

Hardening Windows Systems for Security Compliance (4e)

Security Strategies in Windows Platforms and Applications 4e - Lab 8

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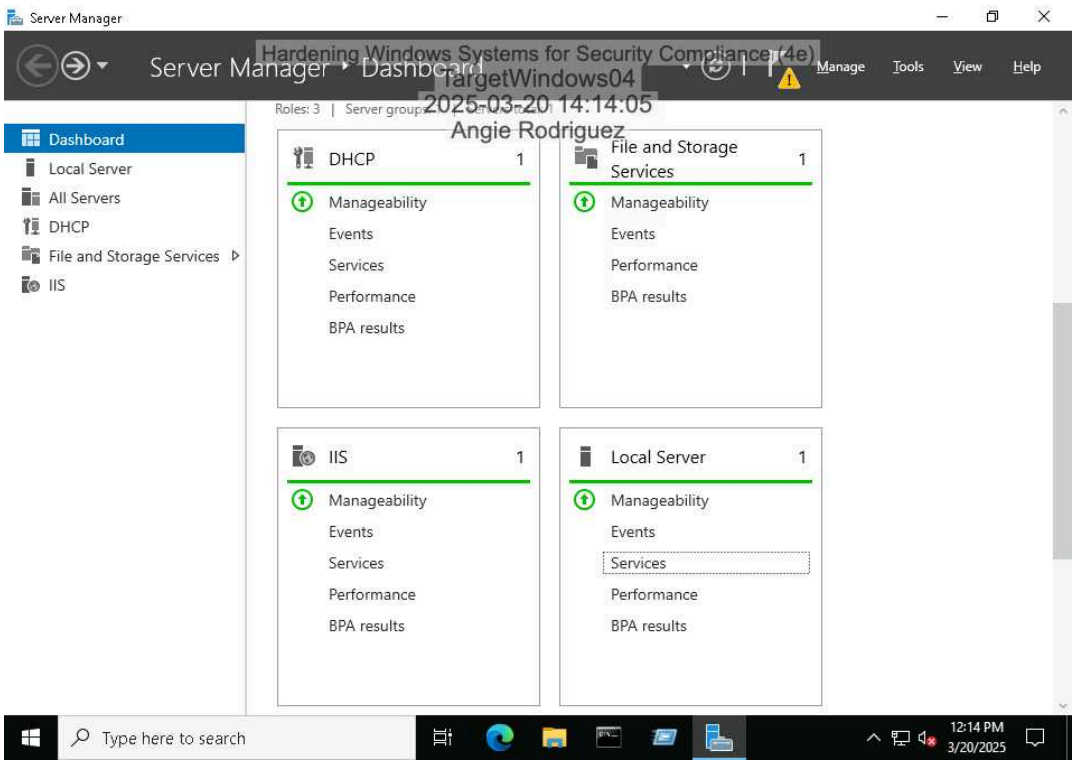
Time on Task:	Progress:
4 hours, 36 minutes	100%

Report Generated: Wednesday, April 9, 2025 at 10:14 PM

Section 1: Hands-On Demonstration

Part 1: Remove Unnecessary Server Roles

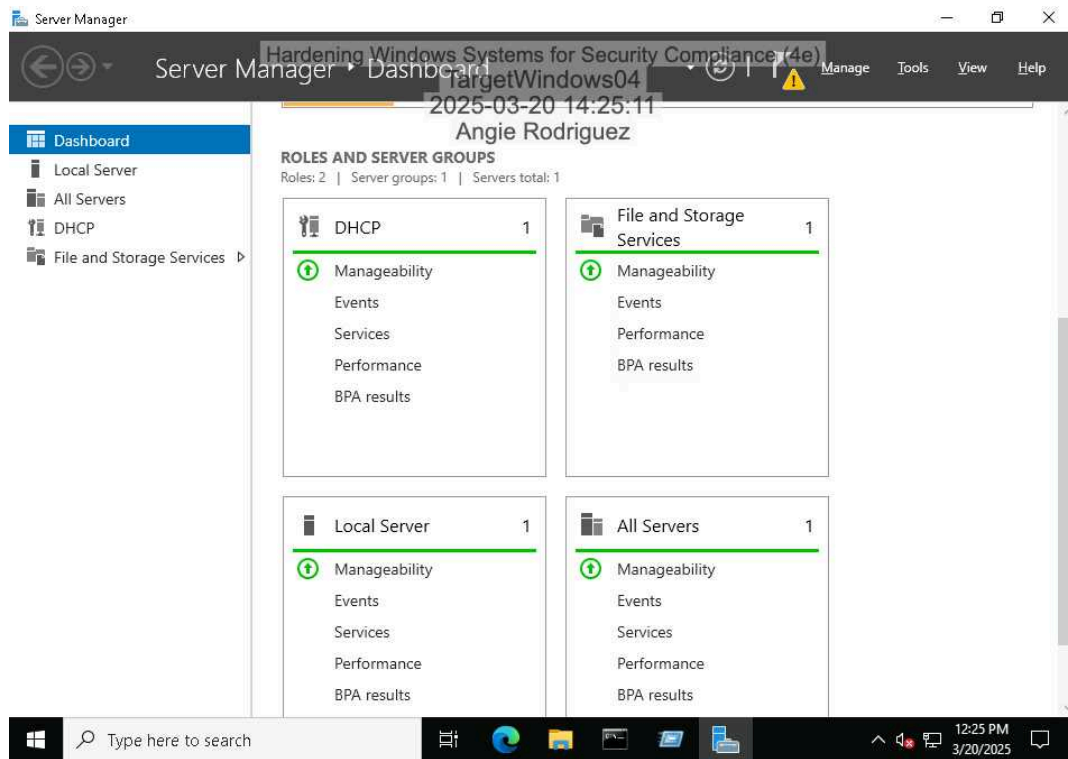
3. Make a screen capture showing the **current Roles and Server Groups**.



