

Managing Group Policy within the Microsoft Windows Environment (3e)

Security Strategies in Windows Platforms and Applications, Third Edition - Lab 05

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Time on Task:

7 hours, 5 minutes

Progress:

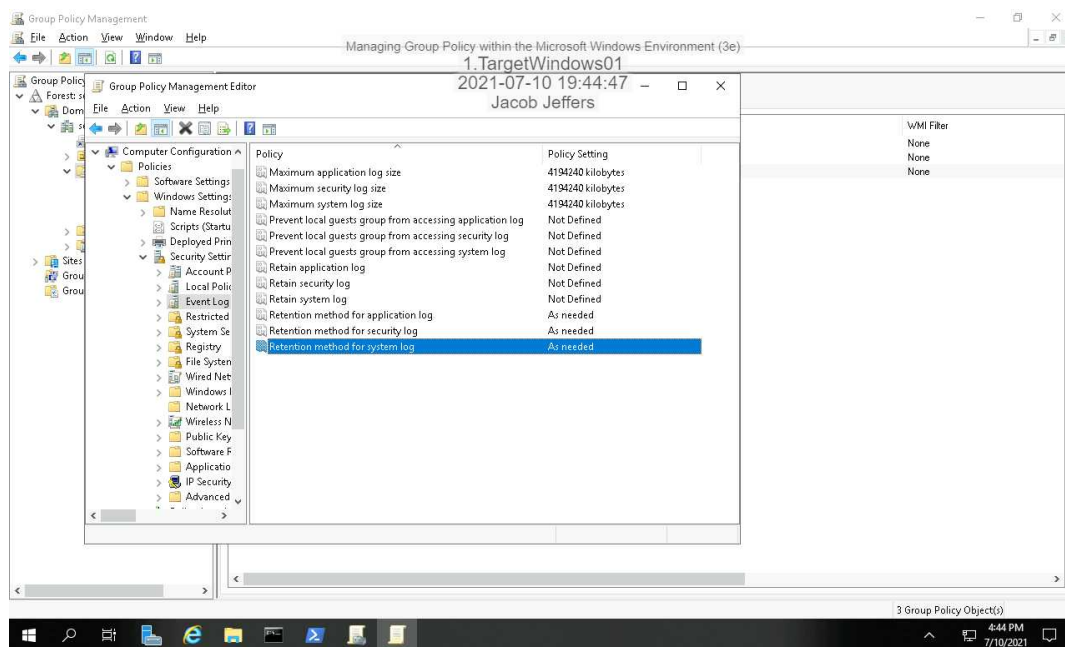
100%

Report Generated: Saturday, July 10, 2021 at 9:00 PM

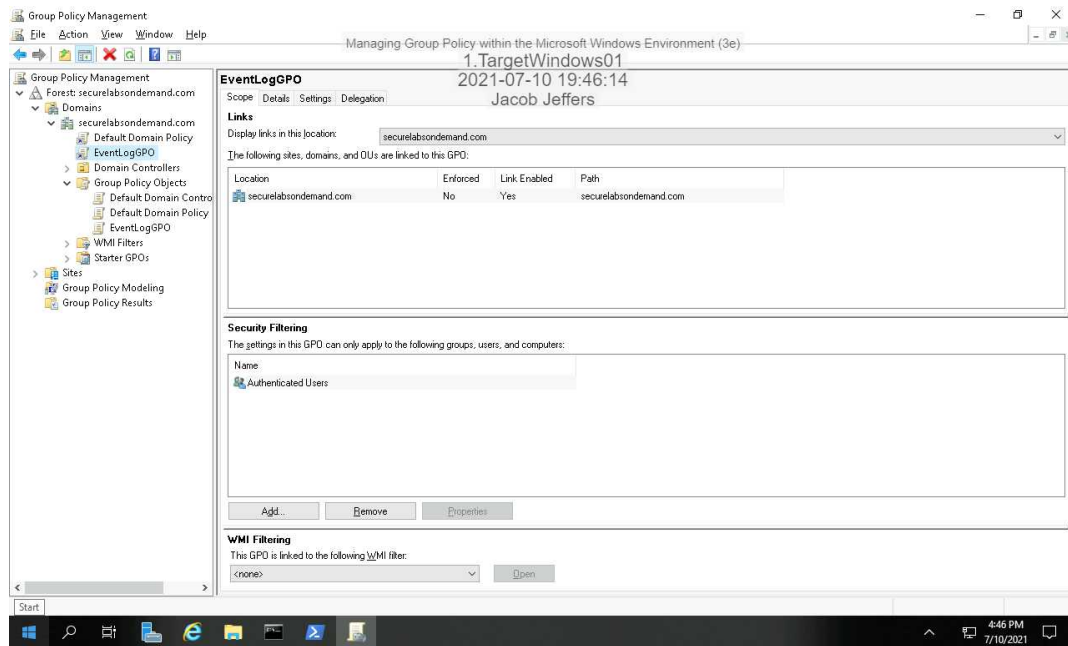
Section 1: Hands-On Demonstration

Part 1: Create and Link a New Domain-Level Group Policy Object

20. **Make a screen capture** showing the **updated policy settings** for the new EventLogGPO.

