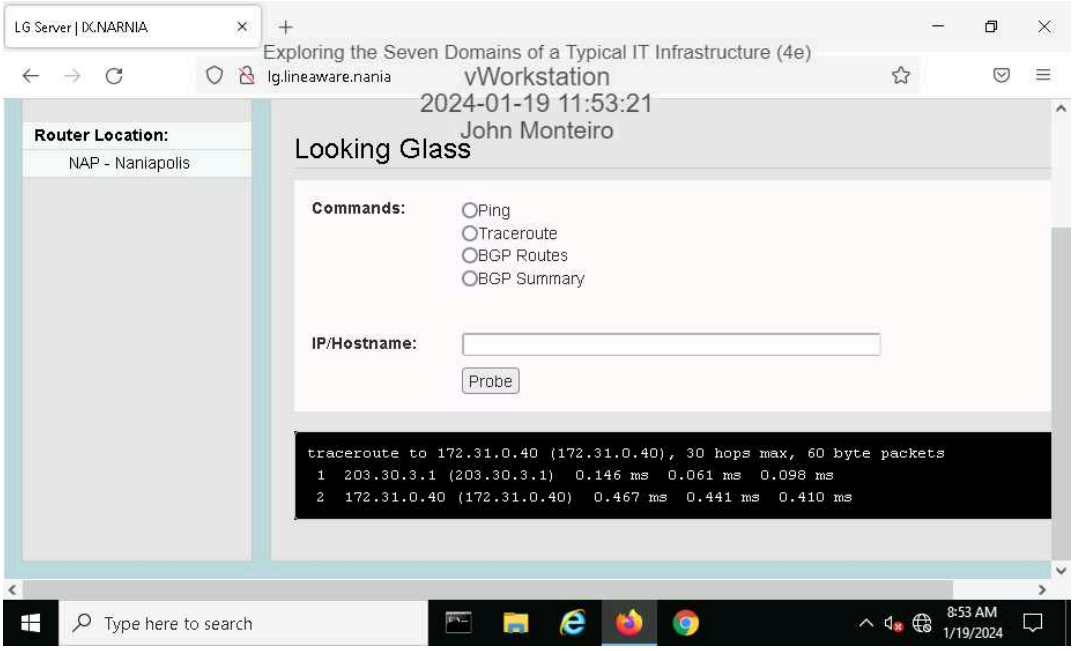
5. **Make a screen capture** showing the **static route for the point-to-point connection**.



9. **Make a screen capture** showing the **BPG neighbor ping results**.

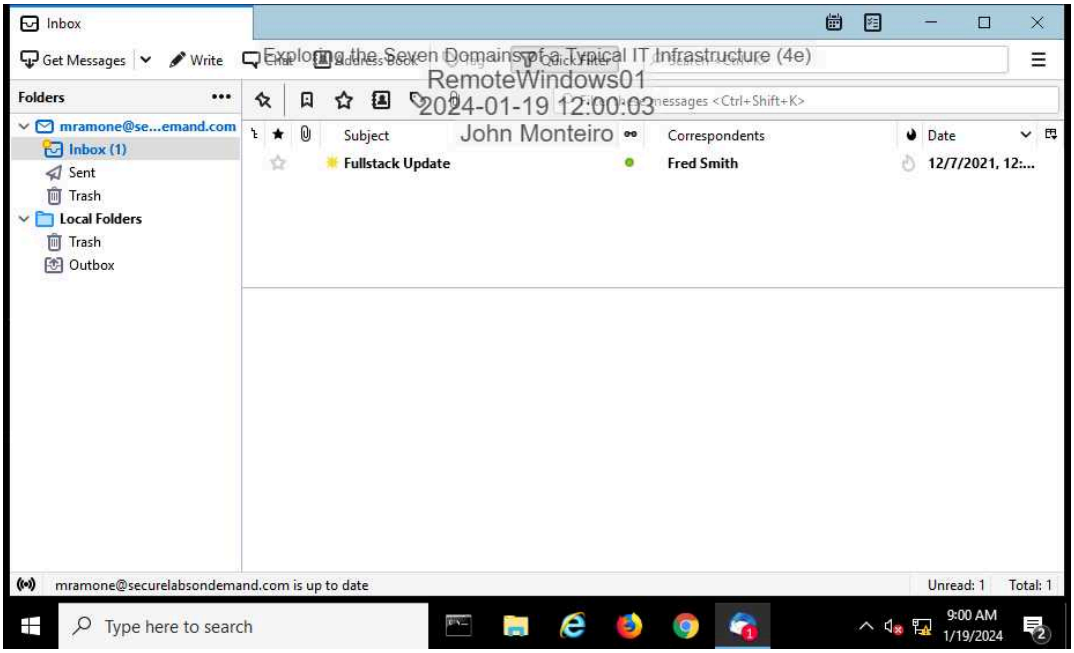


12. **Make a screen capture** showing the **traceroute to the file server**.



