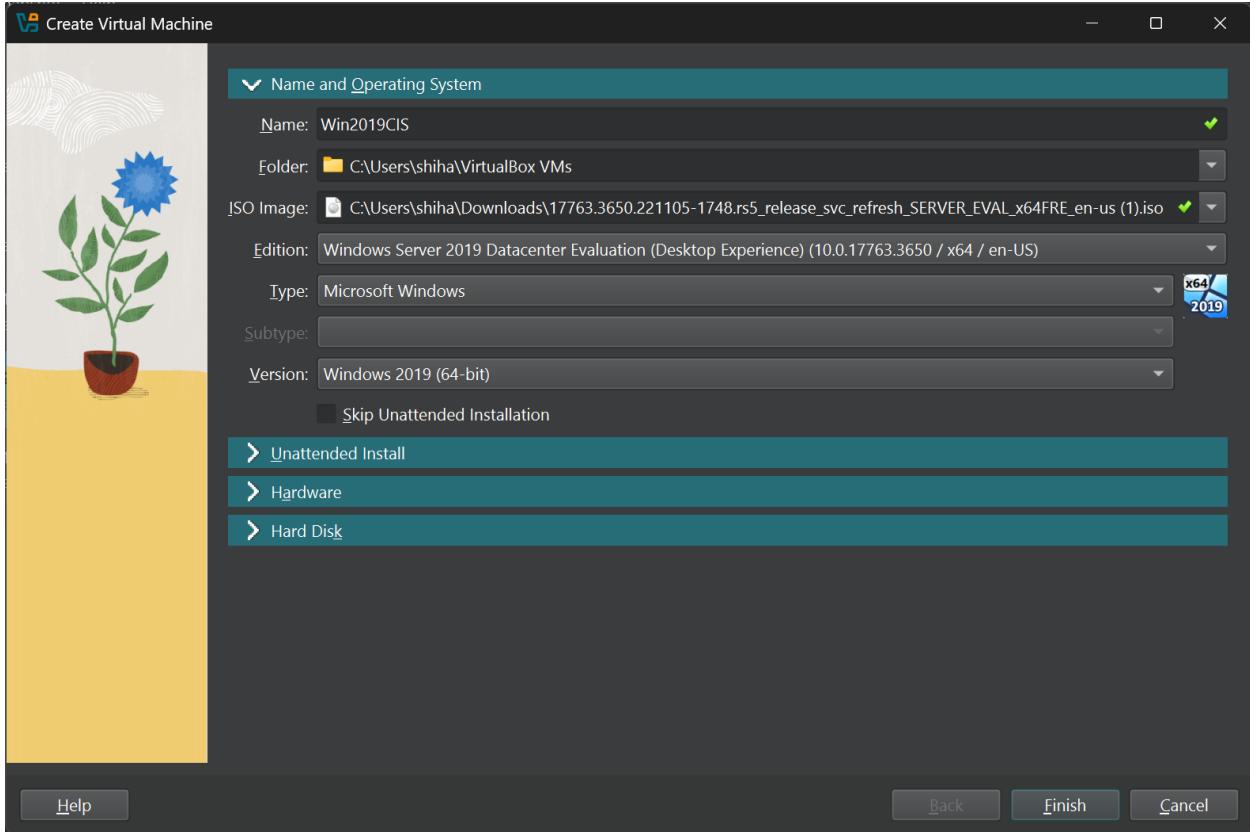
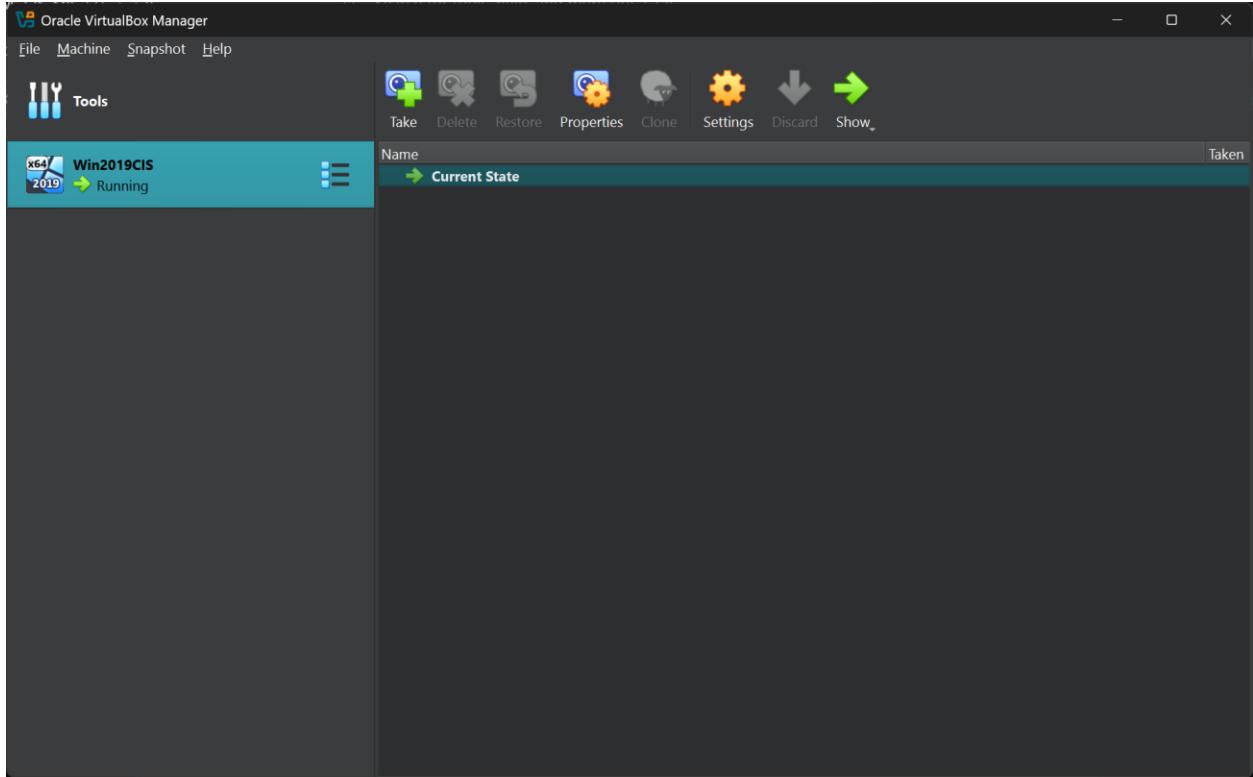


Windows 2019 VM

Creating the VM...

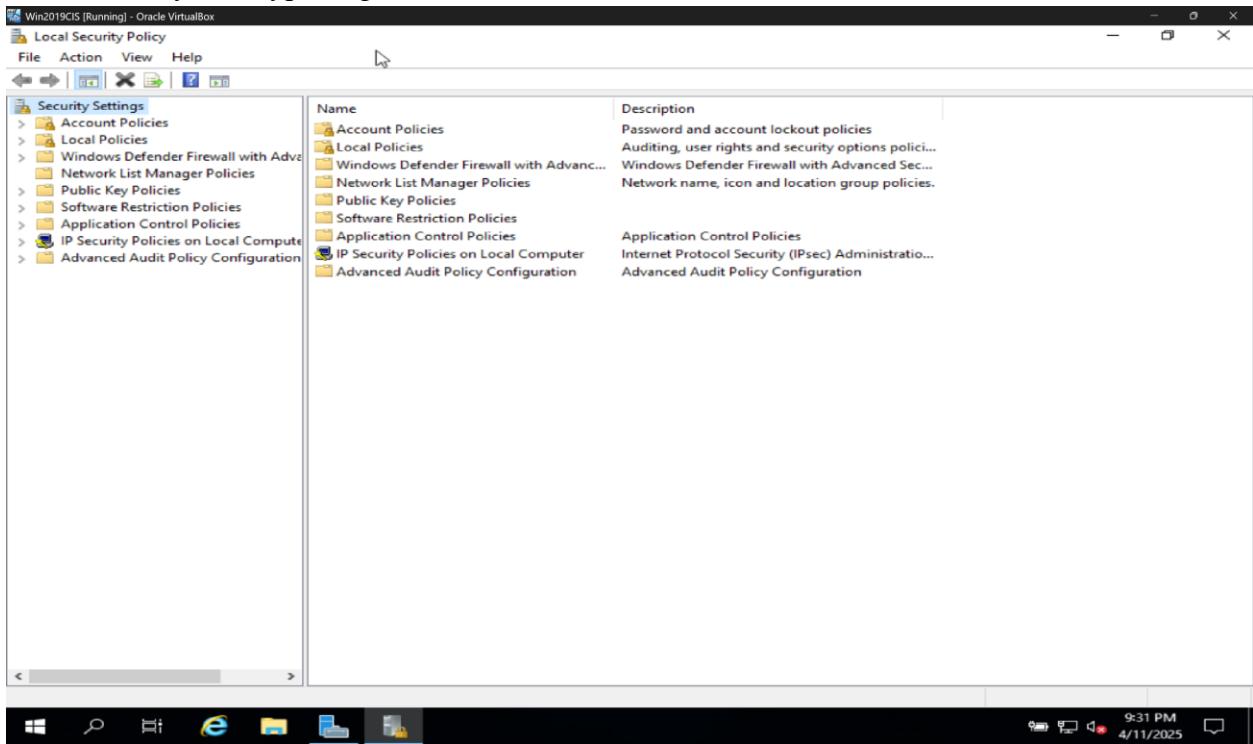


VM created...