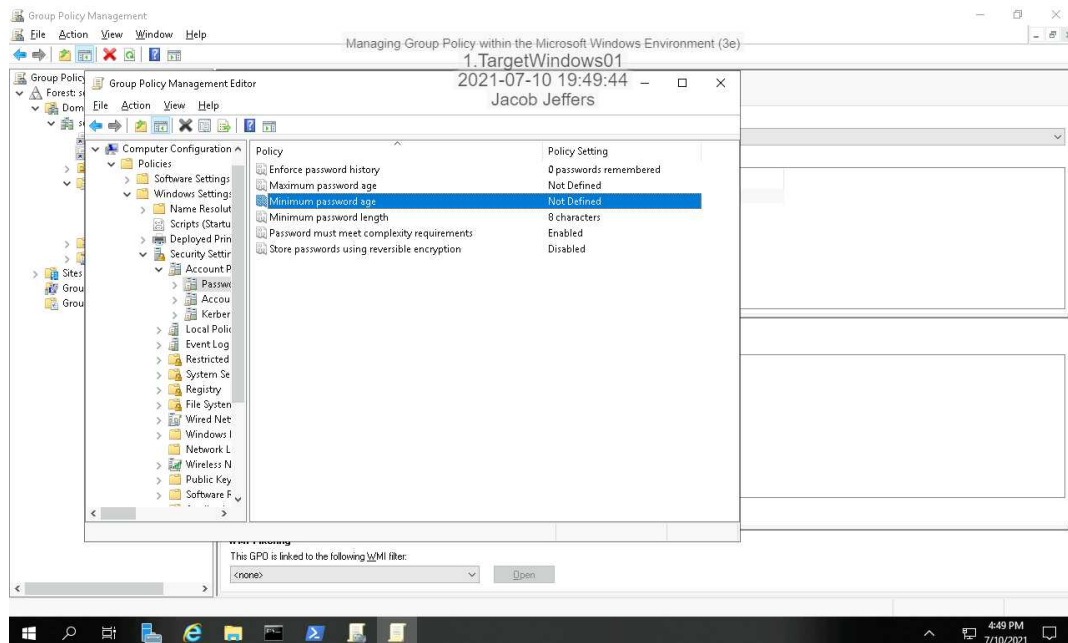


26. Make a screen capture showing the linked EventLogGPO.



Part 2: Edit the Default Domain Policy

9. Make a screen capture showing the policy changes you made in the Group Policy Management Editor.

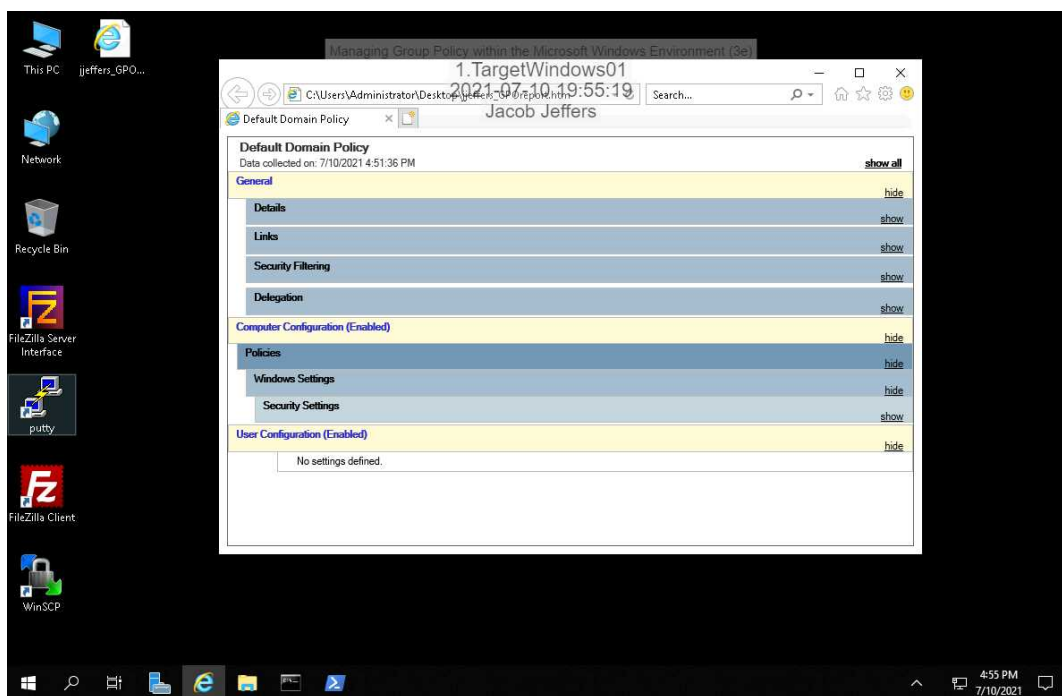


10. **Explain** why you made the changes you made, **make note** of any suggested changes that you accepted, and **explain** why you believe the Group Policy Management Editor recommended those changes.