Part 2: Explore the Remote Access Domain

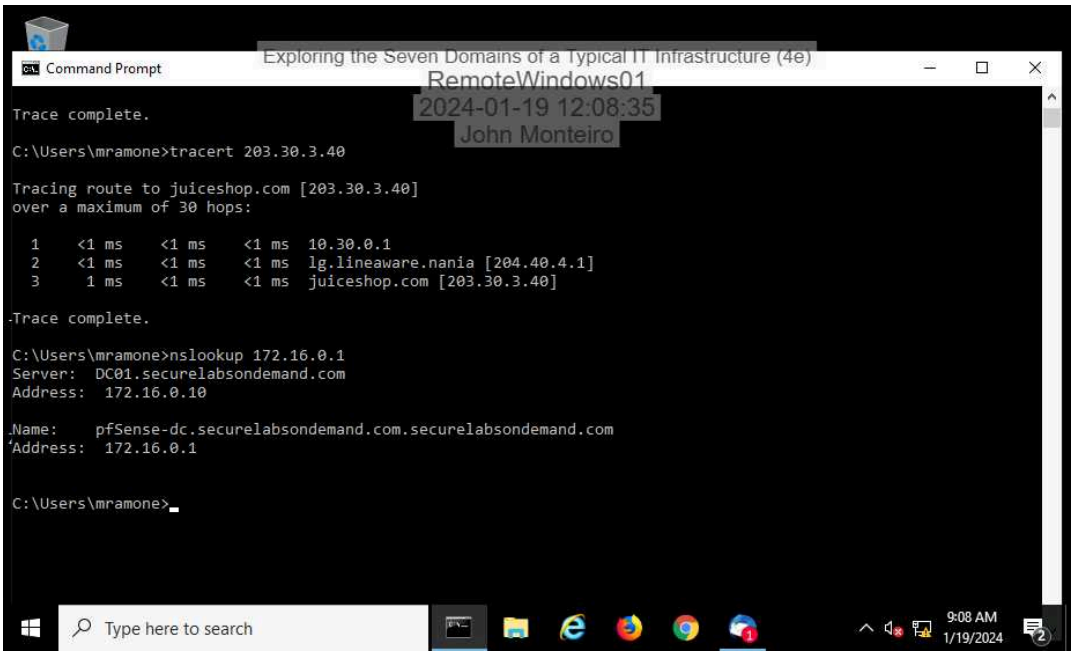
9. **Make a screen capture** showing the **successful connection to the email server**.



14. **Document** whether the VPN connection is split tunnel or full tunnel, based on the tracert results.