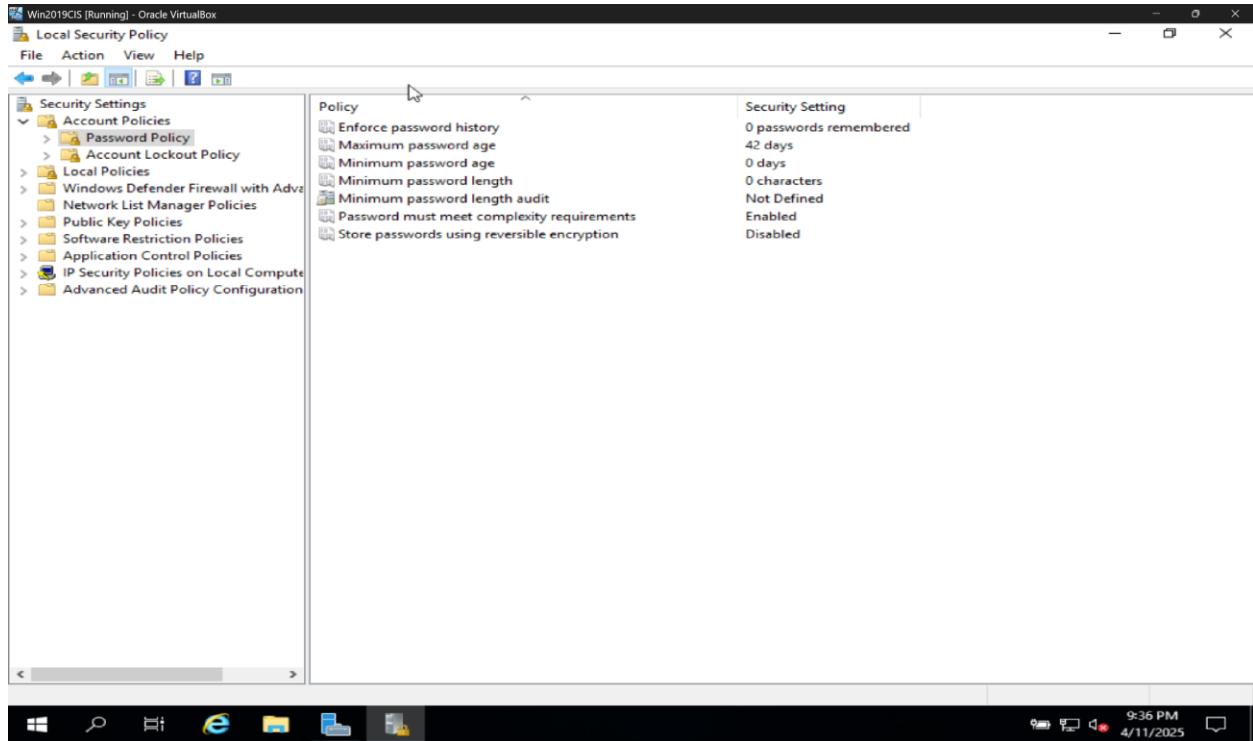


1.1.1 (L1)