I changed the minimum password length and the complex password requirements. I tried to follow the NIST recommended standards.

Part 3: Document and Audit Group Policy

10. **Make a screen capture** showing the **policy changes you made in the RSoP**.



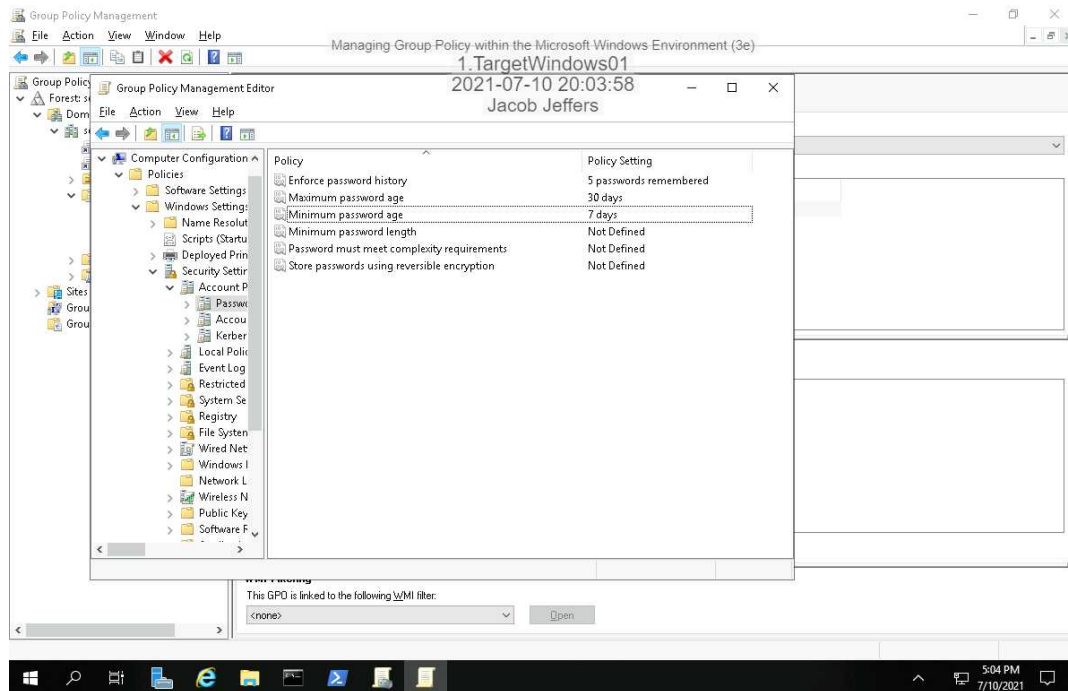
13. **Compare** the GPO Report and the RSoP Report.

The RSoP report is much more user friendly and efficient in my opinion than the GPO report.