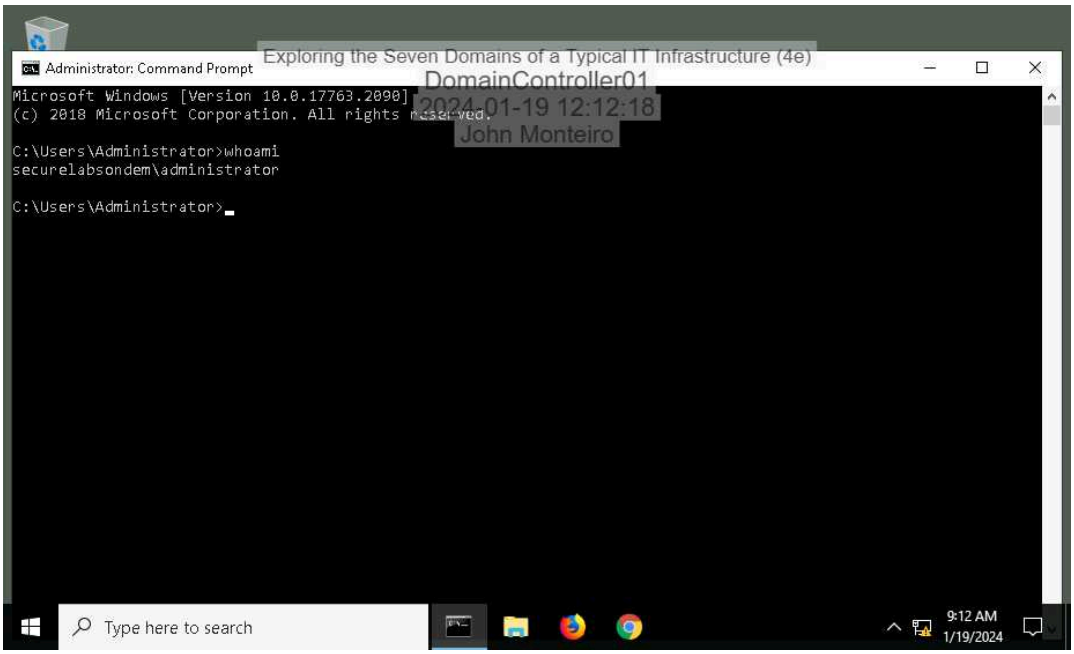
both split and full tunnel in use

16. **Make a screen capture** showing the **successful reverse DNS lookup for the internal host**.