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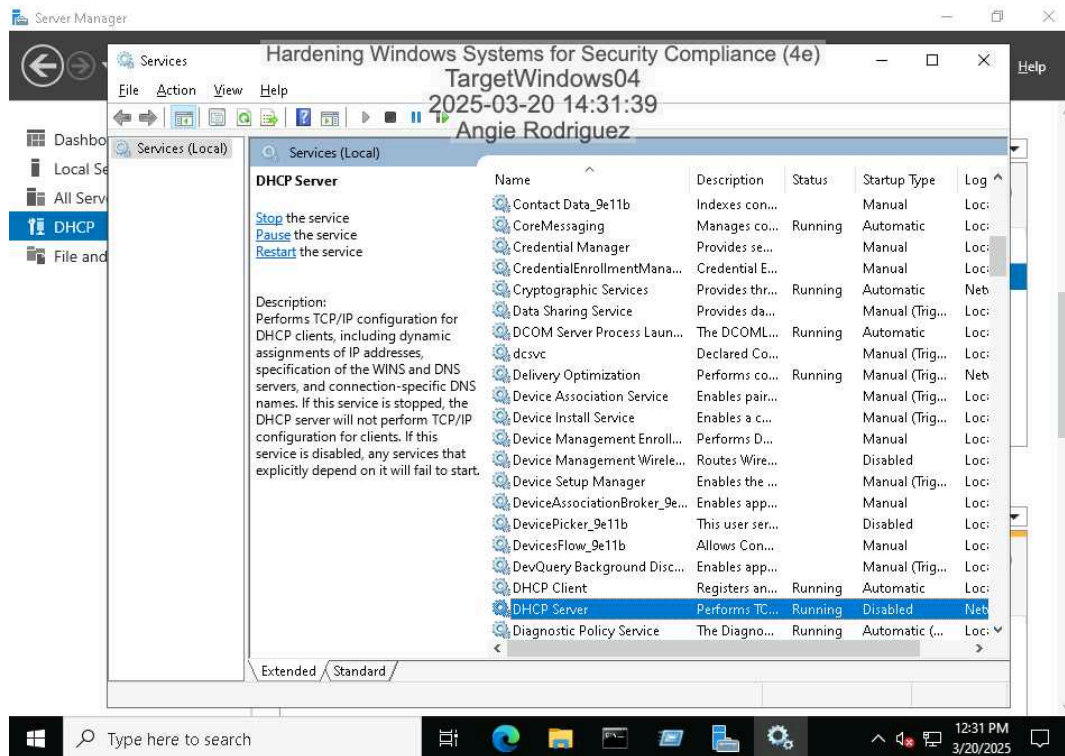
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15. Make a screen capture showing the **updated Roles and Server Groups**.