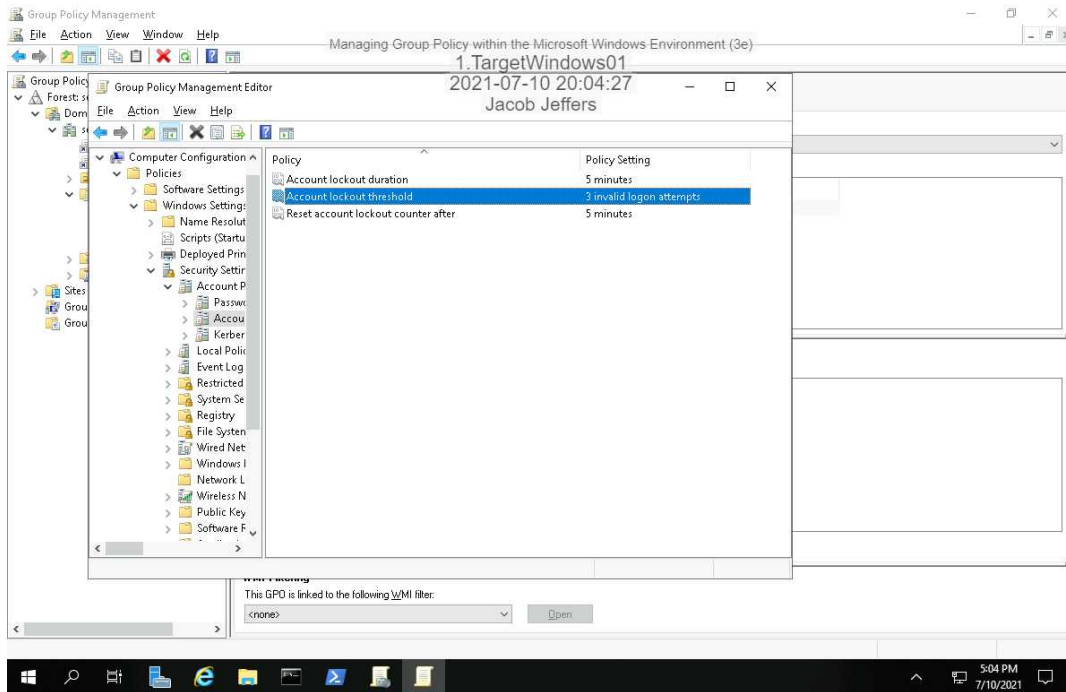
Section 2: Applied Learning

Part 1: Create and Link a New Domain-Level Group Policy Object

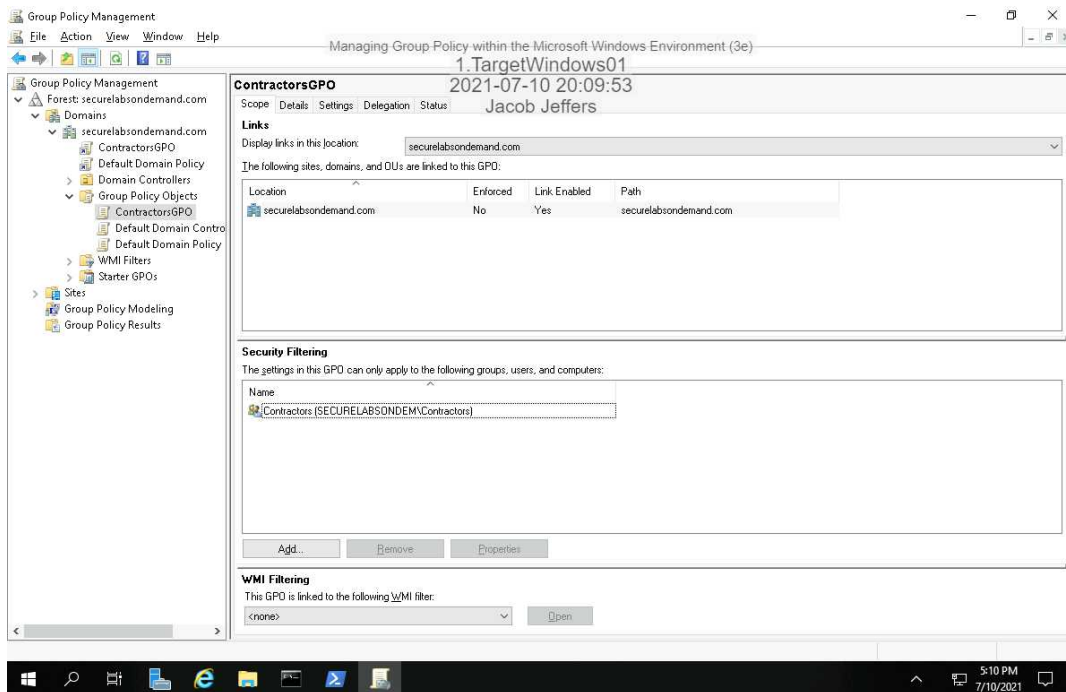
4. Make a screen capture showing the new Password Policy for the ContractorsGPO.