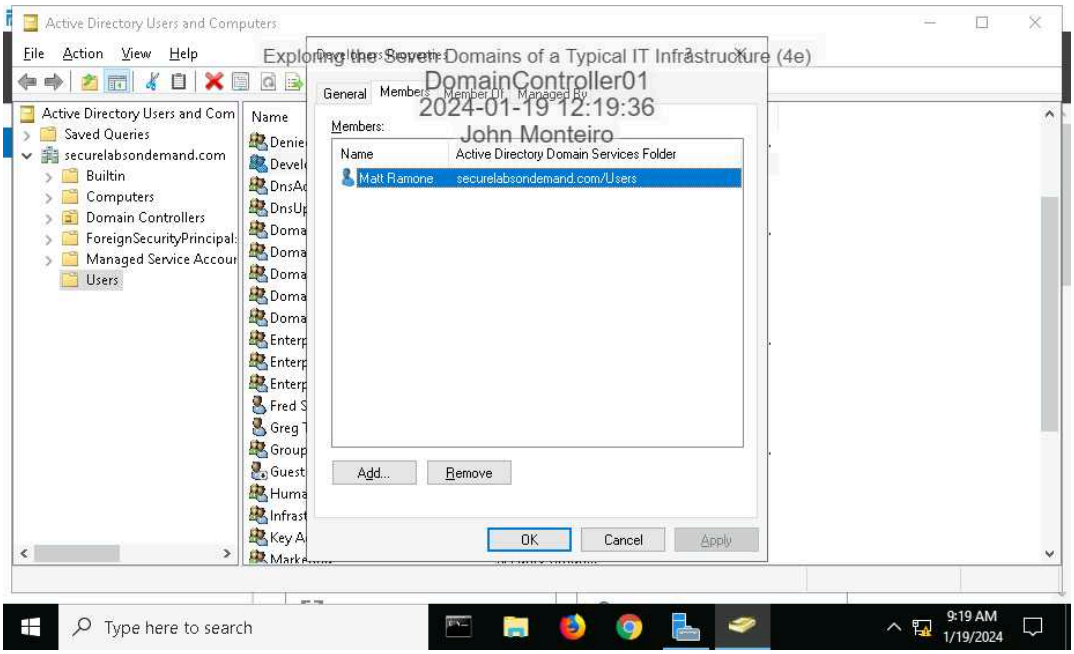


Part 3: Explore the System/Application Domain

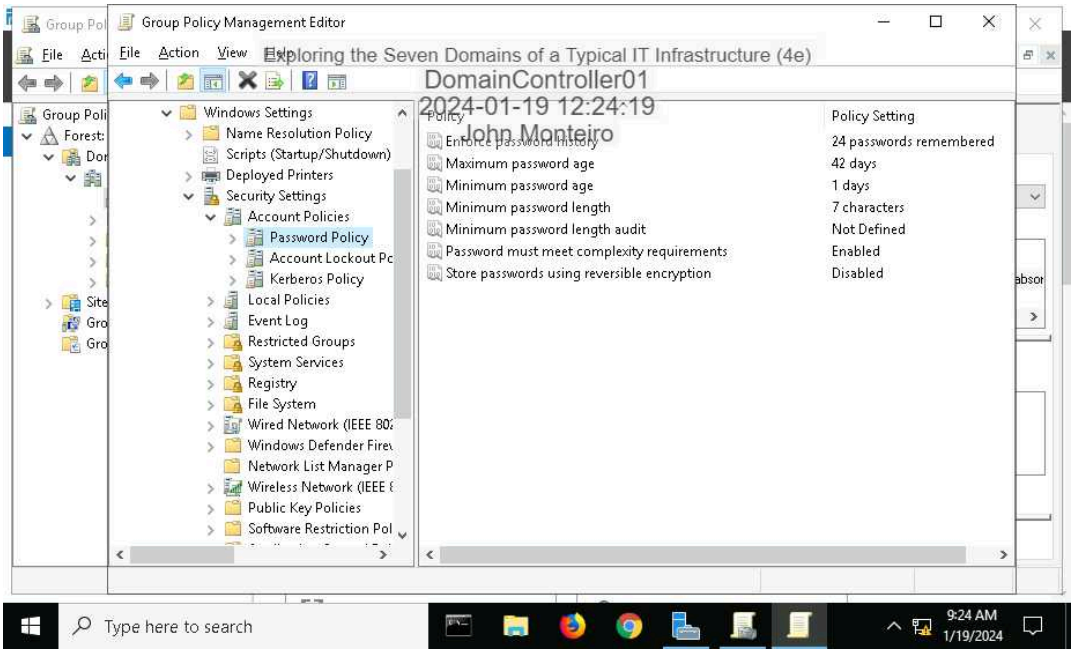
4. **Make a screen capture** showing the **whoami results**.



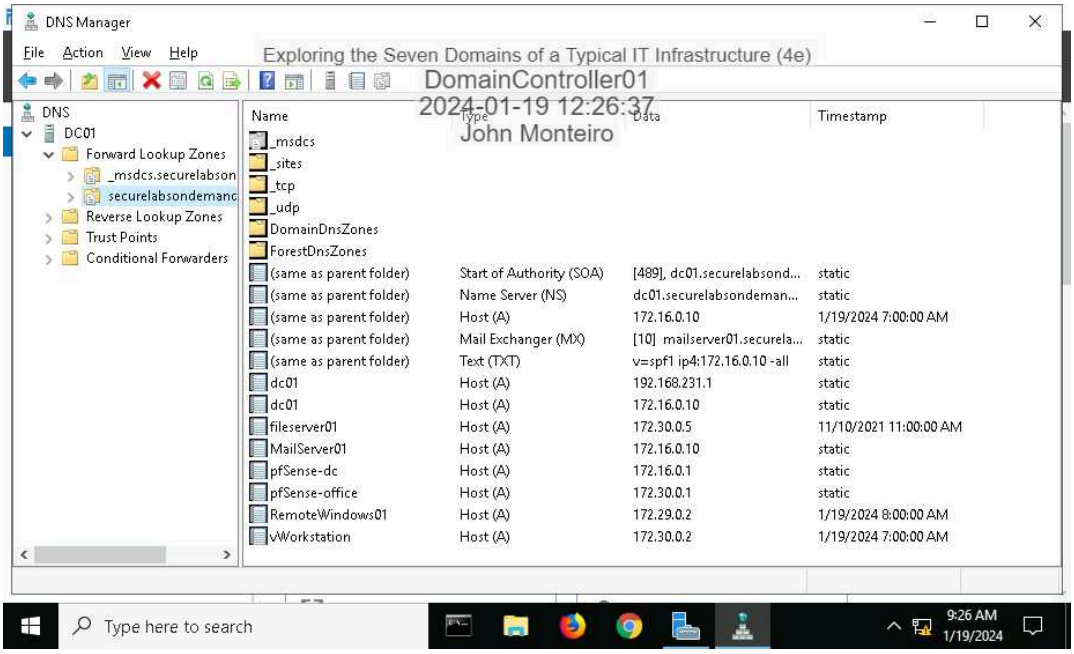
10. **Make a screen capture** showing the **members of the Developers AD group**.