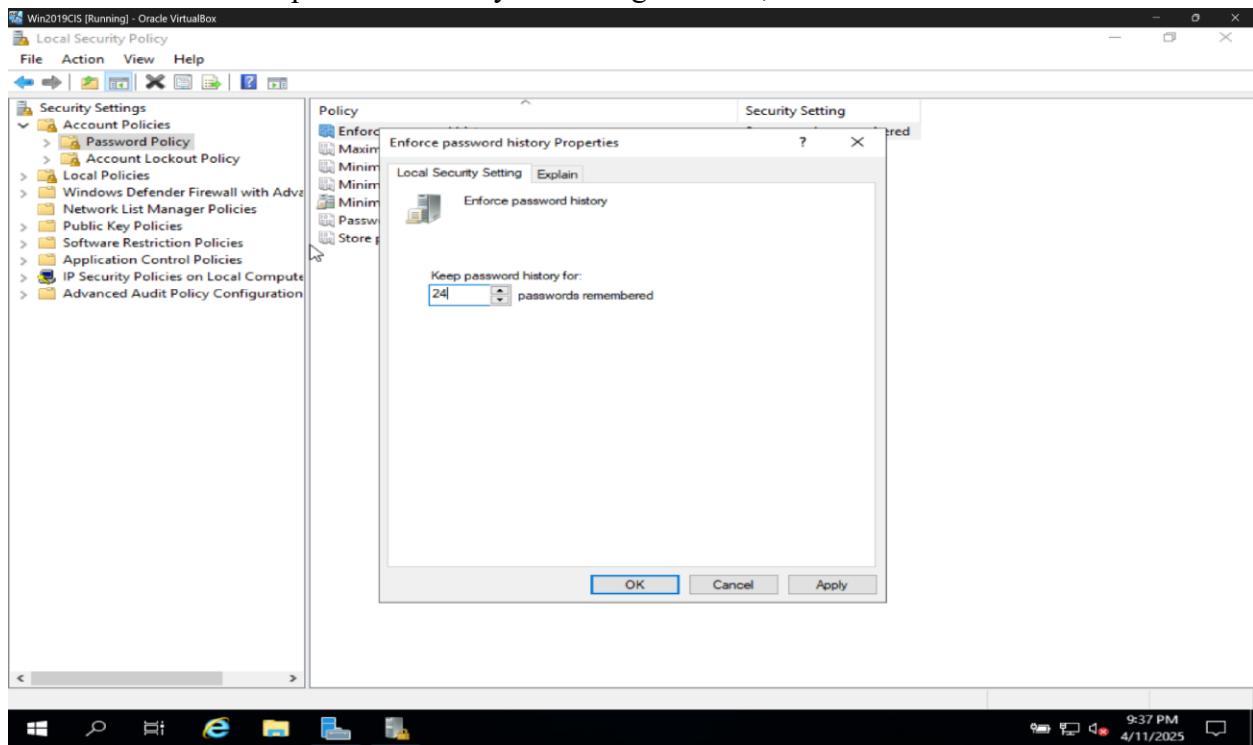
Windows Key + R, type *secpol.msc*



Go to Account Policies > Password Policy

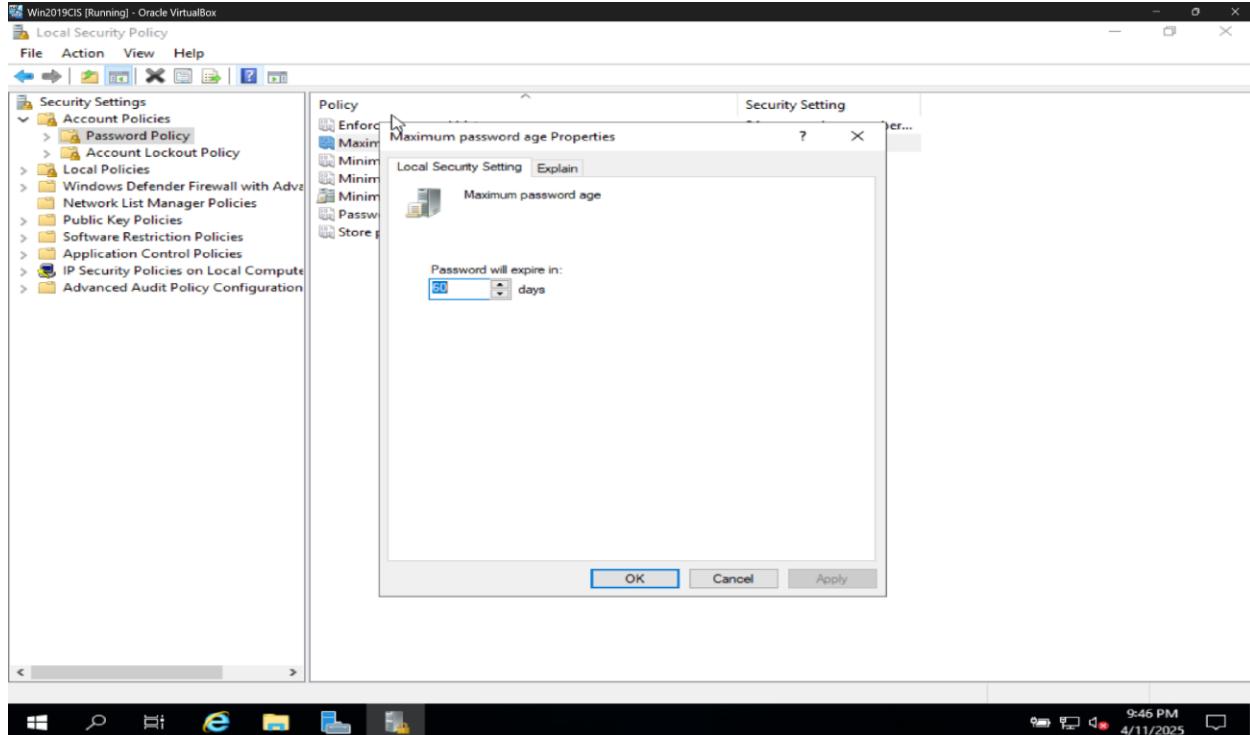


Double-click Enforce password history and change it to 24, then hit ok



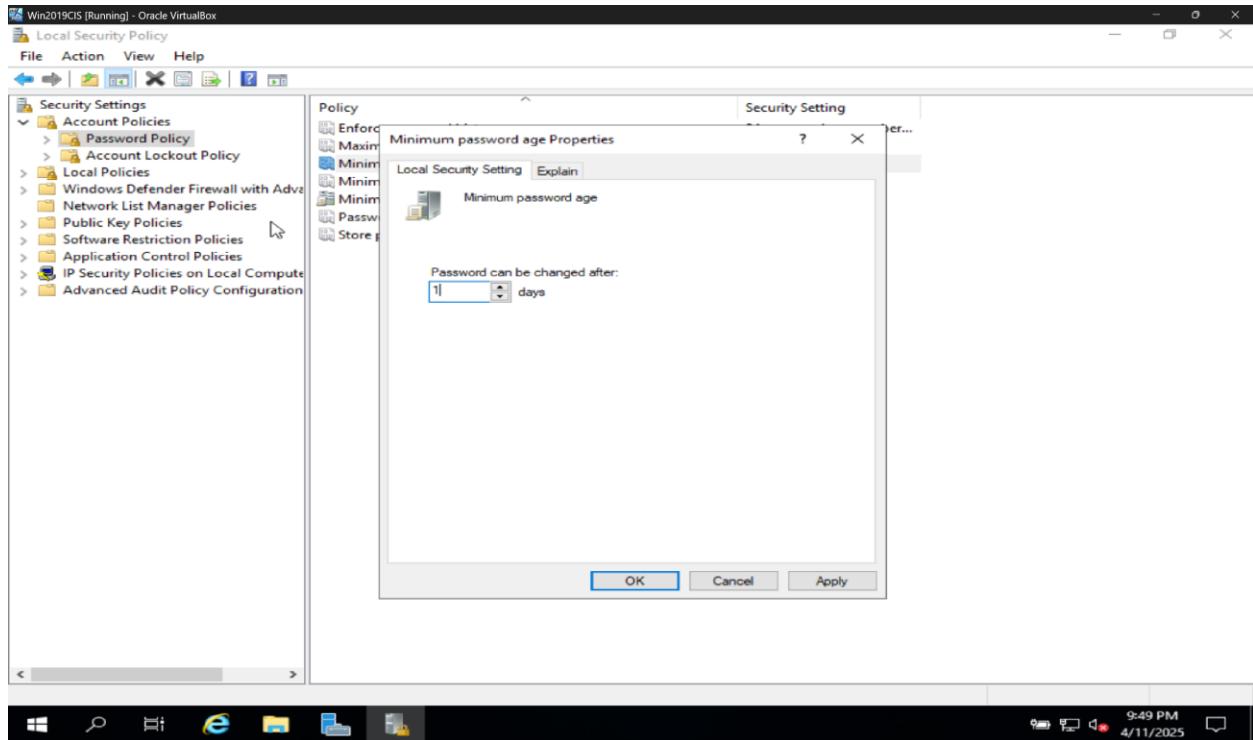
1.1.2 (L1)

Double-click “Maximum password age”, and set it to 60, then hit ok.



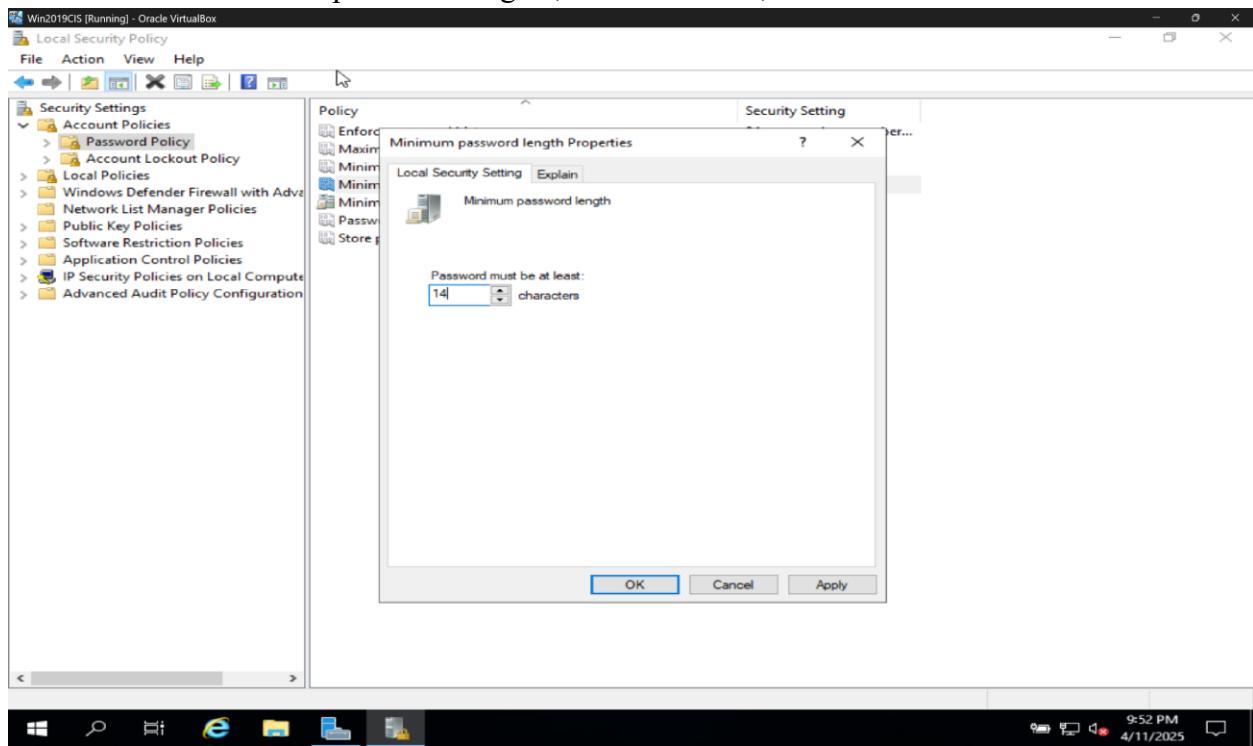
1.1.3 (L1)

Double-click “Minimum password age”, and set it to 1, then hit ok.



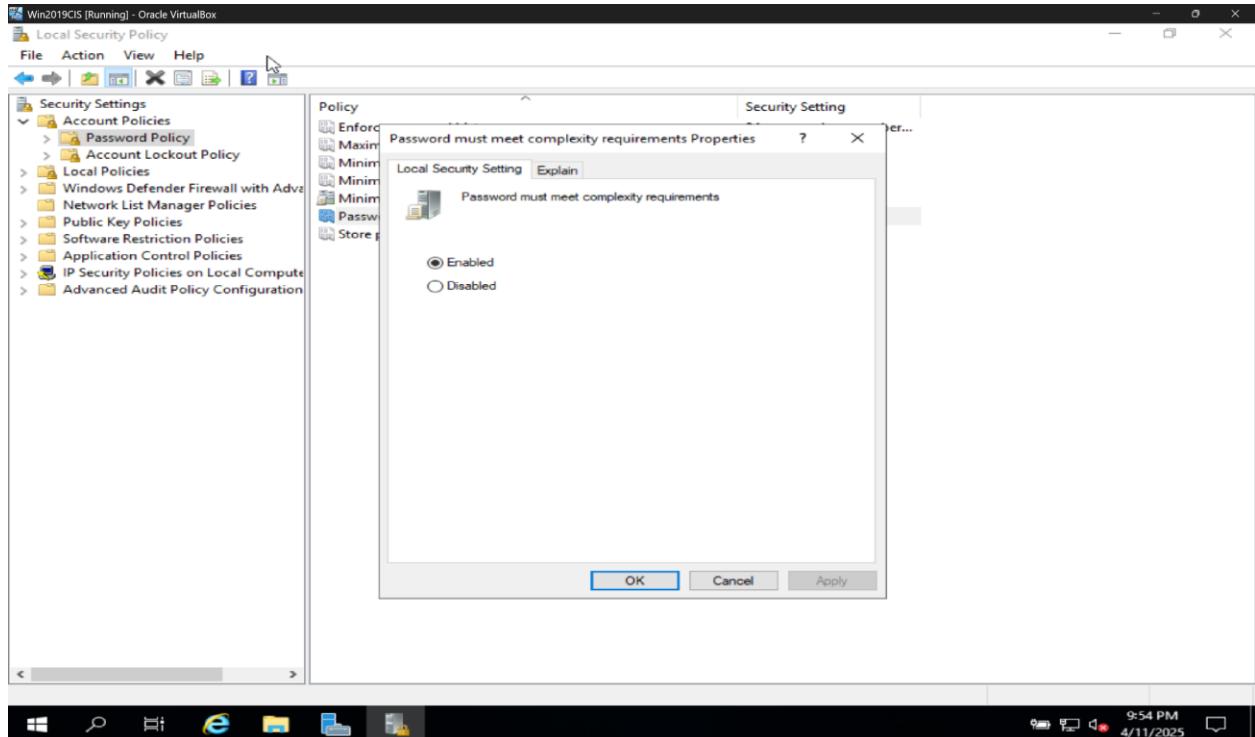
1.1.4 (L1)

Double-click “Minimum password length”, and set it to 14, then hit ok.



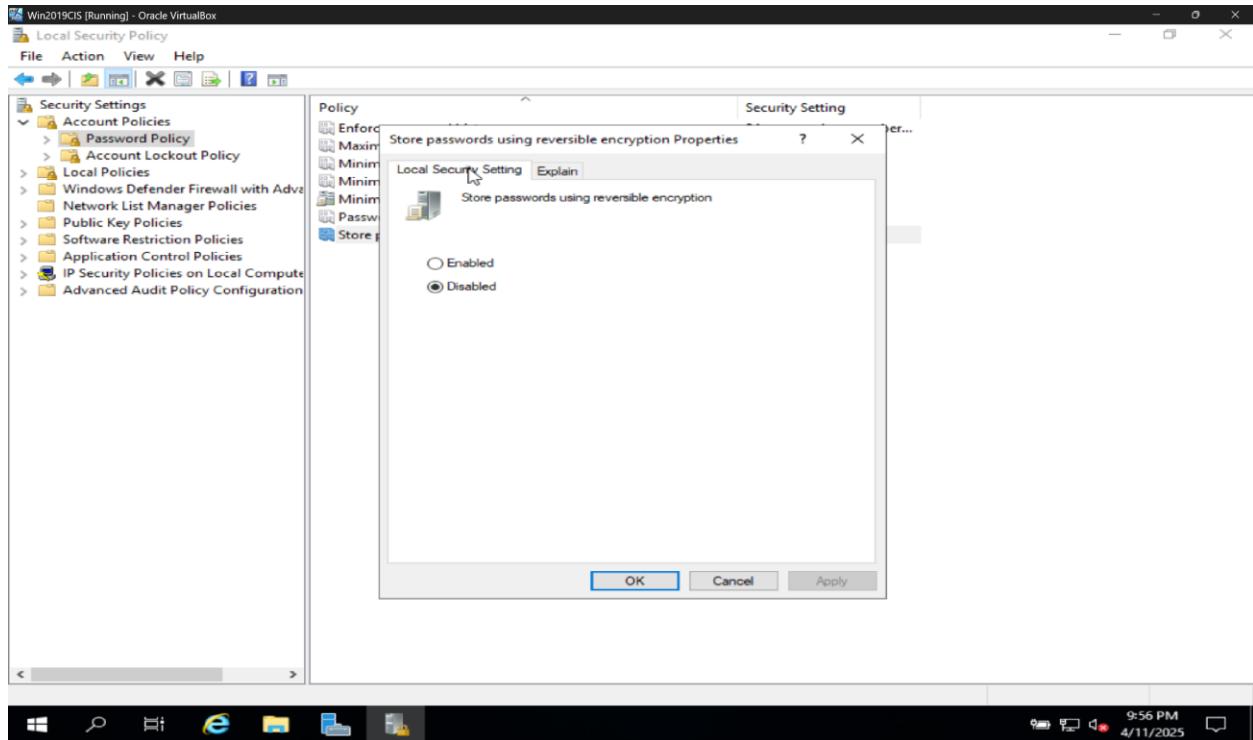
1.1.5 (L1)

“Password must meet complexity requirements” should be set to “Enabled”.



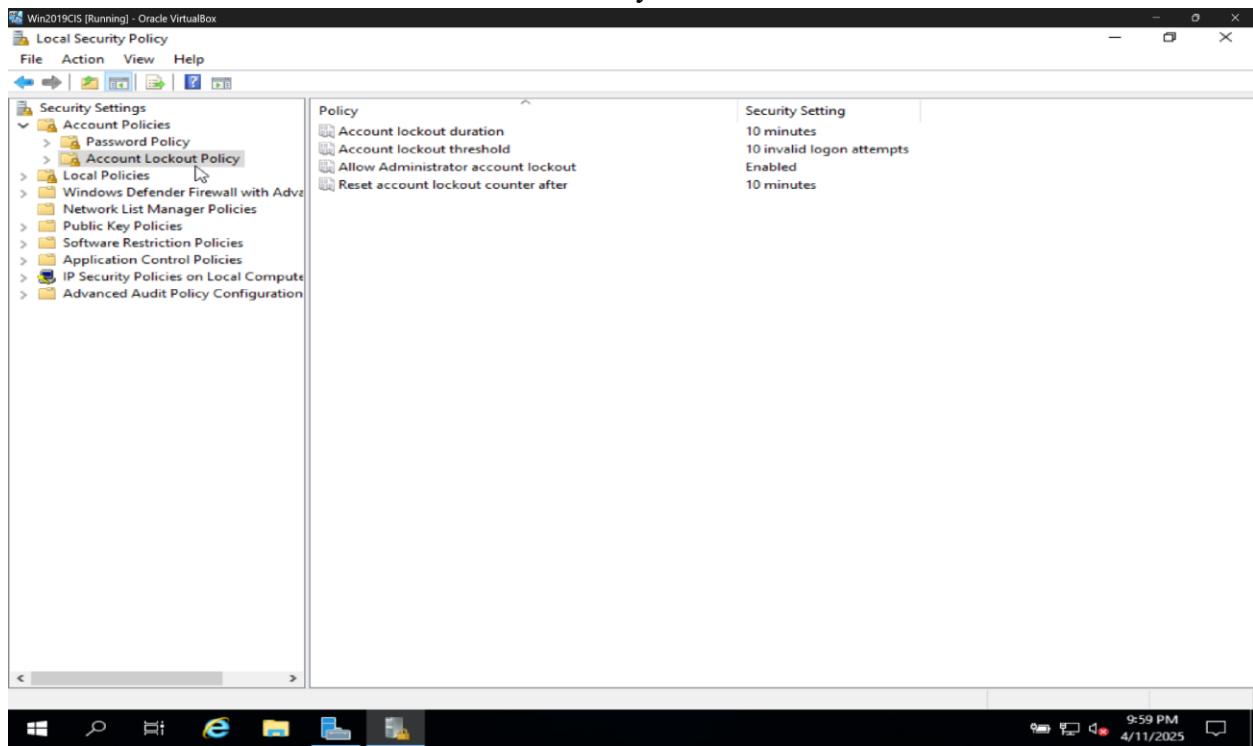
1.1.6 (L1)

“Store passwords using reversible encryption” should be set to “Disabled”.

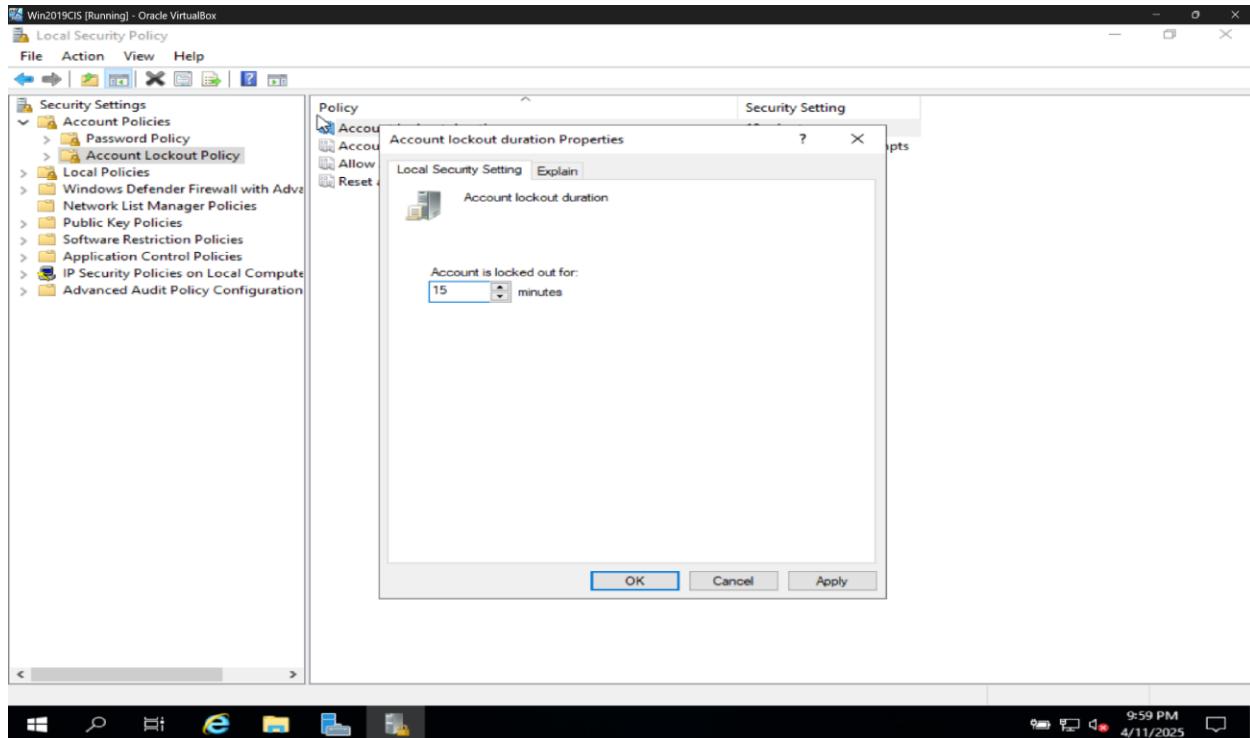


1.2.1 (L1)

Go to Account Policies > Account Lockout Policy

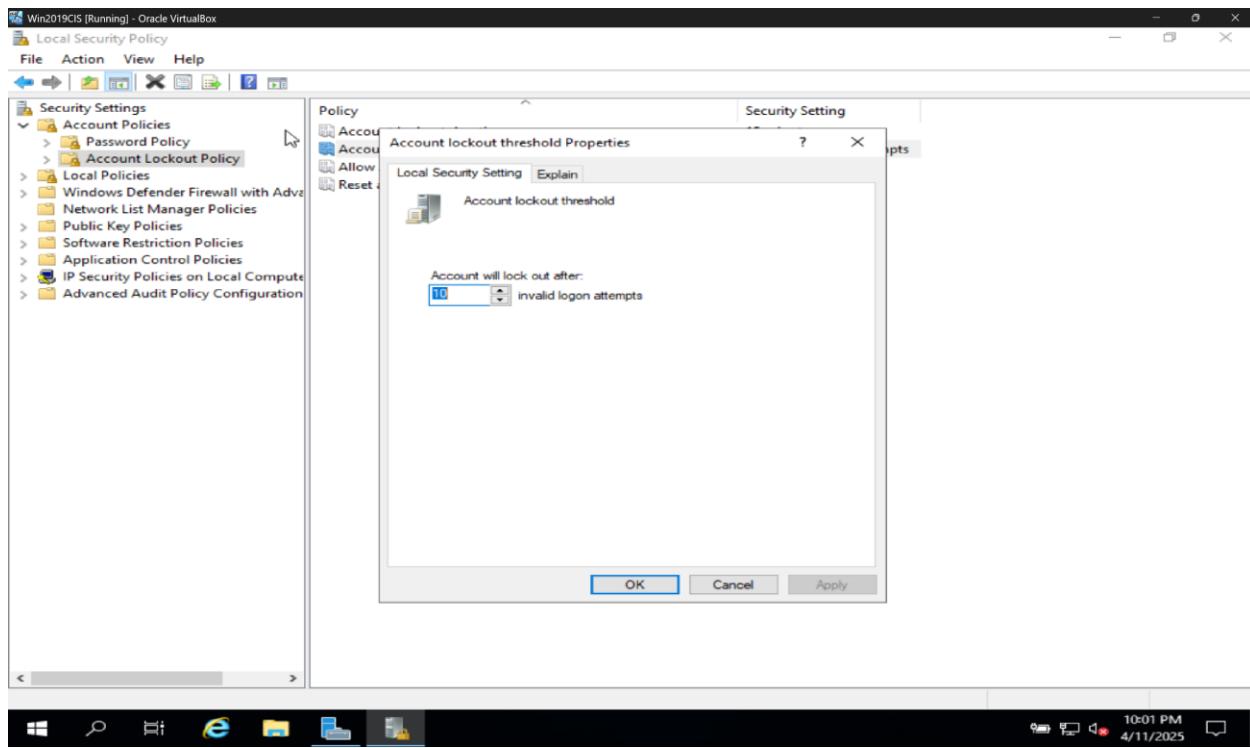


Double-click “Account Lockout Duration”, and set it to 15min, then hit ok.



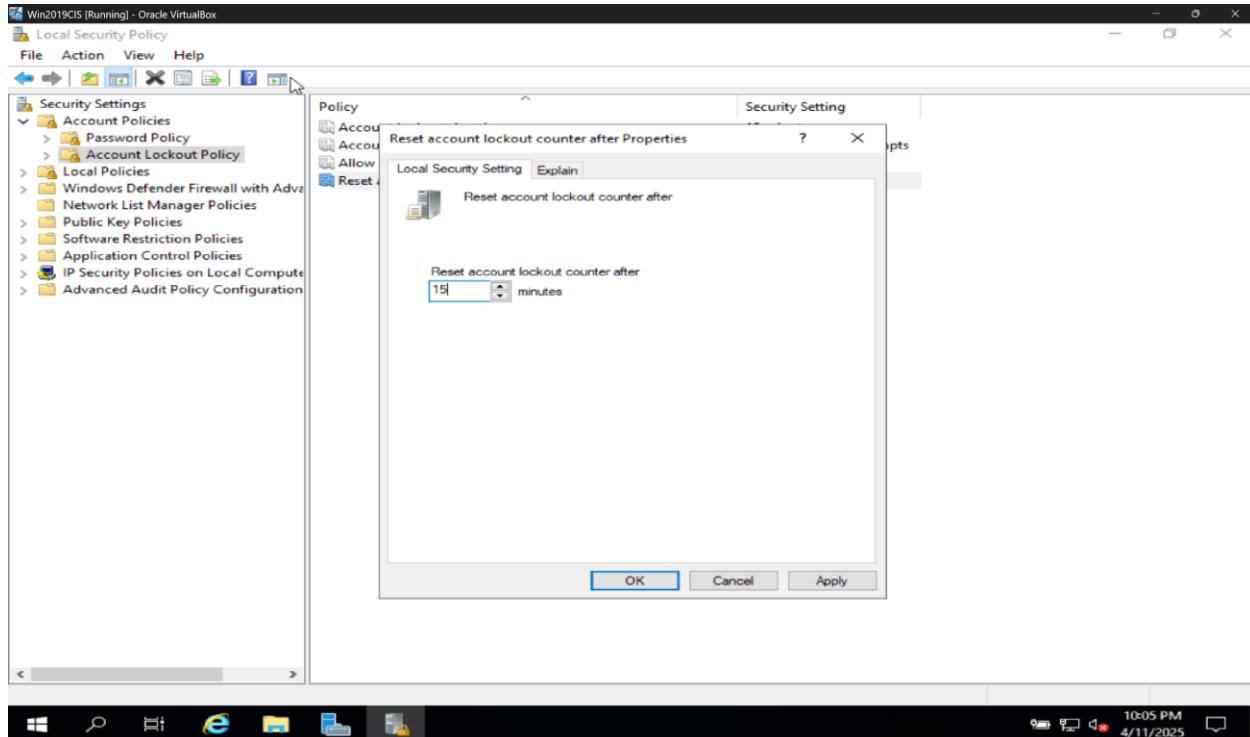
1.2.2 (L1)

Make sure “Account Lockout Threshold” is set to 10.



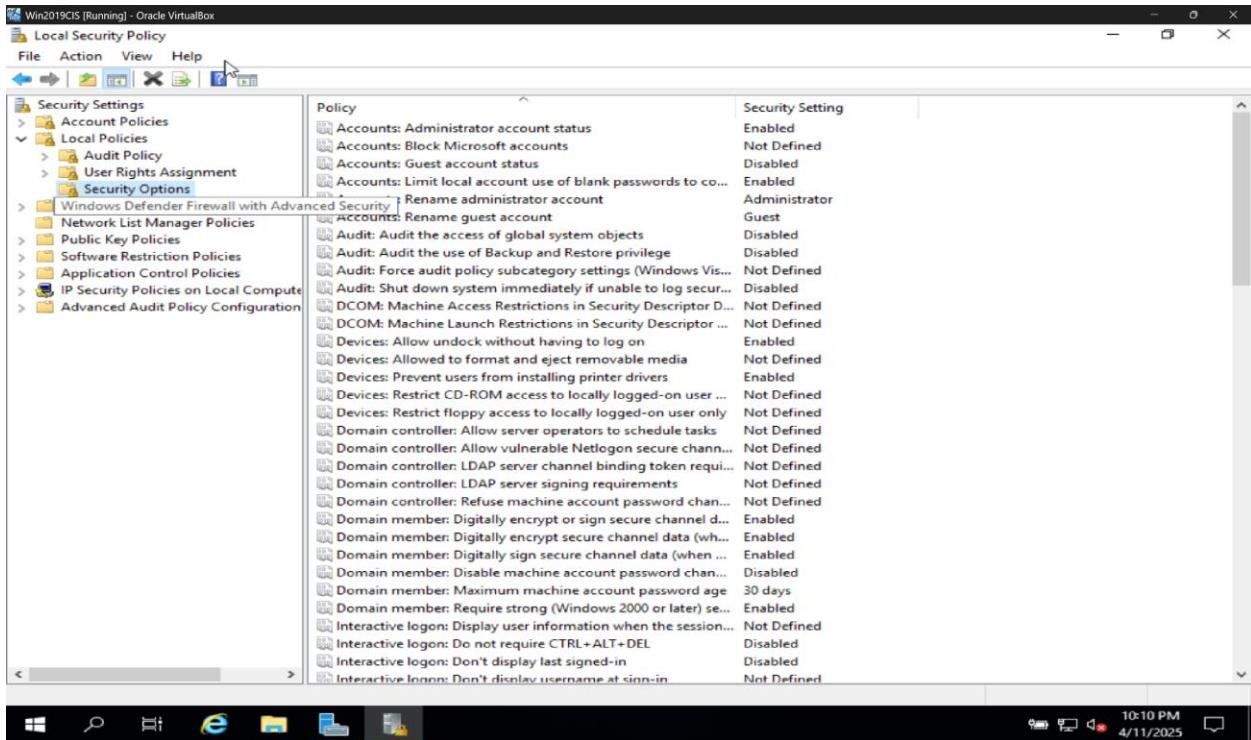
1.2.3 (L1)

Set “Reset Account Lockout Counter After” to 15min, then hit ok.

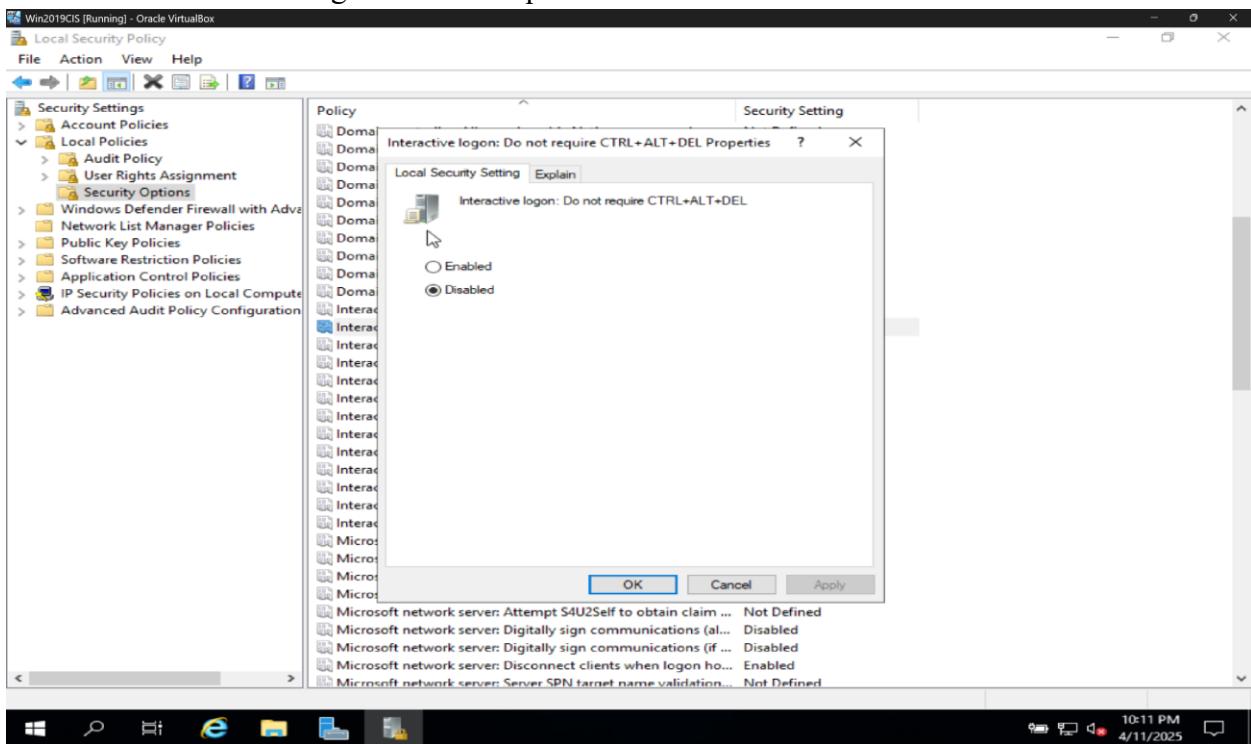


2.3.7.1 (L1)

Go to Local Policies > Security Options

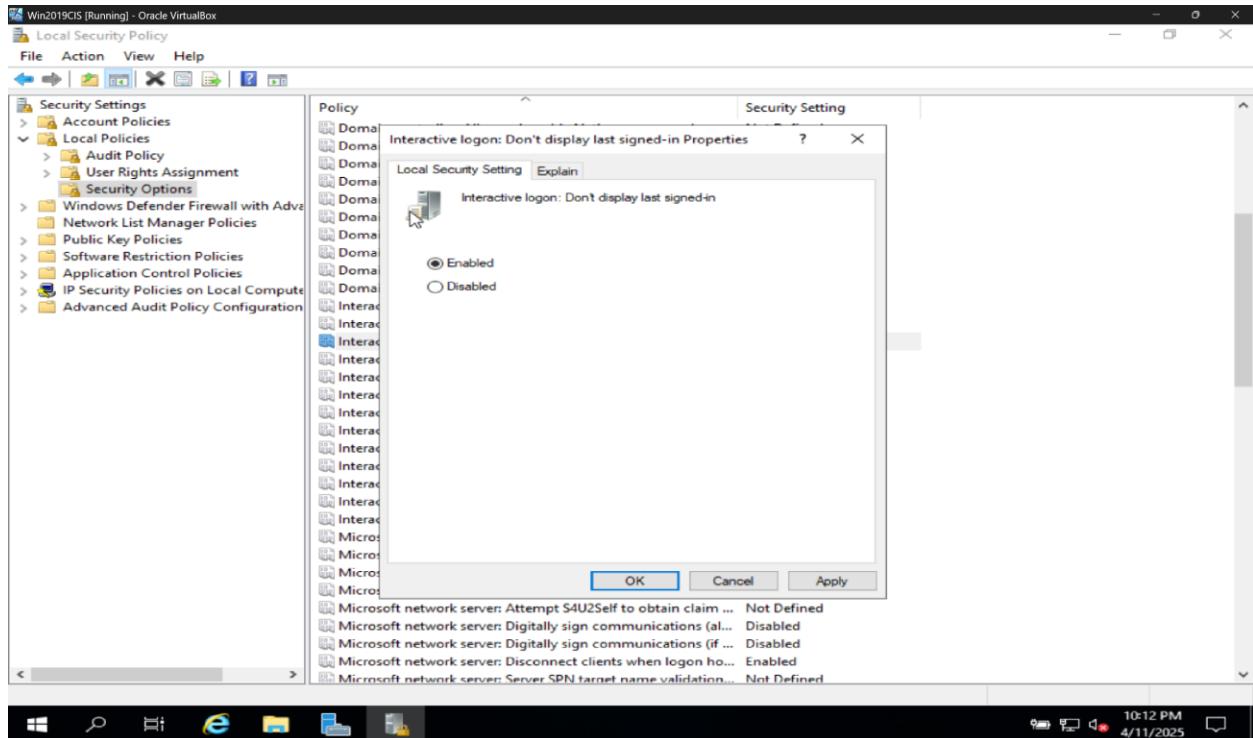


Make sure “Interactive logon: Do not require CTRL+ALT+DEL” is set to “Disabled”.



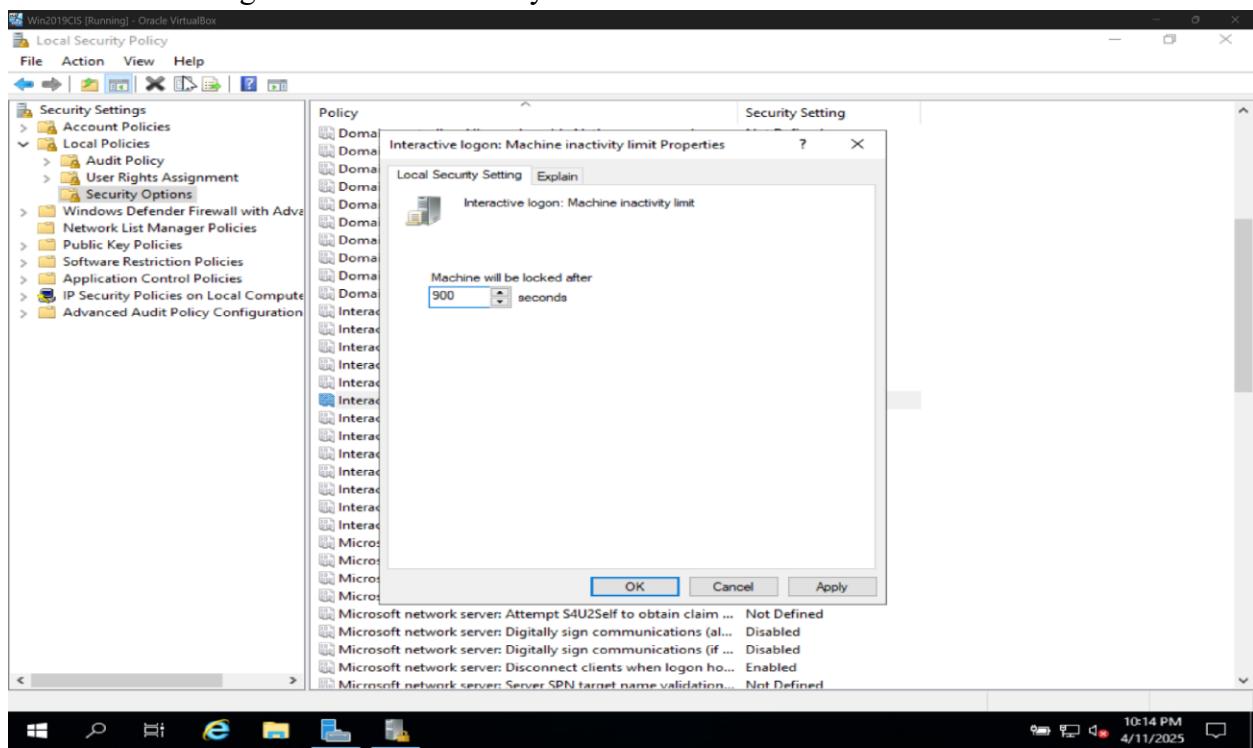
2.3.7.2 (L1)

Set “Interactive logon: Don't display last signed-in” to “Enabled”.



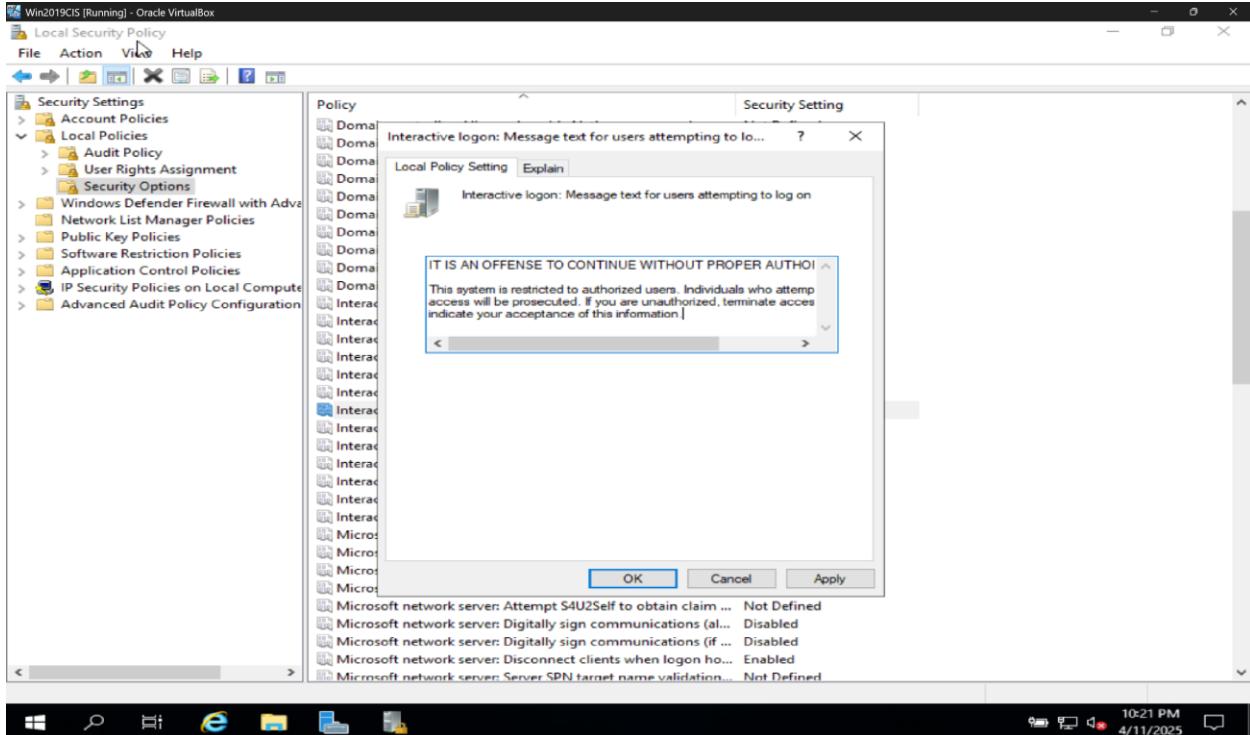
2.3.7.3 (L1)

Set “Interactive logon: Machine inactivity limit” to 900 seconds



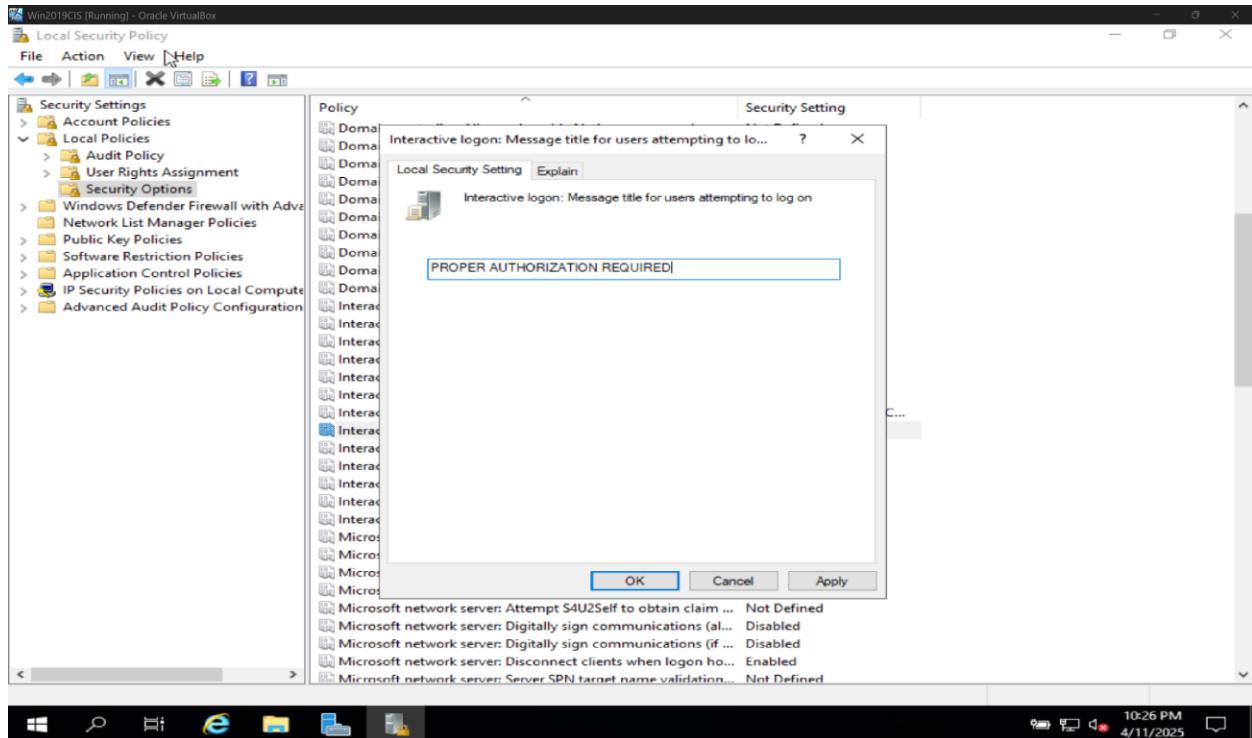
2.3.7.4 (L1)

Locate “Interactive logon: Message text for users attempting to log on”, and type these:



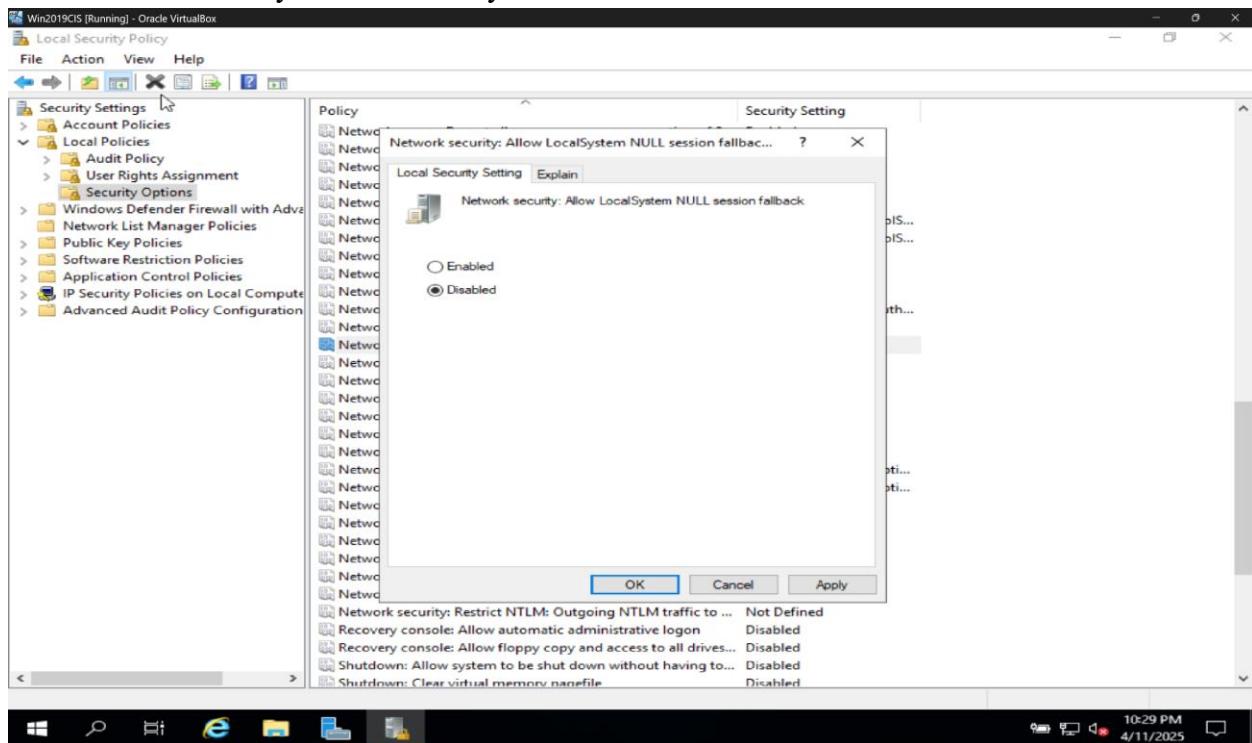
2.3.7.5 (L1)

Locate “Interactive logon: Message title for users attempting to log on”, and type these:



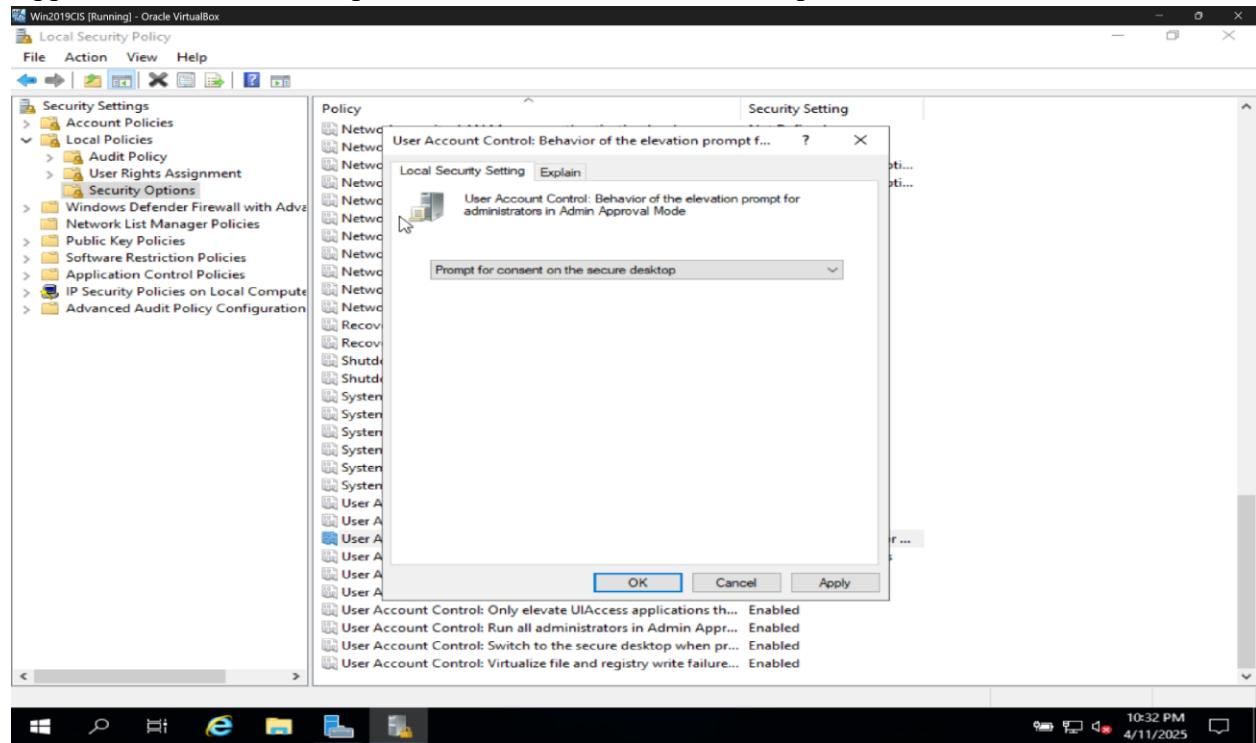
2.3.11.2 (L1)

Set “Network security: Allow LocalSystem NULL session fallback” to “Disabled”.