6. Make a screen capture showing the new Account Lockout Policy for the ContractorsGPO.

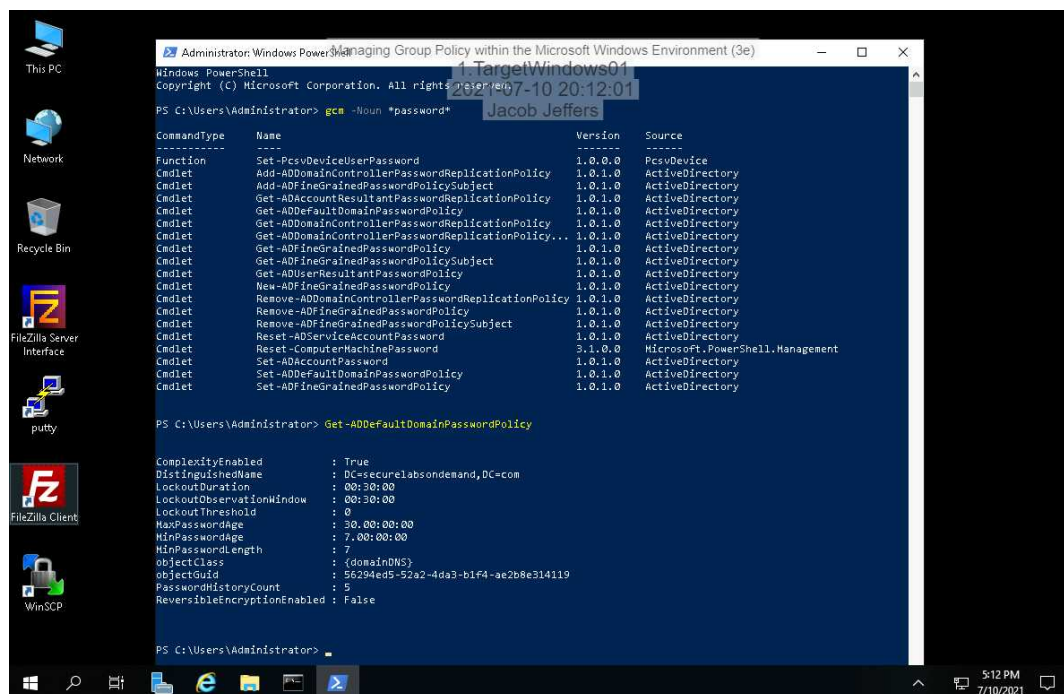


16. Make a screen capture showing the Contractors group in the ContractorsGPO.

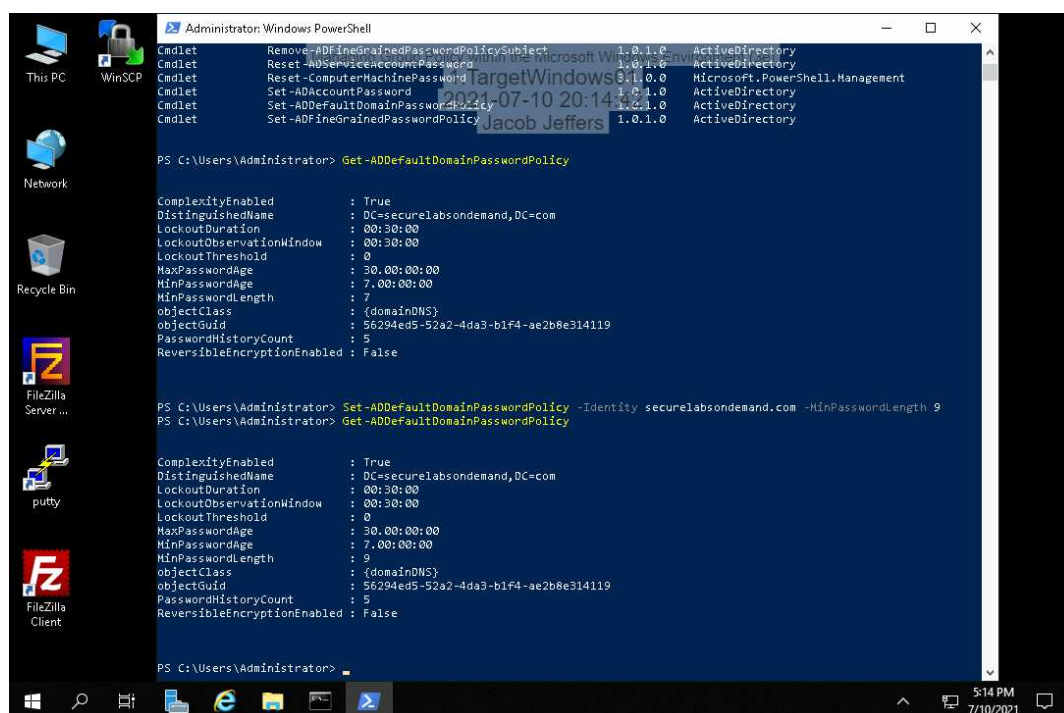


Part 2: Edit the Default Domain Policy

4. Make a screen capture showing the current default domain password policy.



7. Make a screen capture showing the modified default domain password policy.



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```
Set-ADDefaultDomainPasswordPolicy -Identity securelabsondemand.com -LockoutThreshold 3  
-MinPasswordLength 7 -LockoutDuration 00:20:00 -LockoutObservationWindow 00:20:00
```