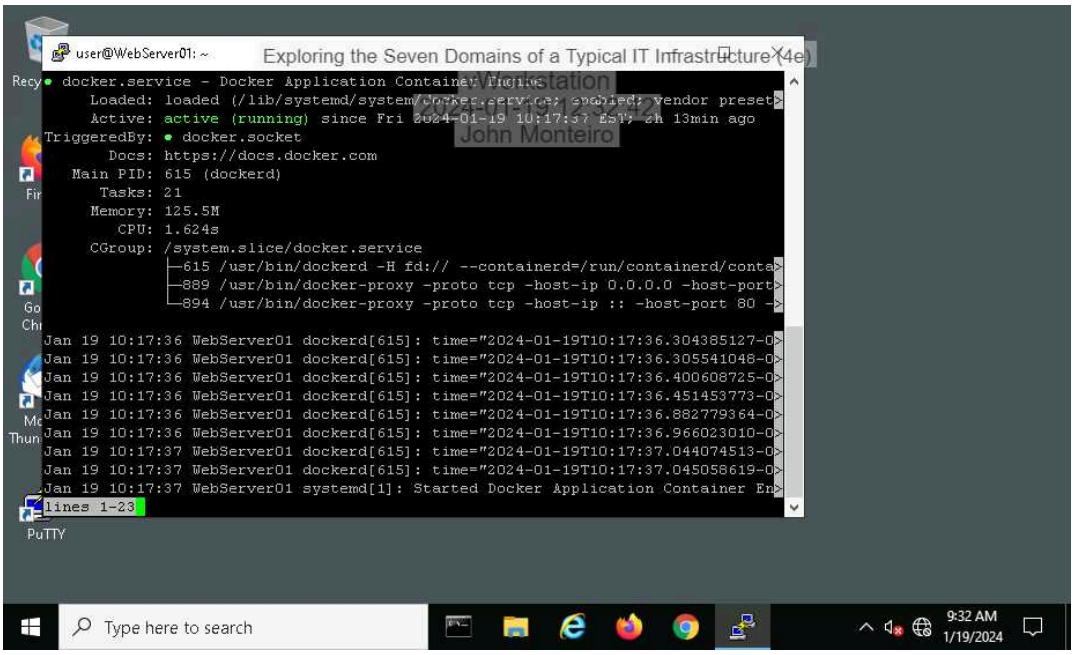
16. **Make a screen capture** showing the **password policy settings in the Group Policy Management Console**.



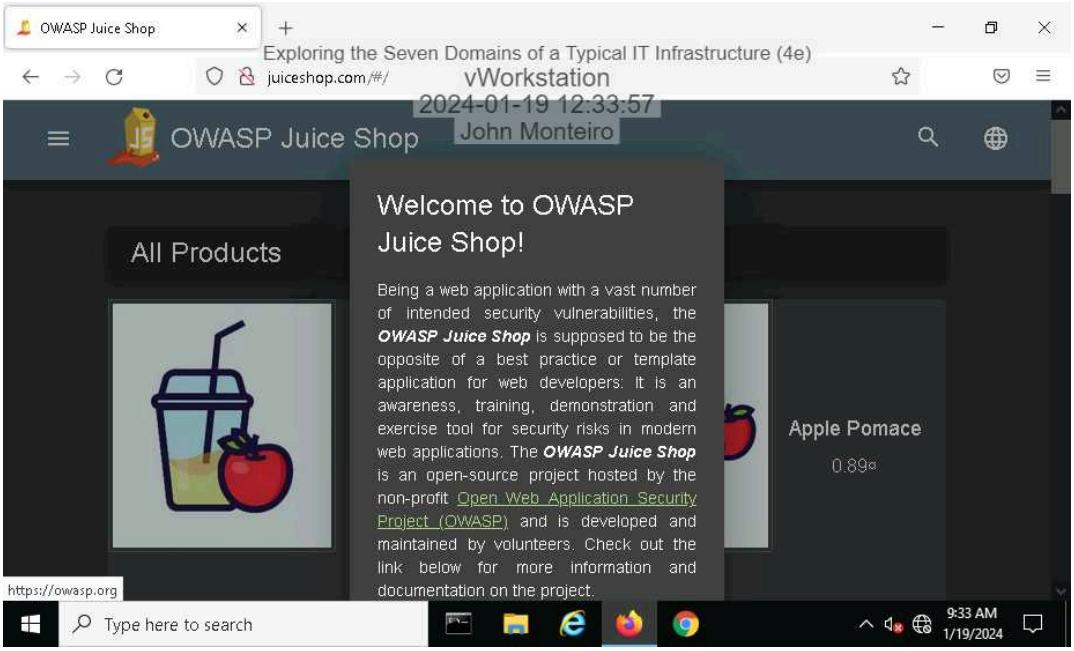
20. **Make a screen capture** showing the **DNS entries**.