Part 2: Disable Unnecessary Services

8. Make a screen capture showing the disabled DHCP Server service.

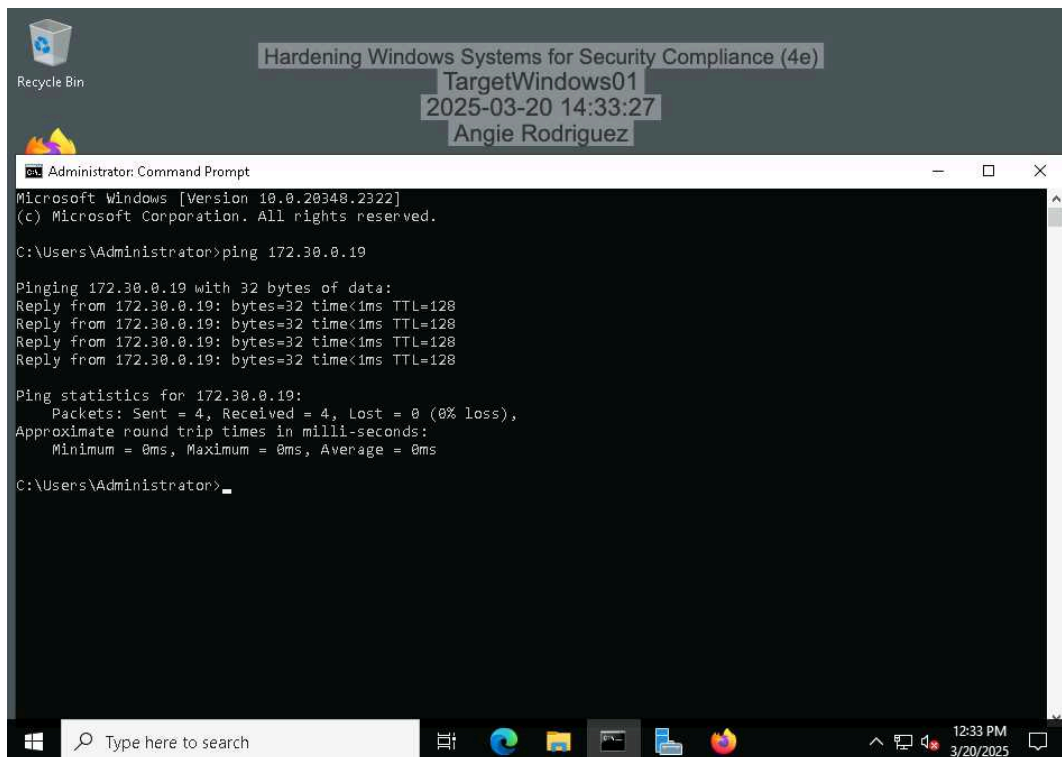


Part 3: Secure Windows Defender Firewall

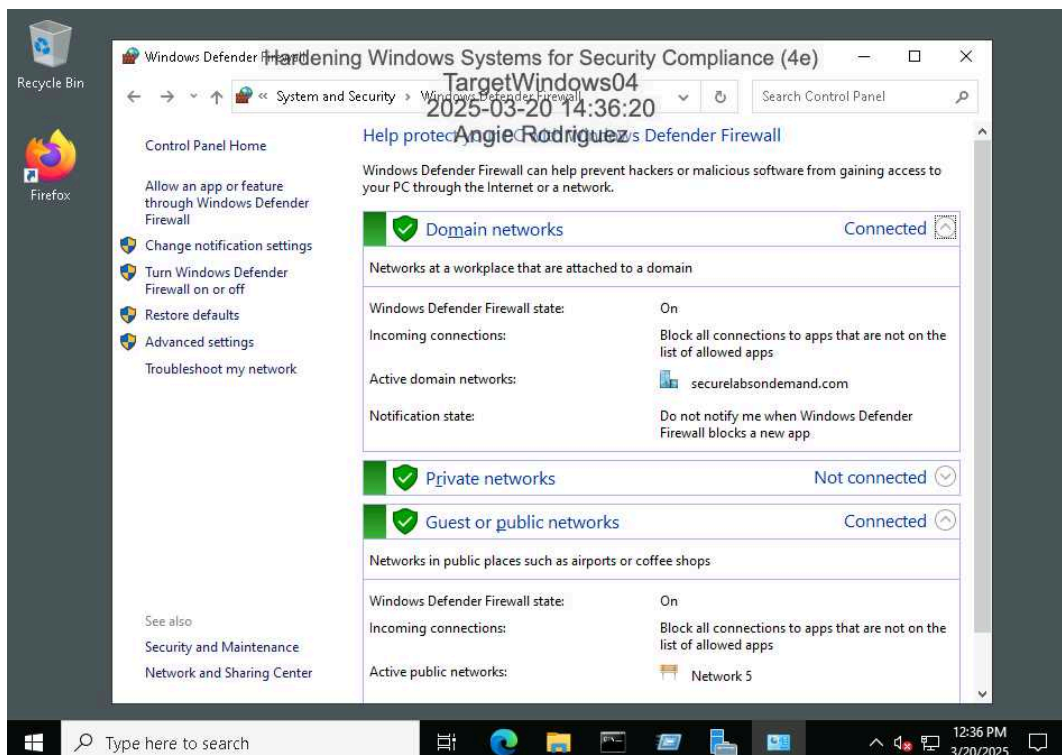
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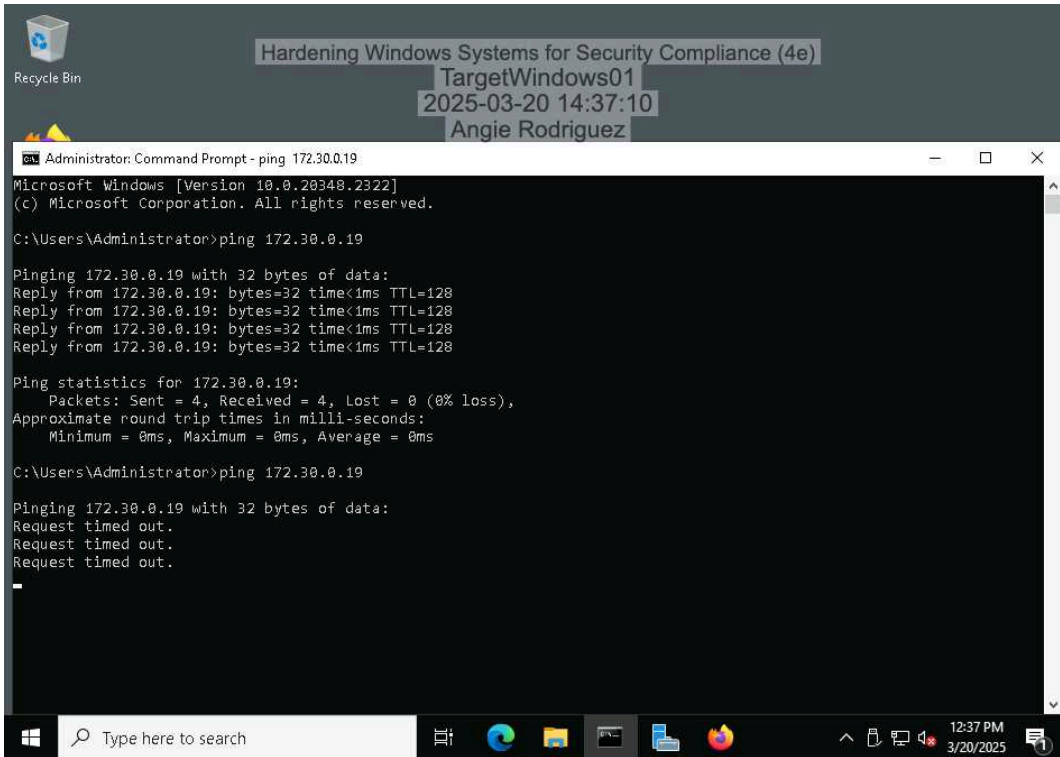
4. Make a screen capture showing the results of the first ping test on TargetWindows01.



15. Make a screen capture showing the enabled Windows Firewall for all three profiles.



19. **Make a screen capture** showing the **results of the second Ping test.**



The screenshot shows a Windows desktop with a taskbar at the bottom. The taskbar includes the Start button, a search bar with the text "Type here to search", and several application icons. The system tray on the right shows the time as 12:37 PM on 3/20/2025. A Command Prompt window is open, displaying the results of a ping test to 172.30.0.19. The window title is "Administrator: Command Prompt - ping 172.30.0.19". The output shows that the first ping test was successful, with four replies received. The second ping test, however, resulted in three "Request timed out" messages, indicating that the firewall rules blocked ICMP traffic.

```
Administrator: Command Prompt - ping 172.30.0.19
Microsoft Windows [Version 10.0.20348.2322]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Administrator>ping 172.30.0.19

Pinging 172.30.0.19 with 32 bytes of data:
Reply from 172.30.0.19: bytes=32 time<1ms TTL=128
Reply from 172.30.0.19: bytes=32 time<1ms TTL=128
Reply from 172.30.0.19: bytes=32 time<1ms TTL=128
Reply from 172.30.0.19: bytes=32 time<1ms TTL=128

Ping statistics for 172.30.0.19:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\Users\Administrator>ping 172.30.0.19

Pinging 172.30.0.19 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.


```

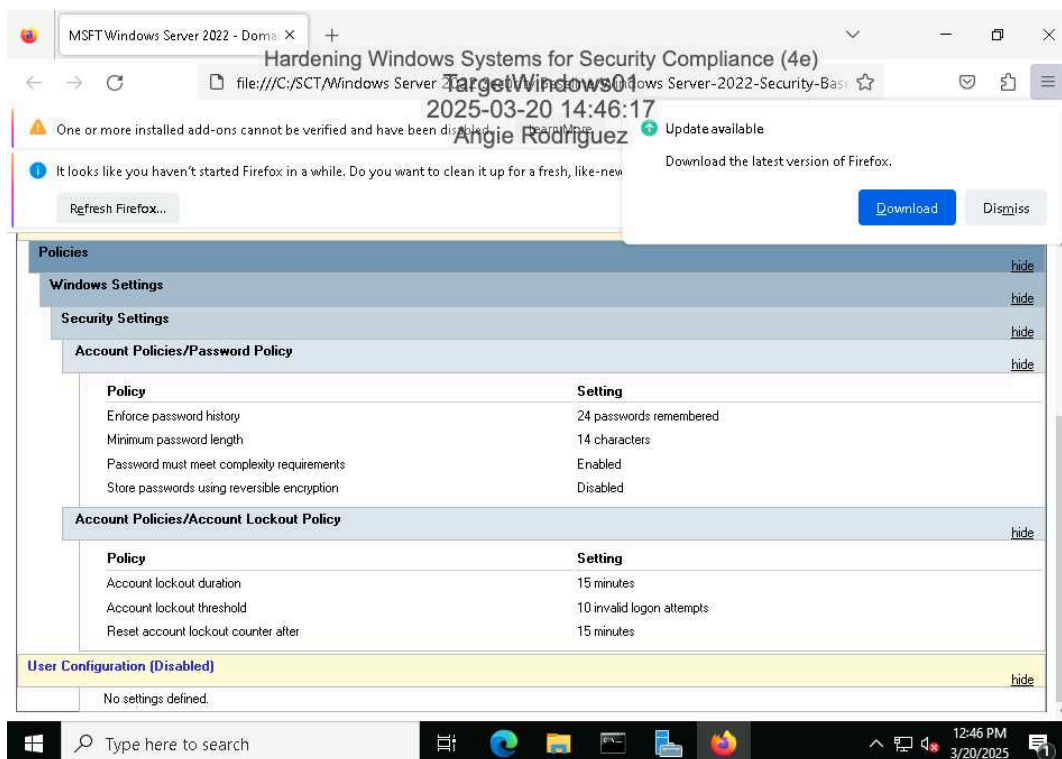
20. **Describe** how the firewall changes affected the results.

in the first ping ICMP(Internet control message protocol) requests were allowed, thats why we received responses. On the secondg ping, firewall rules blocked ICMP traffic, causing ping requests to time out.

Section 2: Applied Learning

Part 1: Apply Windows Security Baselines

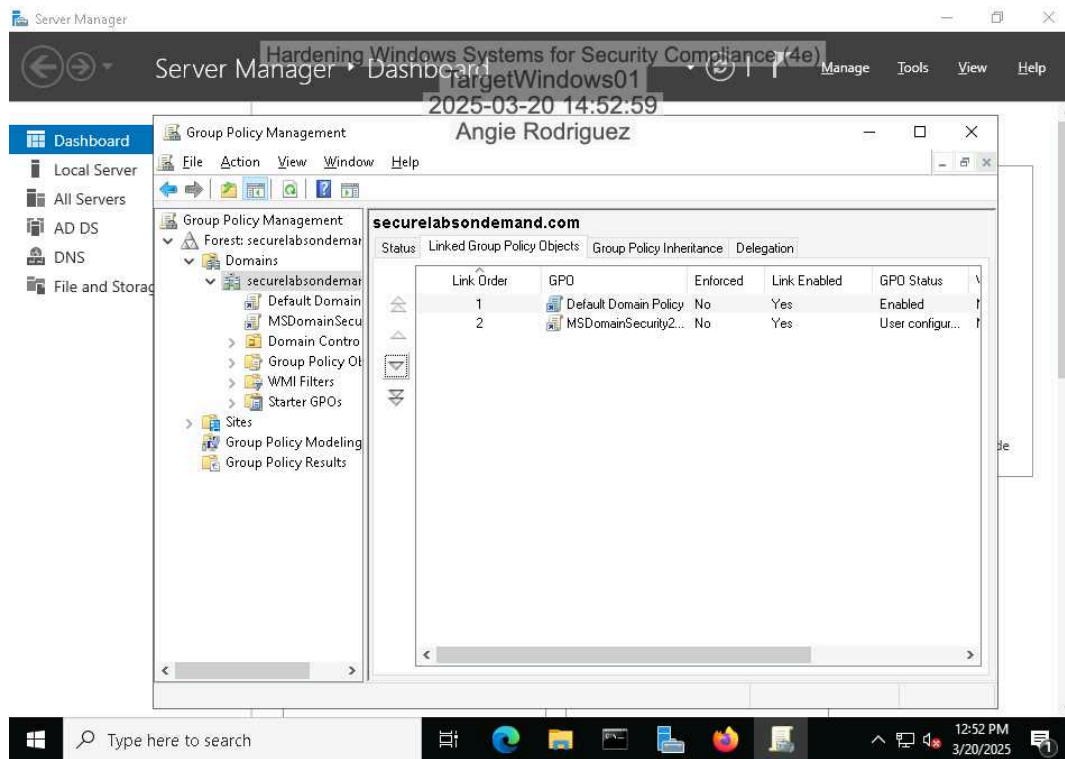
5. Make a screen capture showing Microsoft's recommended Password and Account Lockout policy settings.



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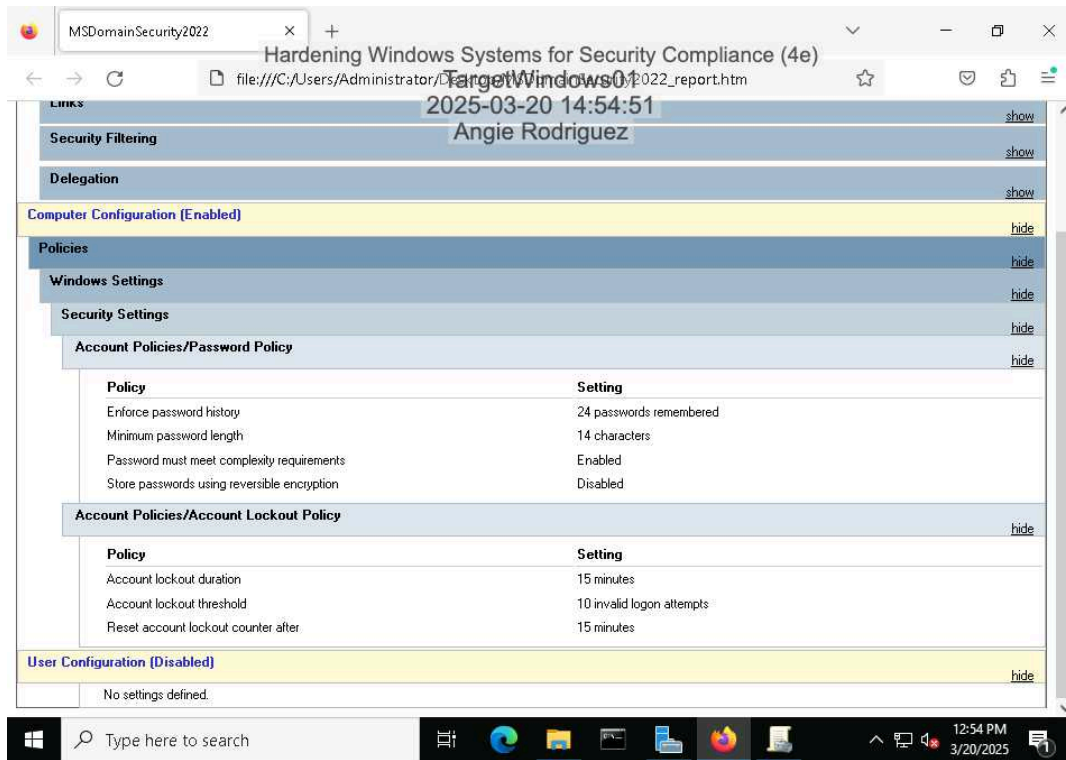
18. Make a screen capture showing the **linked MSDomainSecurity2022** object.



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22. Make a screen capture showing the implemented Password and Account Lockout policy settings.

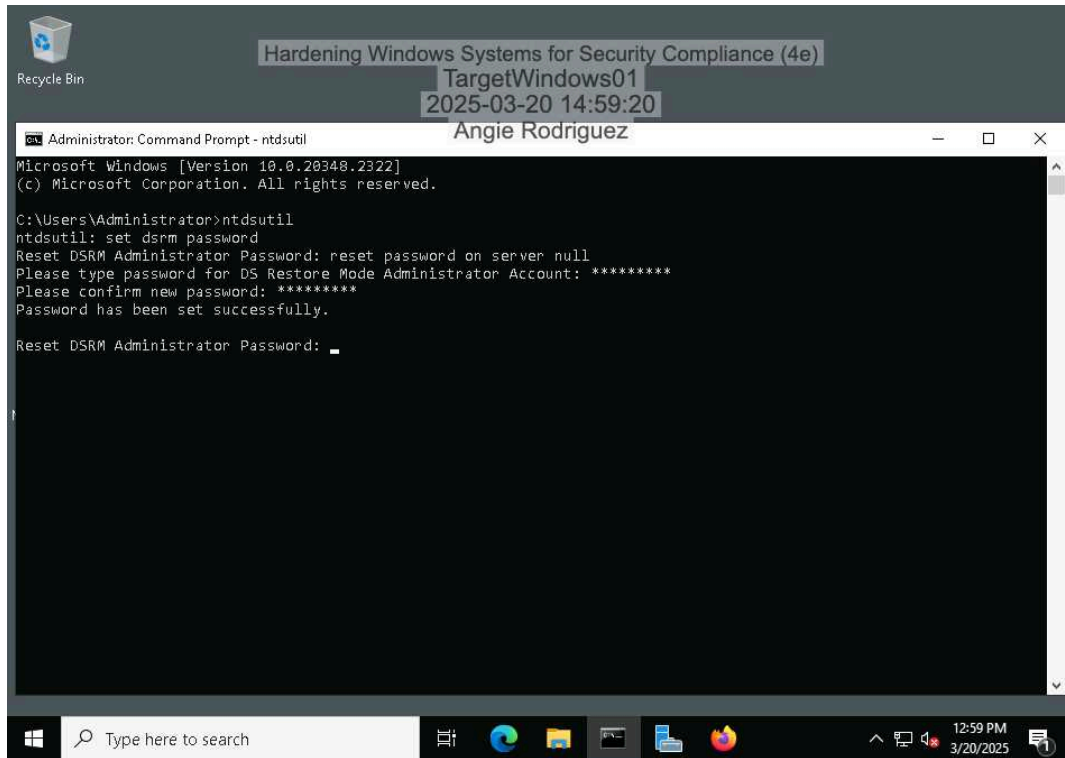


Part 2: Reset the DSRM Password

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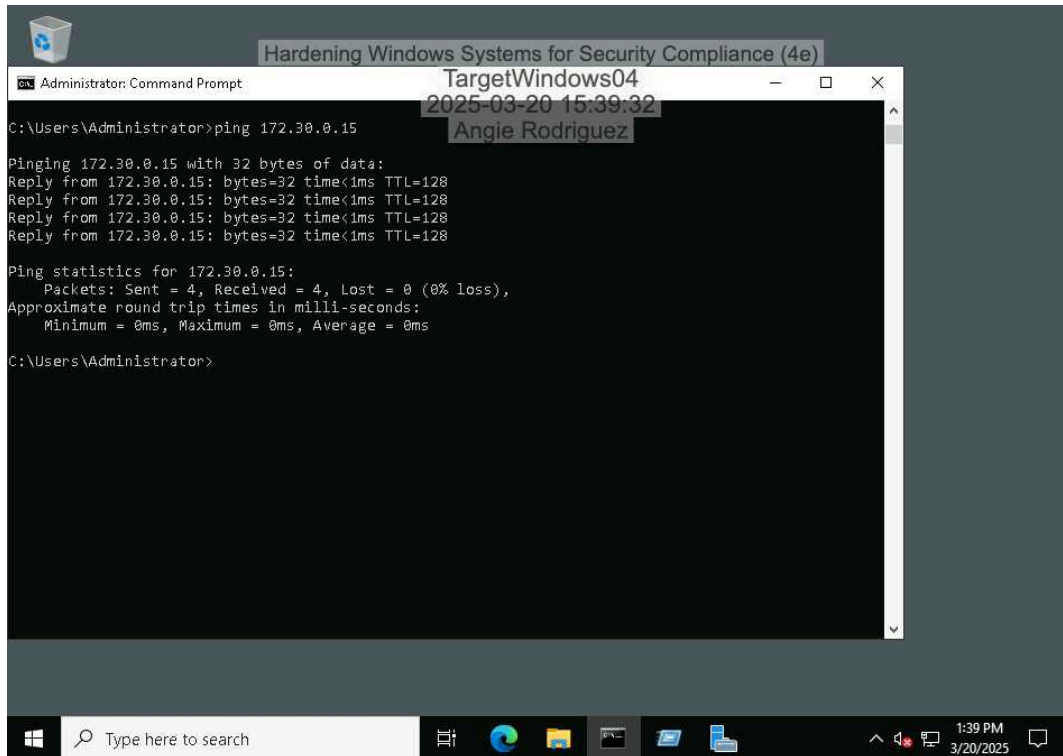
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7. Make a screen capture showing the **successful DSRM password change**.

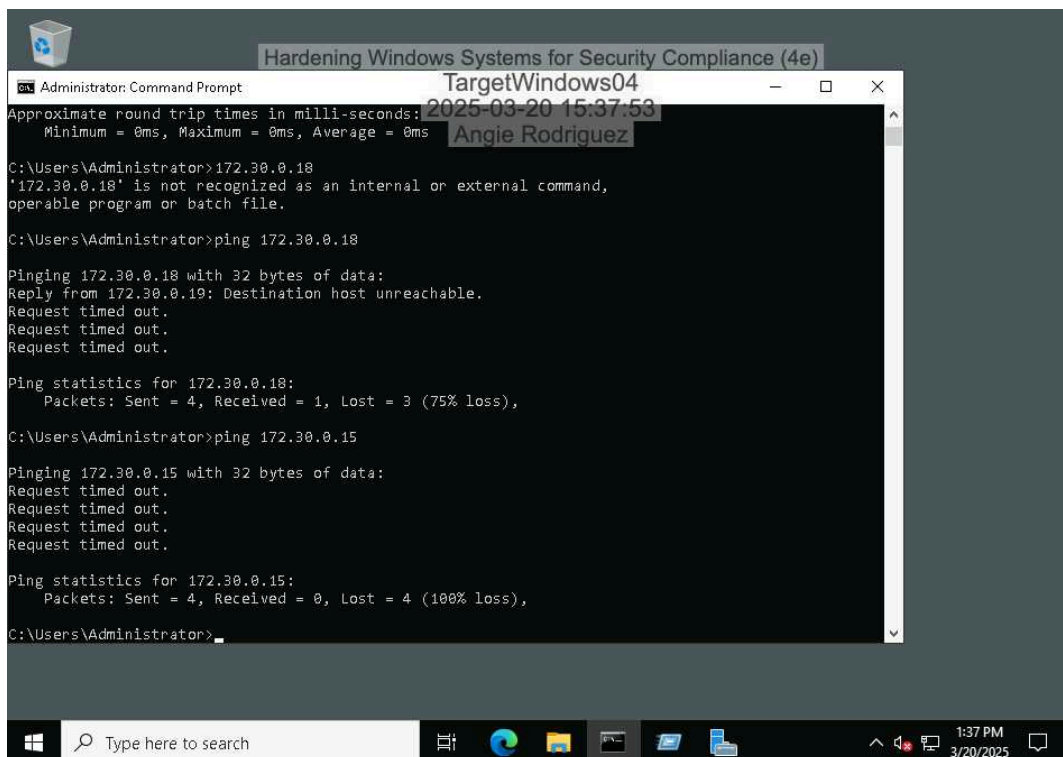


Part 3: Secure the Windows Defender Firewall

4. Make a screen capture showing the results of the first ping test on TargetWindows04.



17. Make a screen capture showing the results of the second ping test on TargetWindows04.



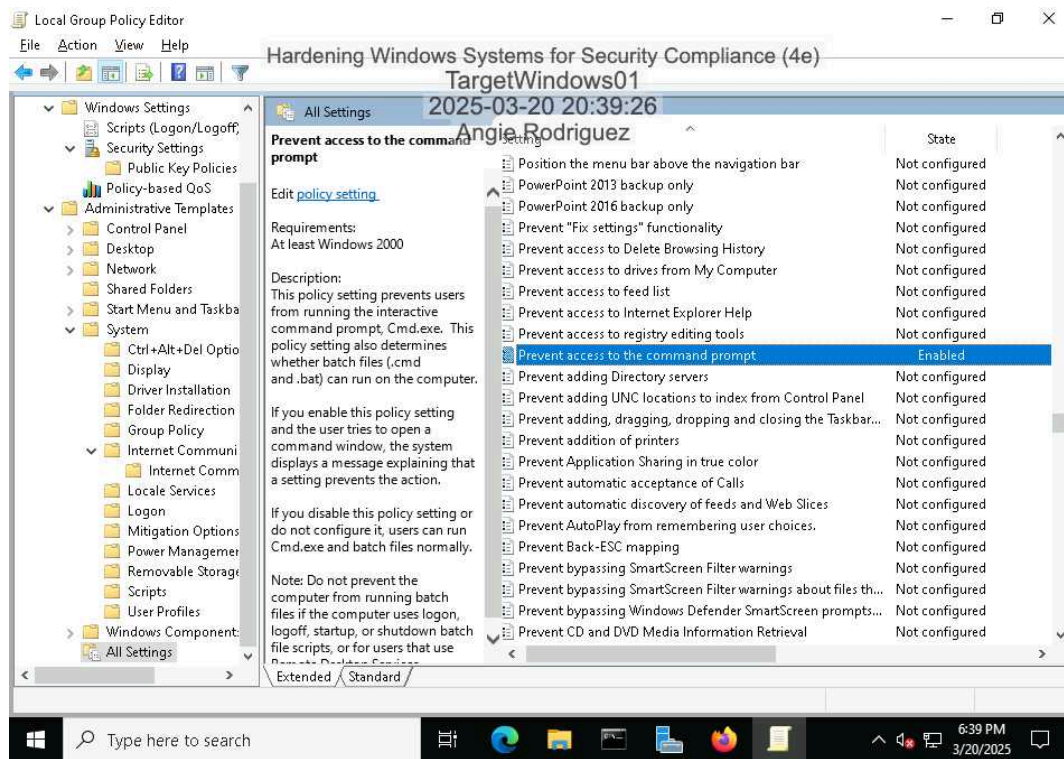
18. **Describe** how the firewall changes affected the results.

On the first ping, responses are allowed. on the second ping firewall blocks ICMP, request pings are timed out.