```

Administrator: Windows PowerShell
PS C:\Users\Administrator> Set-ADDefaultDomainPasswordPolicy -Identity securelabsondemand.com -LockoutThreshold 3 -MinPasswordLength 7 -LockoutDuration 30
Set-ADDefaultDomainPasswordPolicy : The parameter is incorrect
at line:1 char:1
+ Set-ADDefaultDomainPasswordPolicy -Identity securelabsondemand.com -LockoutThreshold 3 -MinPasswordLength 7 -LockoutDuration 30
+ ~~~~~
+ CategoryInfo          : InvalidOperation: (securelabsondemand.com:ADDefaultDomainPasswordPolicy) [Set-ADDefaultDomainPasswordPolicy], ADInvalidOperationException
+ FullyQualifiedErrorId : ActiveDirectoryServer:87,Microsoft.ActiveDirectory.Management.Commands.SetADDefaultDomainPasswordPolicy

PS C:\Users\Administrator> Get-ADDefaultDomainPasswordPolicy

ComplexityEnabled      : True
DistinguishedName      : DC=securelabsondemand,DC=com
LockoutDuration        : 00:30:00
LockoutObservationWindow : 00:30:00
LockoutThreshold        : 3
MaxPasswordAge         : 30.00:00:00
MinPasswordAge         : 1.00:00:00
MinPasswordLength      : 7
ObjectClass             : {domainDNS}
ObjectGuid             : 56294ed5-52a2-4da3-b1f4-ae2b8e314119
PasswordHistoryCount    : 5
ReversibleEncryptionEnabled : False

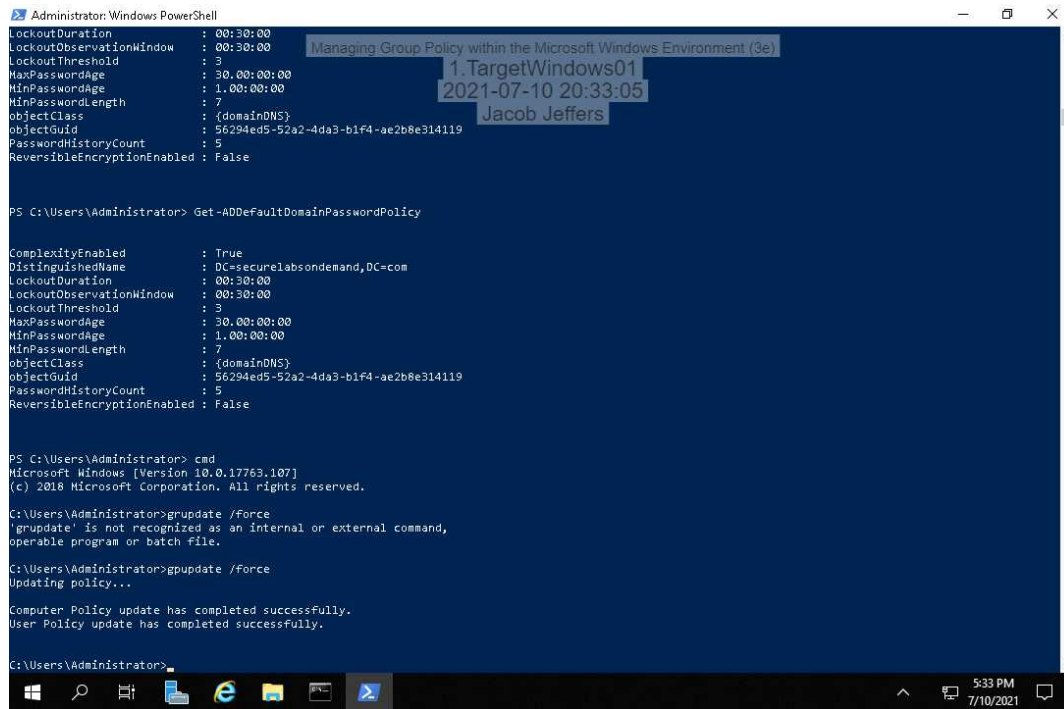
PS C:\Users\Administrator> Get-ADDefaultDomainPasswordPolicy

ComplexityEnabled      : True
DistinguishedName      : DC=securelabsondemand,DC=com
LockoutDuration        : 00:30:00
LockoutObservationWindow : 00:30:00
LockoutThreshold        : 3
MaxPasswordAge         : 30.00:00:00
MinPasswordAge         : 1.00:00:00
MinPasswordLength      : 7
ObjectClass             : {domainDNS}
ObjectGuid             : 56294ed5-52a2-4da3-b1f4-ae2b8e314119
PasswordHistoryCount    : 5
ReversibleEncryptionEnabled : False

PS C:\Users\Administrator>

```


18. Make a screen capture showing the **successful gpupdate** command.



```
Administrator: Windows PowerShell
LockoutDuration : 00:30:00
LockoutObservationWindow : 00:30:00
LockoutThreshold : 3
MaxPasswordAge : 30.00:00:00
MinPasswordAge : 1.00:00:00
MinPasswordLength : 7
ObjectClass : {domainDNS}
ObjectGuid : 56294ed5-52a2-4da3-b1f4-ae2b8e314119
PasswordHistoryCount : 5
ReversibleEncryptionEnabled : False

PS C:\Users\Administrator> Get-ADDefaultDomainPasswordPolicy

ComplexityEnabled : True
DistinguishedName : DC=securelabsondemand,DC=com
LockoutDuration : 00:30:00
LockoutObservationWindow : 00:30:00
LockoutThreshold : 3
MaxPasswordAge : 30.00:00:00
MinPasswordAge : 1.00:00:00
MinPasswordLength : 7
ObjectClass : {domainDNS}
ObjectGuid : 56294ed5-52a2-4da3-b1f4-ae2b8e314119
PasswordHistoryCount : 5
ReversibleEncryptionEnabled : False

PS C:\Users\Administrator> cmd
Microsoft Windows [Version 10.0.17763.107]
(c) 2018 Microsoft Corporation. All rights reserved.

C:\Users\Administrator> gpupdate /force
'gpupdate' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\Administrator> gpupdate /force
Updating policy...

Computer Policy update has completed successfully.
User Policy update has completed successfully.

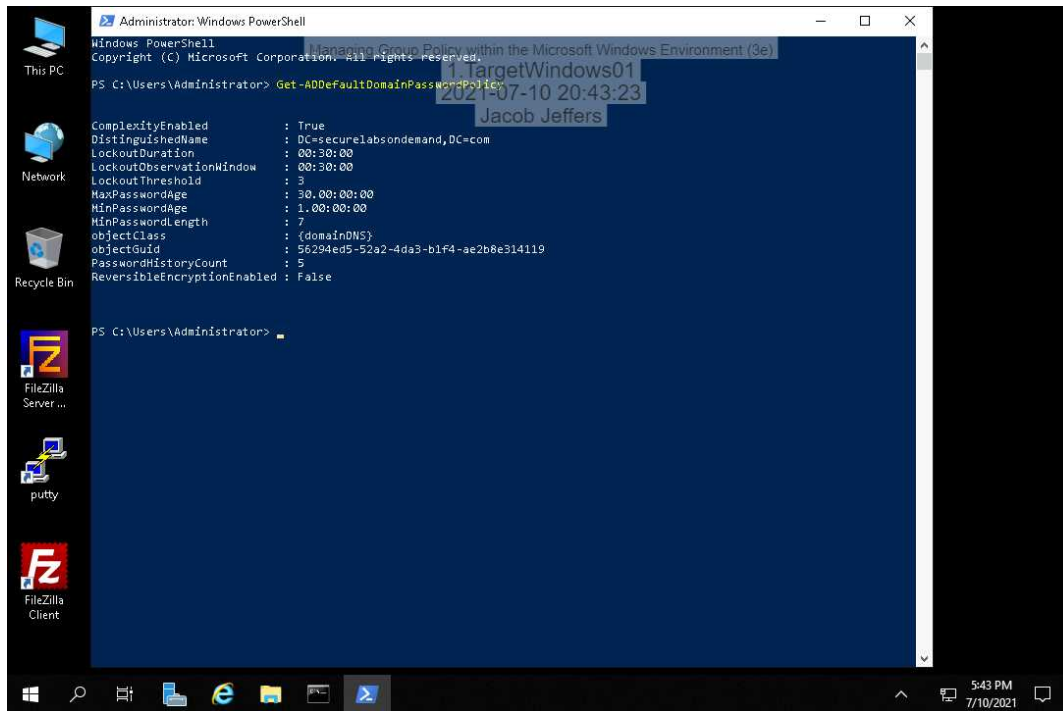
C:\Users\Administrator>
```