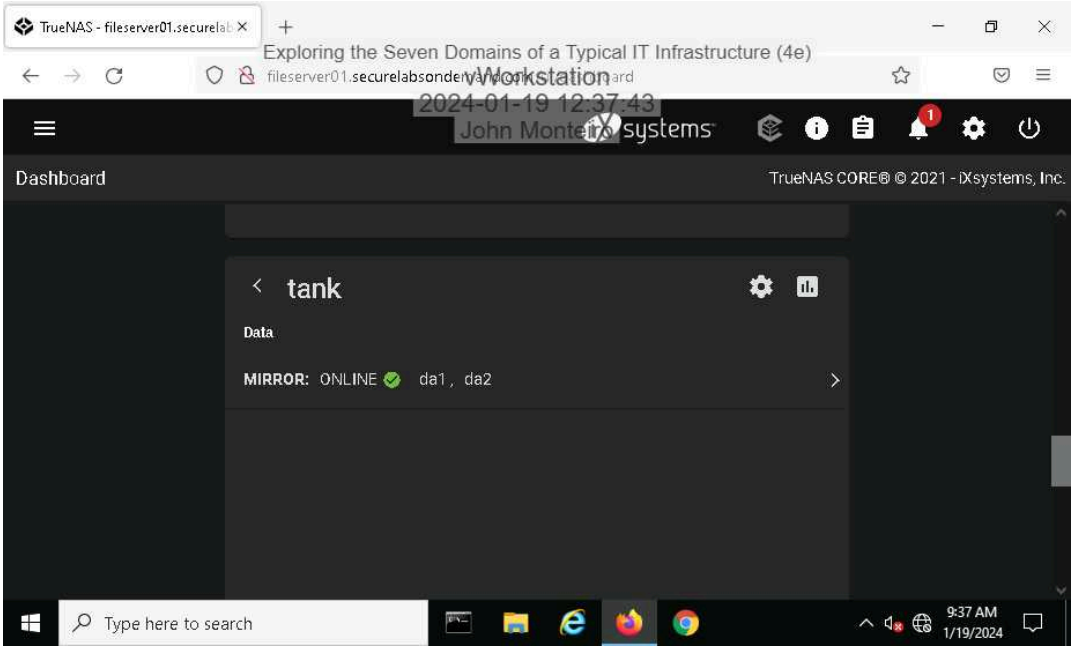
28. **Make a screen capture** showing the **Docker service status**.



31. **Make a screen capture** showing the **juiceshop.com web page**.



36. **Make a screen capture** showing the **disks in the tank volume**.



Section 3: Challenge and Analysis

Part 1: Explore the User Domain

Based on your research, **identify** at least **two compelling threats** to the User Domain and **two effective security controls** used to protect it. Be sure to cite your sources.

Two compelling threats to the User Domain that I found in my research are Susceptibility to Social Engineering & Unlocked Domains. To protect the User Domain two controls include Registry Locks & Use of Updated Antivirus Software.

Sources: What are three risks and threats of the user domain? – Divya Aradhya
How to protect your organization's domain from security threats | TechRepublic

1. **Susceptibility to Social Engineering**: Users are vulnerable to being socially engineered into letting malware and threat actors into the system. Phishing, vishing, whaling, pharming, spoofing, and impersonation are various ways a user could fall victim to hackers .
2. **Unlocked Domains**: Unlocked domains are susceptible to malicious tactics that can lead to unauthorized DNS changes and domain name hijacking .

To protect the User Domain, effective security controls are crucial. Two such controls include:

1. **Registry Locks**: Registry locks prevent domain name hijacking and unauthorized changes to the DNS .
2. **Use of Updated Antivirus Software**: Updated antivirus software can inspect encrypted traffic for hidden malware and phishing attempts .

Part 2: Research Additional Security Controls

Based on your research, **identify** security controls that could be implemented in the Workstation, LAN, LAN-to-WAN, WAN, Remote Access, and System/Application Domains. **Recommend** and **explain** one security control for each domain. Be sure to cite your sources.

Some recommendations I found were the following: