

# Hardening Windows Systems for Security Compliance (3e)

Security Strategies in Windows Platforms and Applications, Third Edition - Lab 08

Student:

Jacob Jeffers

Email:

jjeffers6151@ucumberlands.edu

Time on Task:

8 hours, 30 minutes

Progress:

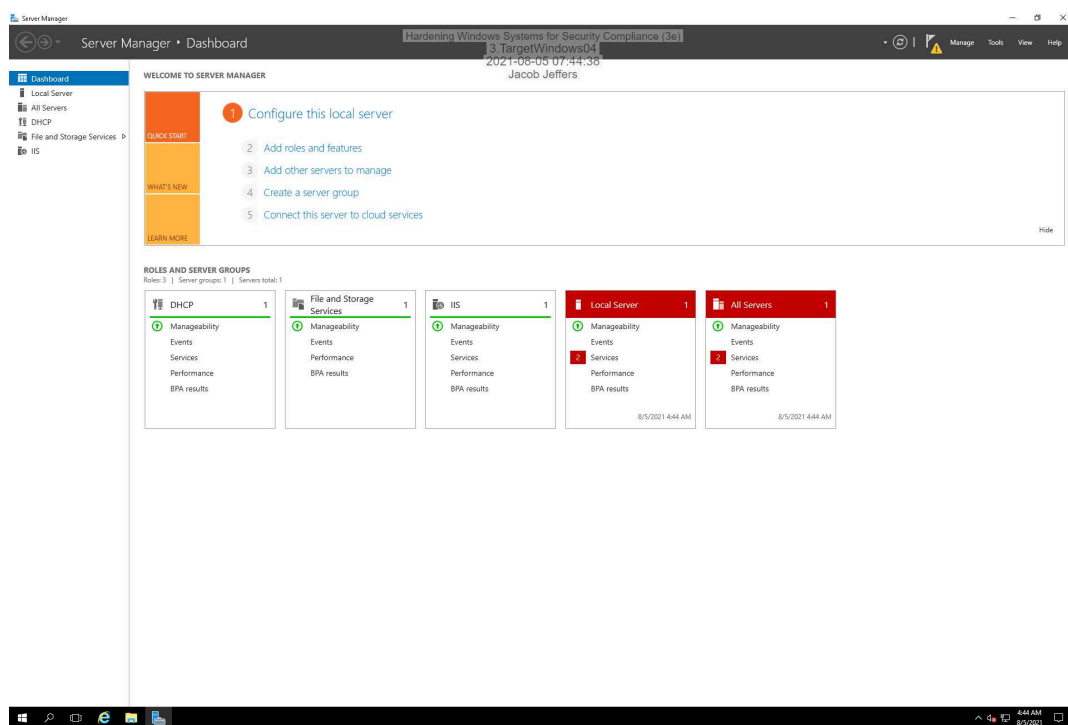
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Report Generated: Thursday, August 5, 2021 at 8:38 AM

## Section 1: Hands-On Demonstration

### Part 1: Remove Unnecessary Server Roles

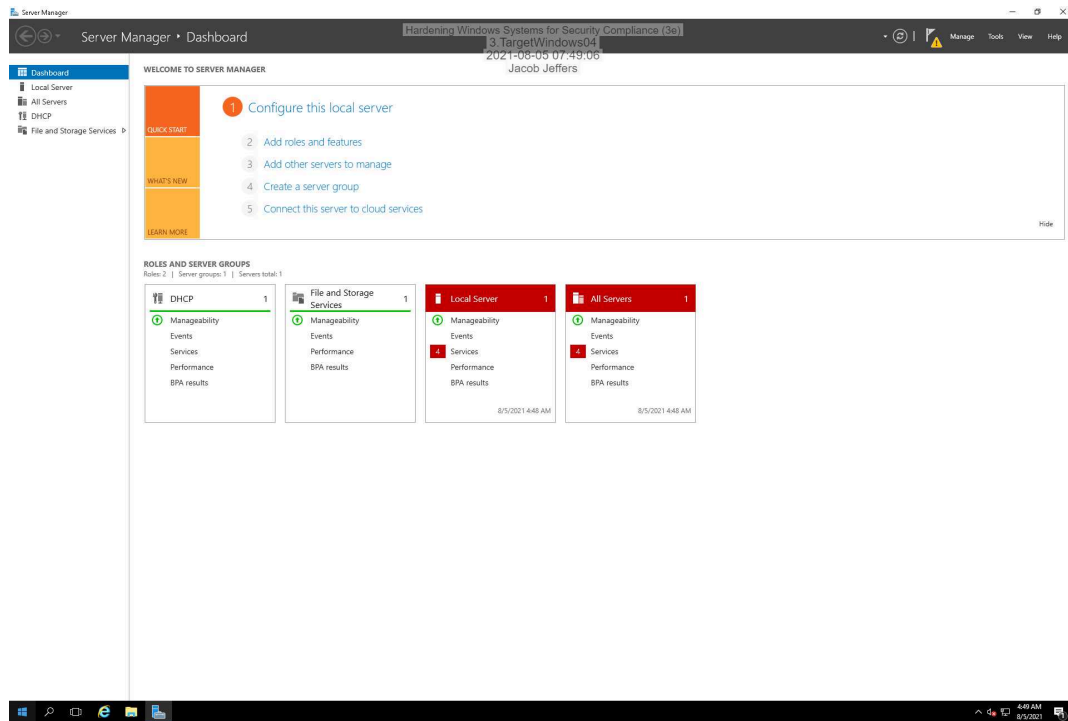
5. Make a screen capture showing the **current Roles and Server Groups**.



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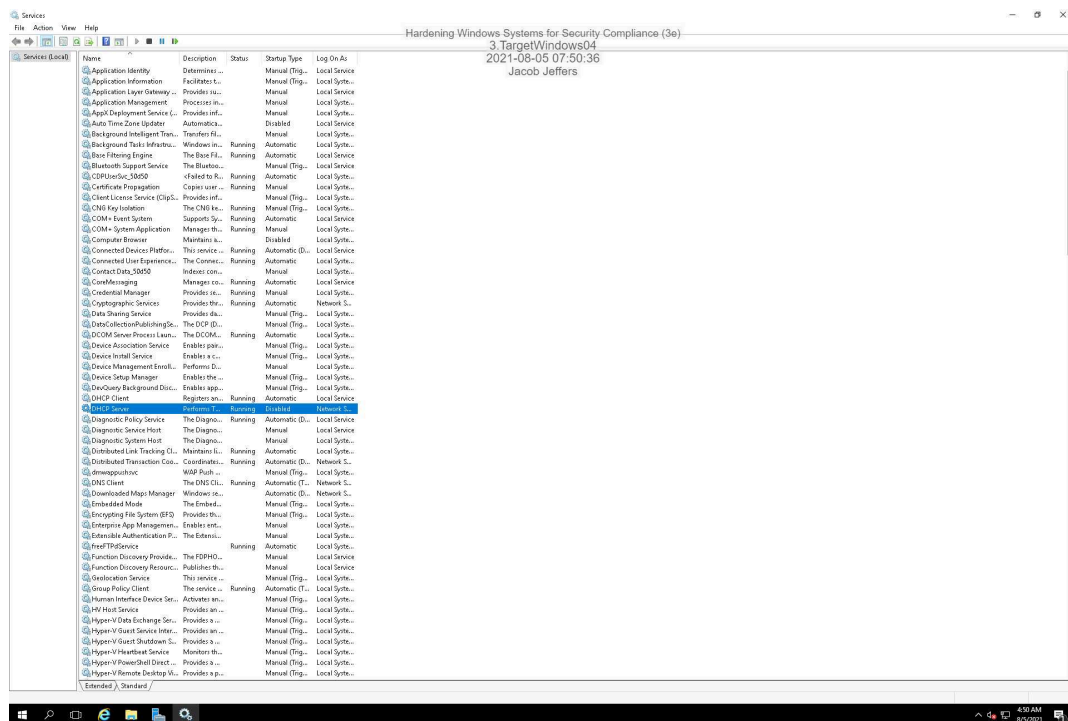
## Security Strategies in Windows Platforms and Applications, Third Edition - Lab 08

### 17. Make a screen capture showing the updated Roles and Server Groups.



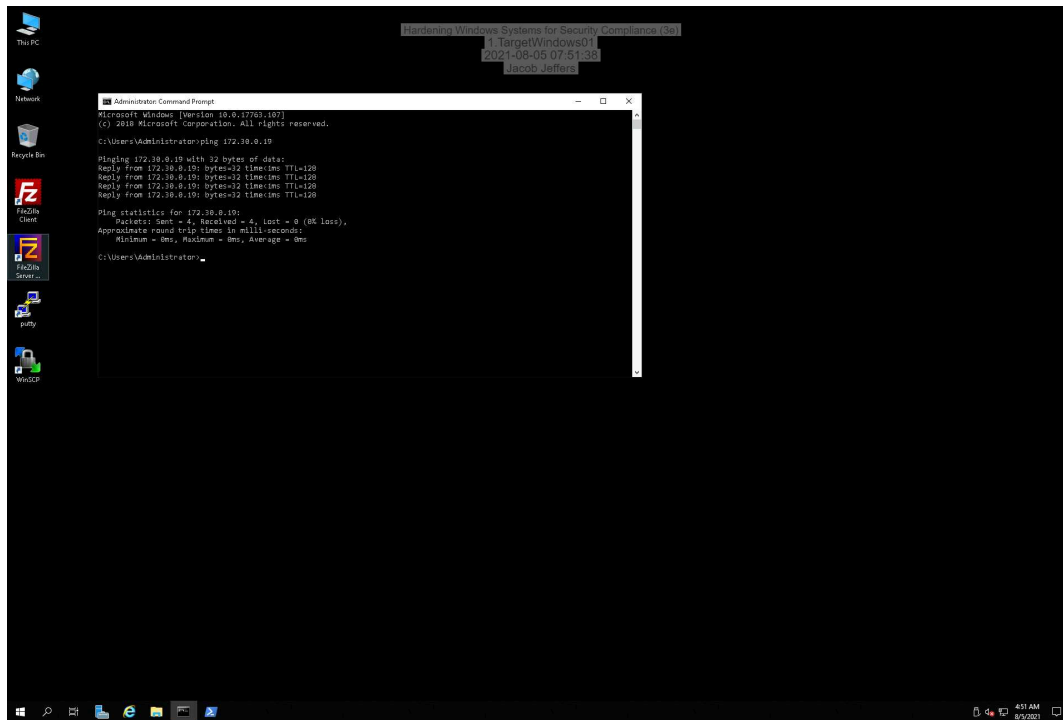
## Part 2: Disable Unnecessary Services

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

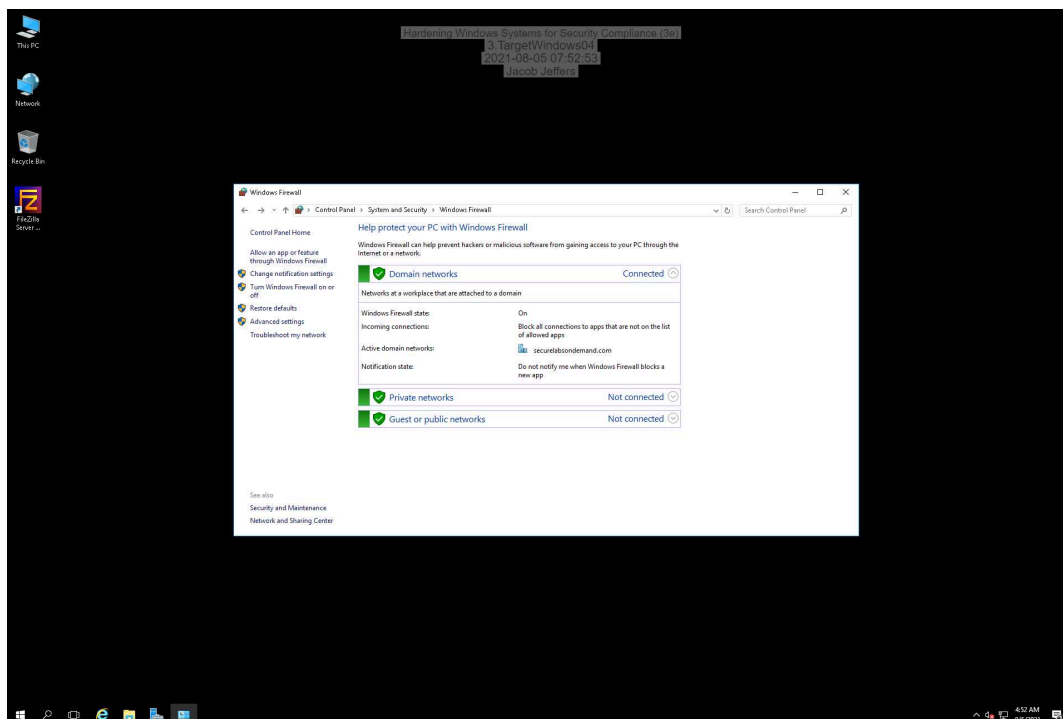


### Part 3: Secure the Windows Firewall

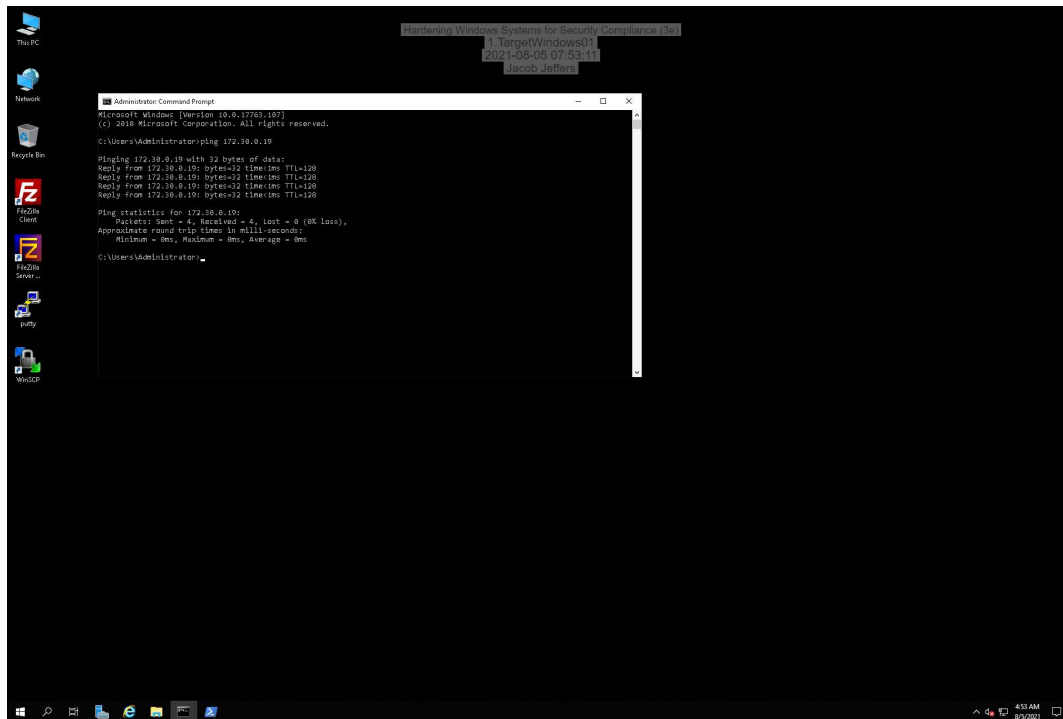
4. Make a screen capture showing the results of the first ping test on TargetWindows01.



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.**



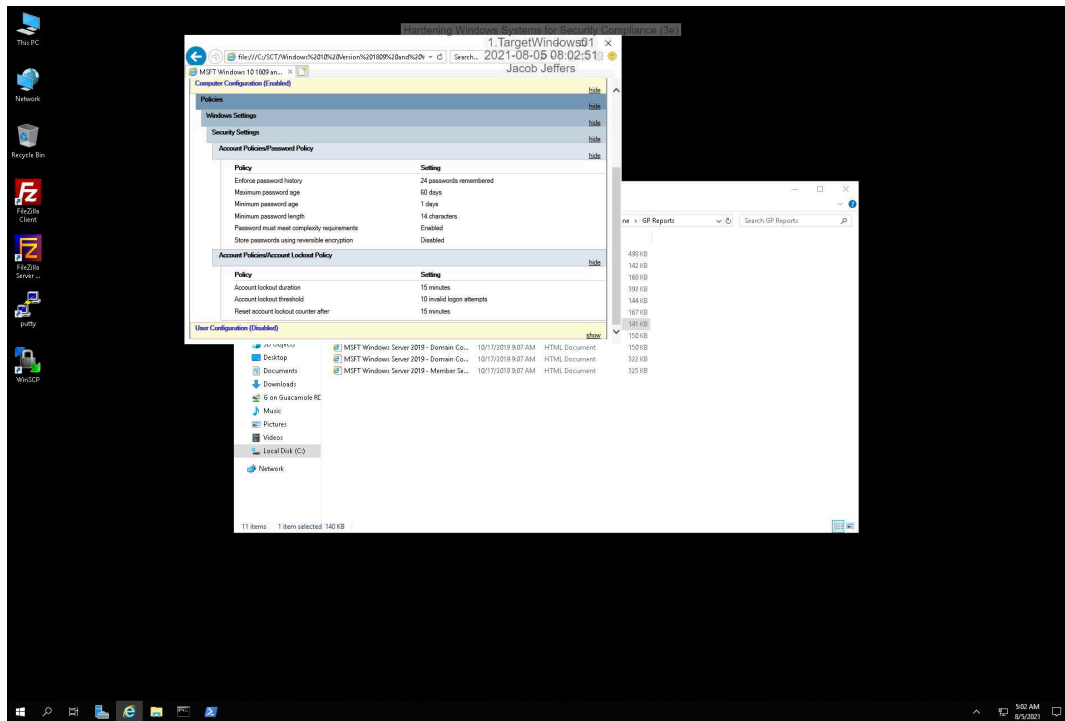
20. **Describe** how the firewall changes affected the results.

The firewall on TargetWindows04 blocks ICMP traffic, and since the ping function utilizes ICMP, this disabled anyone from pinging our server. This is a great way to harden the system to prevent DDoS attacks utilizing ping.

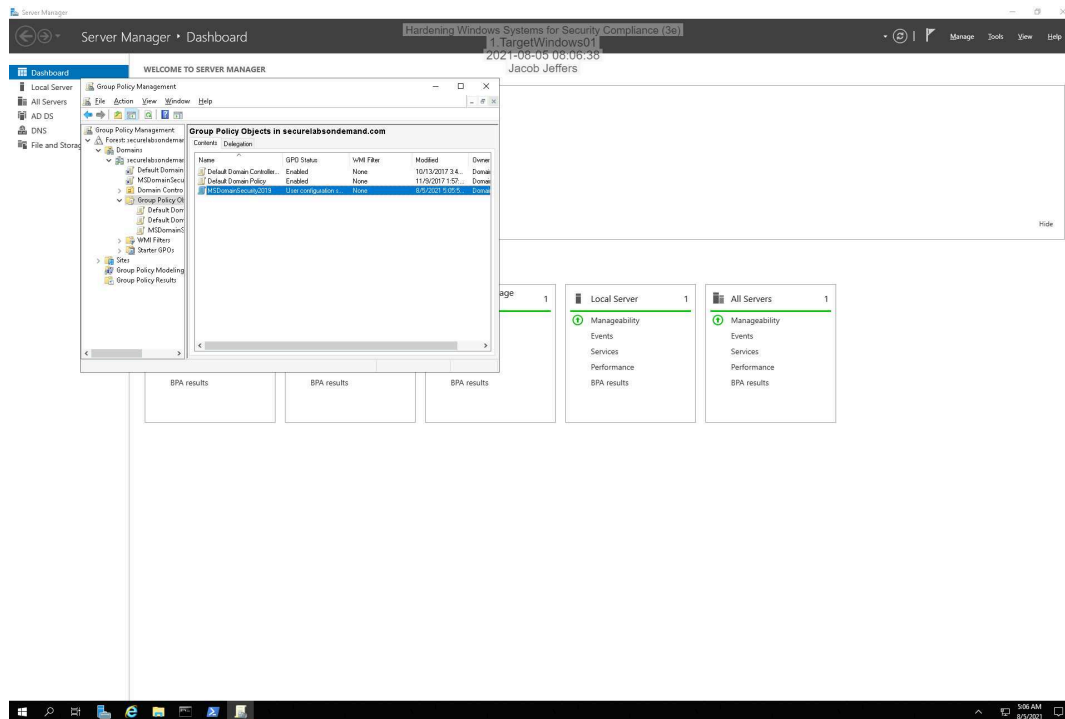
## Section 2: Applied Learning

### Part 1: Apply Windows Security Baselines

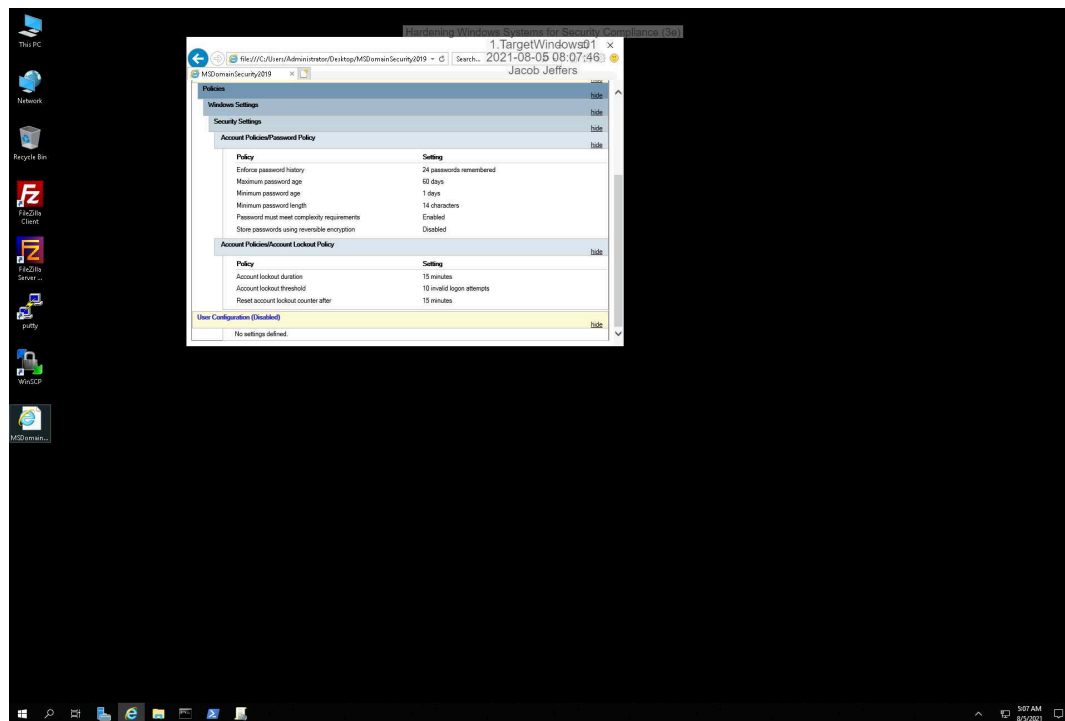
5. Make a screen capture showing Microsoft's recommended Password and Account Lockout policy settings.



## 18. Make a screen capture showing the linked MSDomainSecurity2019 object.

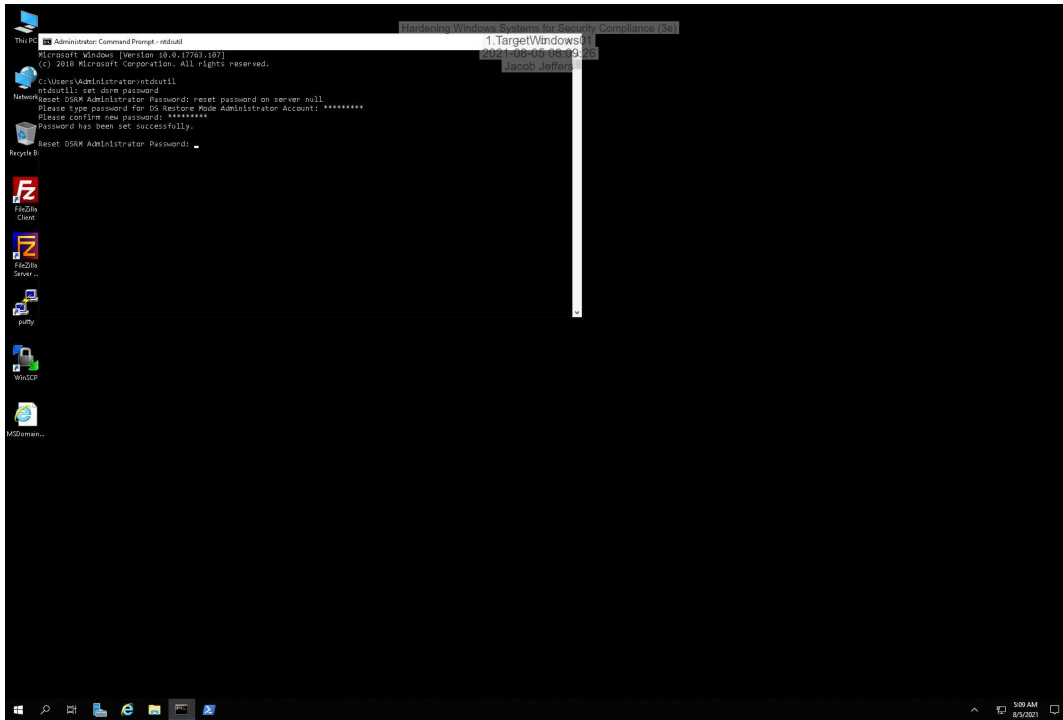


## 22. Make a screen capture showing the implemented Password and Account Lockout policy settings.



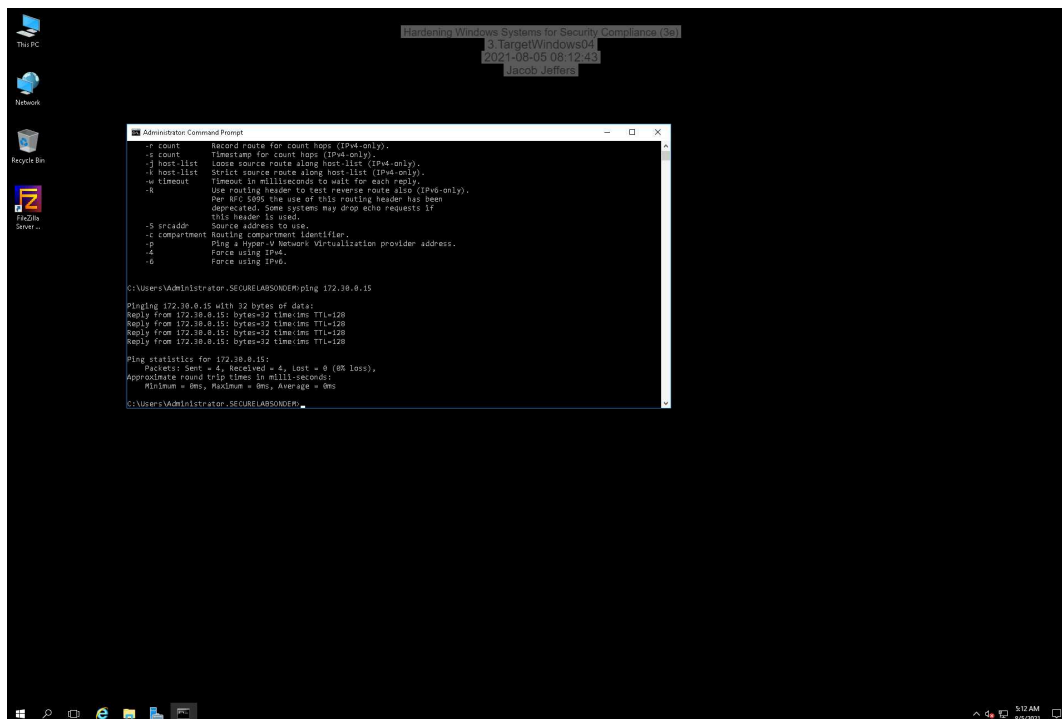
### Part 2: Reset the DSRM Password

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

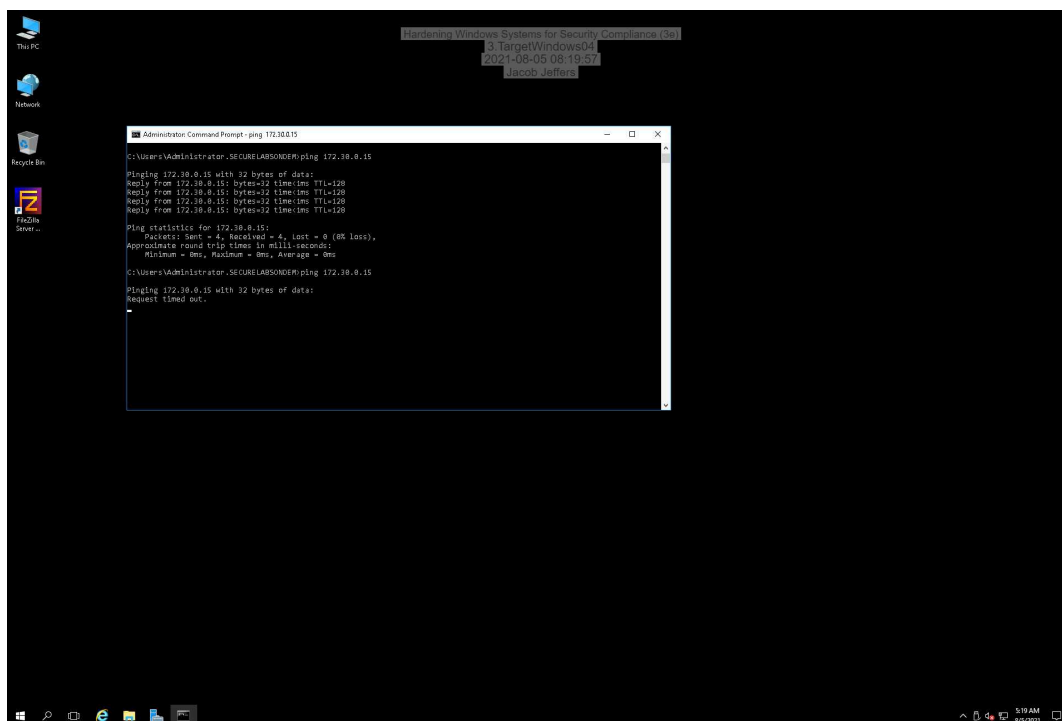


### Part 3: Secure the Windows Defender Firewall

### 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.

By doing it this way, we ensured that the remote connections in the virtual lab will not be blocked. We disabled the rules that permit ICMP traffic; therefore, we ensured that all ICMP requests were blocked by default. Activating the firewall simply blocked the ICMP traffic from reaching TargetWindows01.

### Section 3: Challenge and Analysis

#### Part 1: Analysis and Discussion

Why would disabling services be important in securing and optimizing server performance? What determines which services are disabled?

Disabling services is able to prevent many attacks, and it optimizes the server for performance. For example, a DDoS utilizing the ping function is now blocked due just by making a small change to the rules. The server now utilizes the roles it needs too, thus optimizing it.

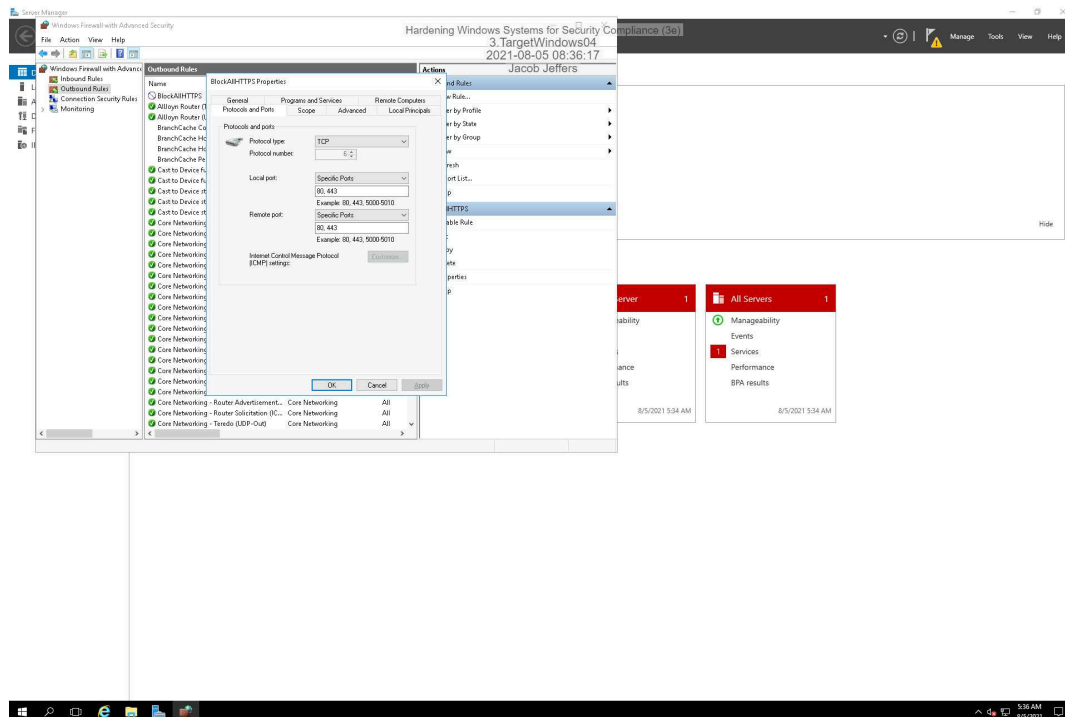
#### Part 2: Tools and Commands

Make a screen capture showing your **executed command line statement**.



#### Part 3: Challenge Exercise

Make a screen capture showing your new Outbound rule.



Make a screen capture showing the result of the rule in a browser window.