Part 3: Document and Audit Group Policy

3. Document the PowerShell command you used to generate the GPO report.

Get-GPOReport -Name "jjeffers" -ReportType HTML -Path C:\ThisPC\Desktop

5. Make a screen capture showing the final password policy changes.



Section 3: Challenge and Analysis

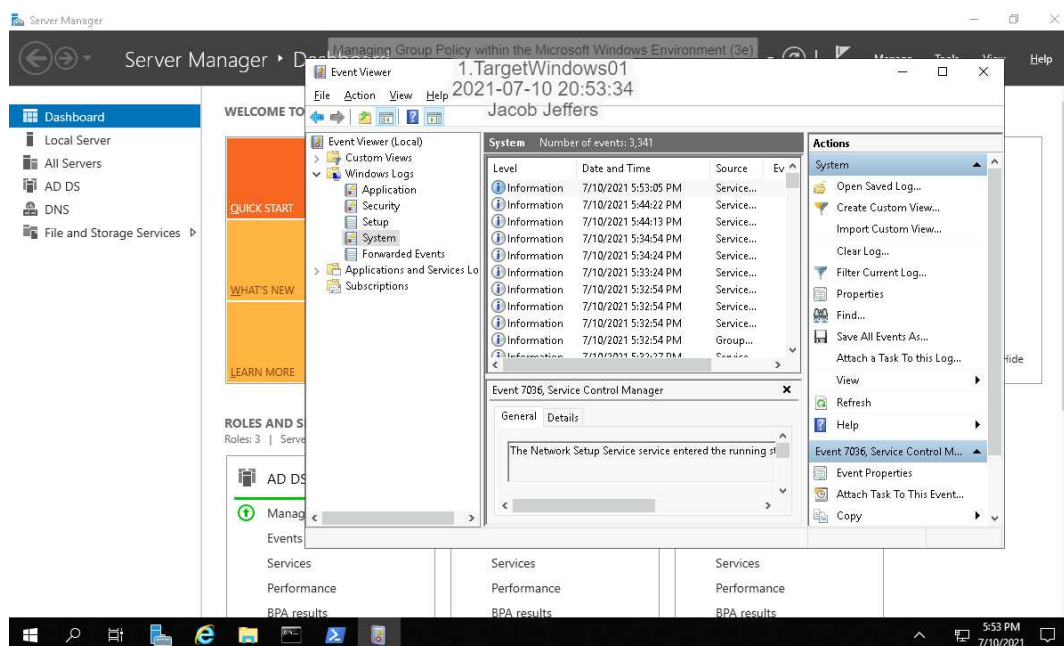
Part 1: Analysis and Discussion

What are some of the benefits of using Group Policy in an enterprise environment? Use the Internet to research additional applications of Group Policy not discussed in this lab.

It provides a centralized place for administrators to manage users, policies, and operating systems.

Part 2: Tools and Commands

Make a screen capture showing the **filtered System Logs** and the log entry associated with your changes.

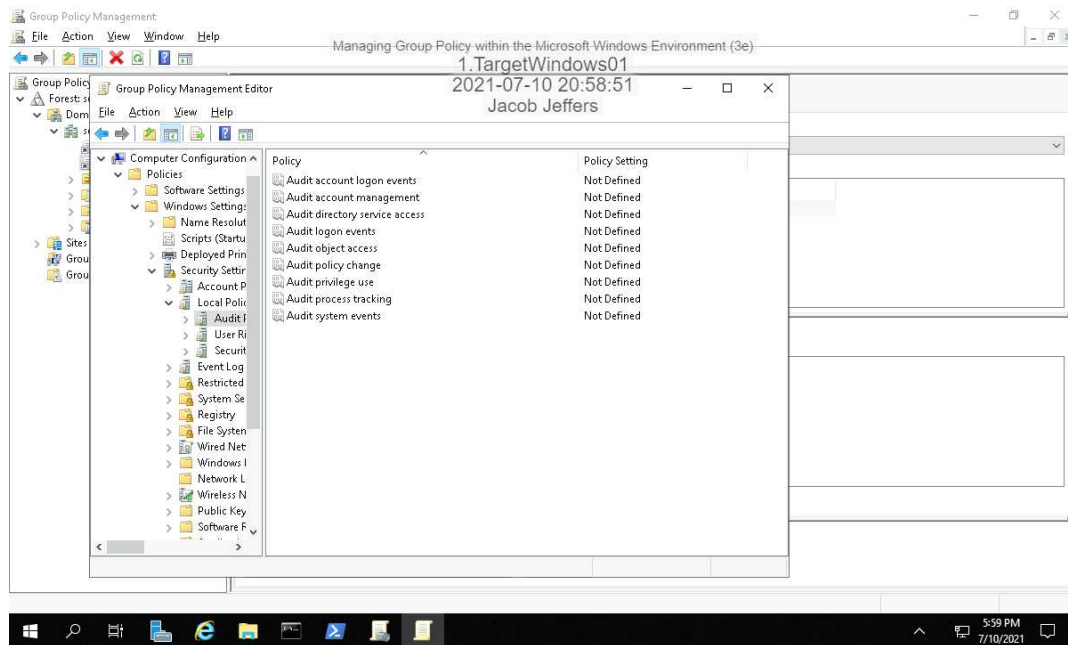


Part 3: Challenge Exercise

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Make a screen capture showing the current Audit Policy using either the Group Policy Management Editor or Windows PowerShell.



Make a screen capture showing the updated Audit Policy.