Section 3: Challenge and Analysis

Part 1: Prevent Access to the Command Prompt

Make a screen capture showing this feature enabled.

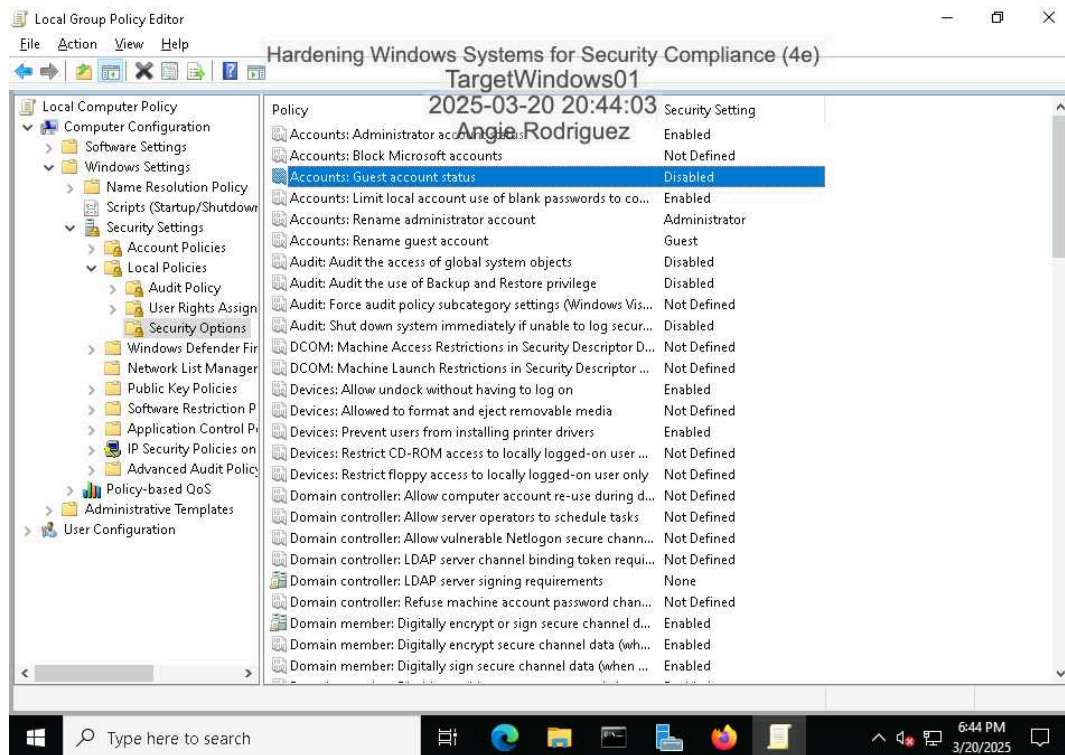


Part 2: Disable Guest Account Access

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Make a screen capture showing this feature enabled.



Part 3: Modify Maximum Password Age

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Make a screen capture showing maximum password age set to 100 days.

