SECTION 1: Hands-On Demonstration

Part 1. Edit Domain-Level Group Policy Objects (GPO)

1. the first policy change you made (screen capture):



2. the second policy change you made (screen capture):



1. the third policy change you made (screen capture):



1. an explanation for the policy change you made;

First policy change:

I set the Retain Security Log policy to ensure that events and occurrences recorded by the system are kept so that I could review them if needed.

Second policy change:

I disabled the Guest Account on the system to further secure the system from anyone who may attempt to access the guest account.

Third policy change:

I set the Account Lockout Duration to zero which will require an administrator to unlock the account after too any invalid login attempts have been performed. This ensures that anyone attempting to login without the correct credentials would be locked out of the account until an administrator is able to unlock the account.

1. the Suggested Value pop-up window for any policy for which it appears:

Graphical user interface, table

Description automatically generated

1. an explanation for why the Group Policy Management Editor recommended those changes:

The GP Management Editor recommends these changes as well to ensure that anyone trying to access the account will be locked out after five failed attempts. This helps to maximize on system security.

Part 2. Documenting and Auditing Group Policy

1. at least one of the policy changes you made, documented in the RSOP report (screen capture):

A picture containing table

Description automatically generated

2. a comparison of the GPO Report and the RSOP Report:

The RSOP report seems to have a summary on whether or not errors were detected during the computer and user policy refreshes, which I do not see in the GPO report. The RSOP report seems to offer a lot more insight into the local GPOs and shows as well what users have certain local policies and user rights.

SECTION 2: Applied Learning

Part 1: Edit Domain-Level Group Policy Objects (GPO)

1. the existing default domain password policy (screen capture):

Graphical user interface, text

Description automatically generated with medium confidence

2. modified default domain password policy (screen capture):

Graphical user interface, text

Description automatically generated with medium confidence

3. the PowerShell command to make the changes:

Set-ADDefaultDomainPasswordPolicy -MinPasswordLength 7 -MinPasswordAge 1.00:00:00 -MaxPasswordAge 30.00:00:00 -LockoutDuration 00:20:00 -LockoutObservationWindow 00:20:00 -LockoutThreshold -3

4. final default domain password policy (screen capture):

Text

Description automatically generated with medium confidence

Part 2: Documenting and Auditing Group Policy

1. the command you used to generate the report:

Gpresult /H C:\Users\Administrator\Desktop\osman\_GPOreport\_S2.html

2. final password policy changes (screen capture):

Graphical user interface, application

Description automatically generated

SECTION 3: Challenge Questions

***Analysis and Discussion***

1. Group Policy is an important component of secure Windows environments and many resources are available online to help you follow established best practices for hardening security in your own environment. Review the Implementing Common Desktop Management Scenarios with the Group Policy Management Console white paper on the Microsoft TechNet Web site at http://technet.microsoft.com/en-us/library/cc758350%28v=ws.10%29.aspx compare the policy changes you made in the lab with the multi-user desktop scenario.

***Tools and Commands***

1. From the Server Manager menu, open the Event Viewer (Tools > Event Viewer) and filter the System Logs (Event Viewer (Local) > Windows Logs > System Log) to show only the Group Policy entries. Locate the log entry associated with the changes you made in this lab and submit a copy of the log details with your deliverables for this lab.

***Challenge Exercise***

1. Using either the Group Policy Management Editor or Windows PowerShell, make a screen capture showing the current Audit Policy. Make at least three changes to the existing policy to strengthen the security posture for this domain and explain your changes. Make a screen capture showing the final Audit Policy.