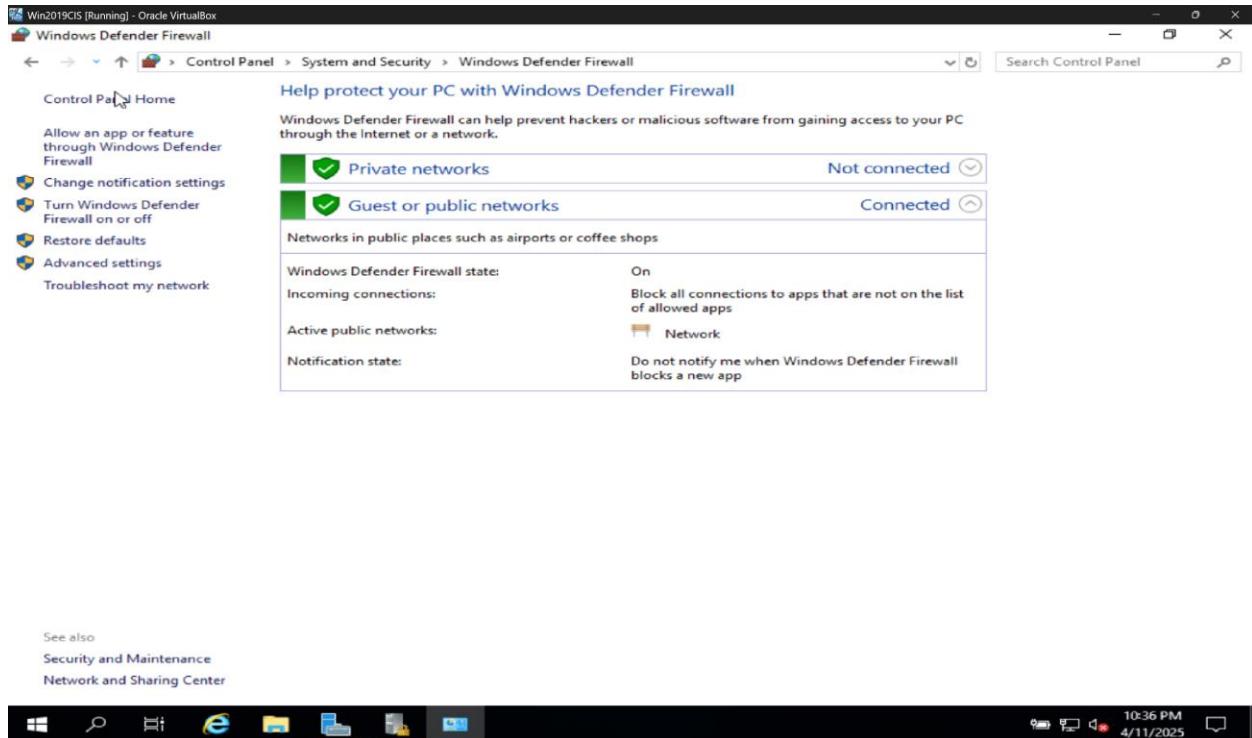
2.3.17.2 (L1)

Set “User Account Control: Behavior of the elevationprompt for administrators in Admin Approval Mode” to “Prompt for consent on the secure desktop”.

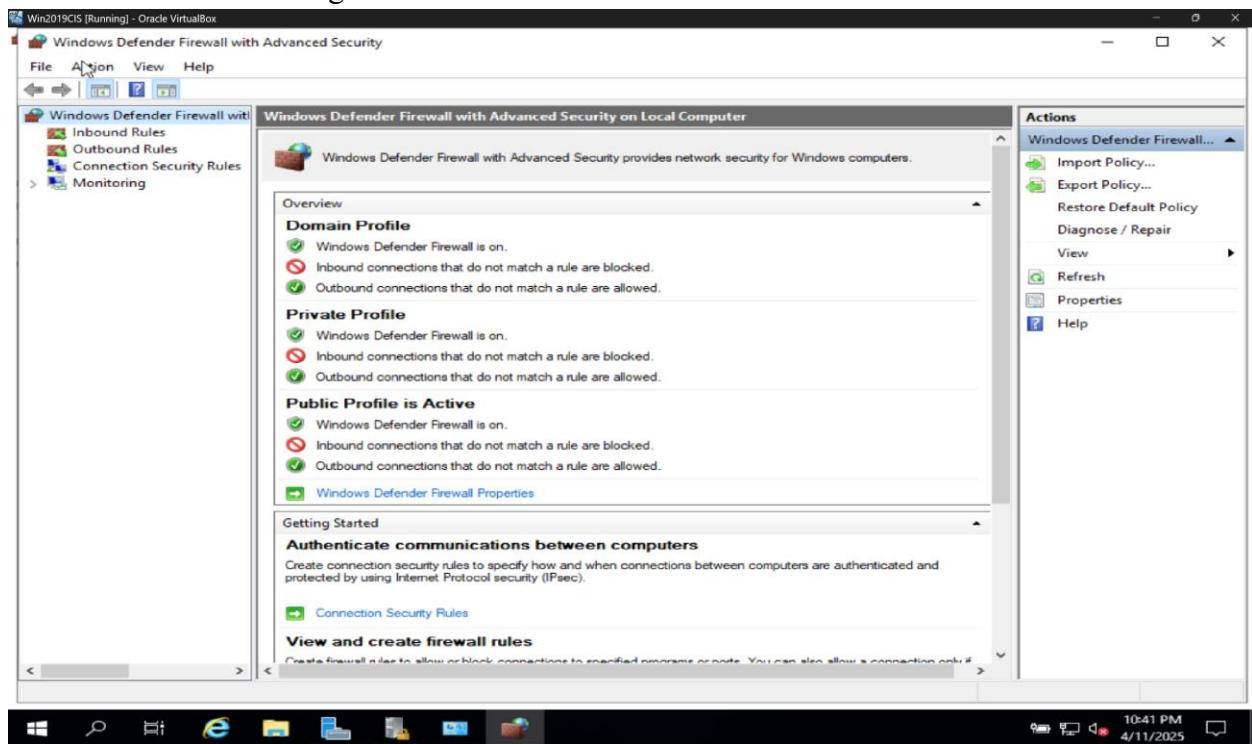


9.1.1 (L1)

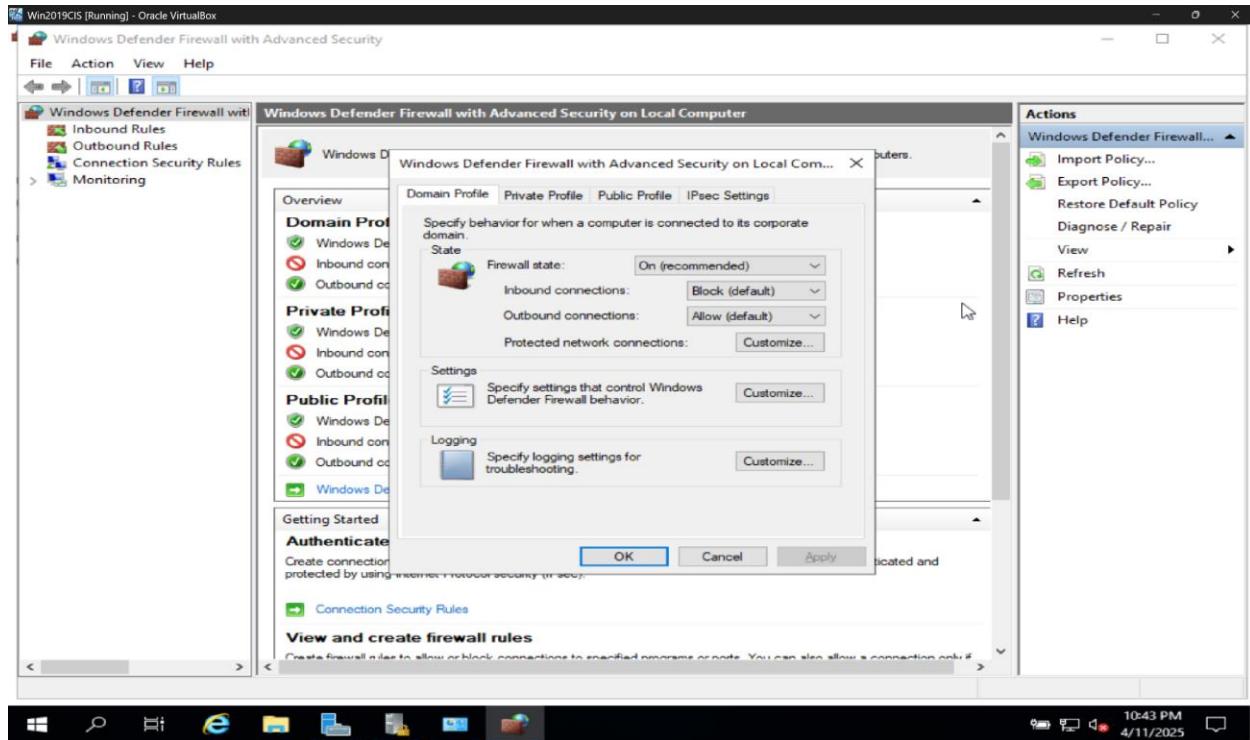
Go to Control Panel > System and Security > Windows Defender Firewall.



Locate “Advanced Settings” on the left sidebar.

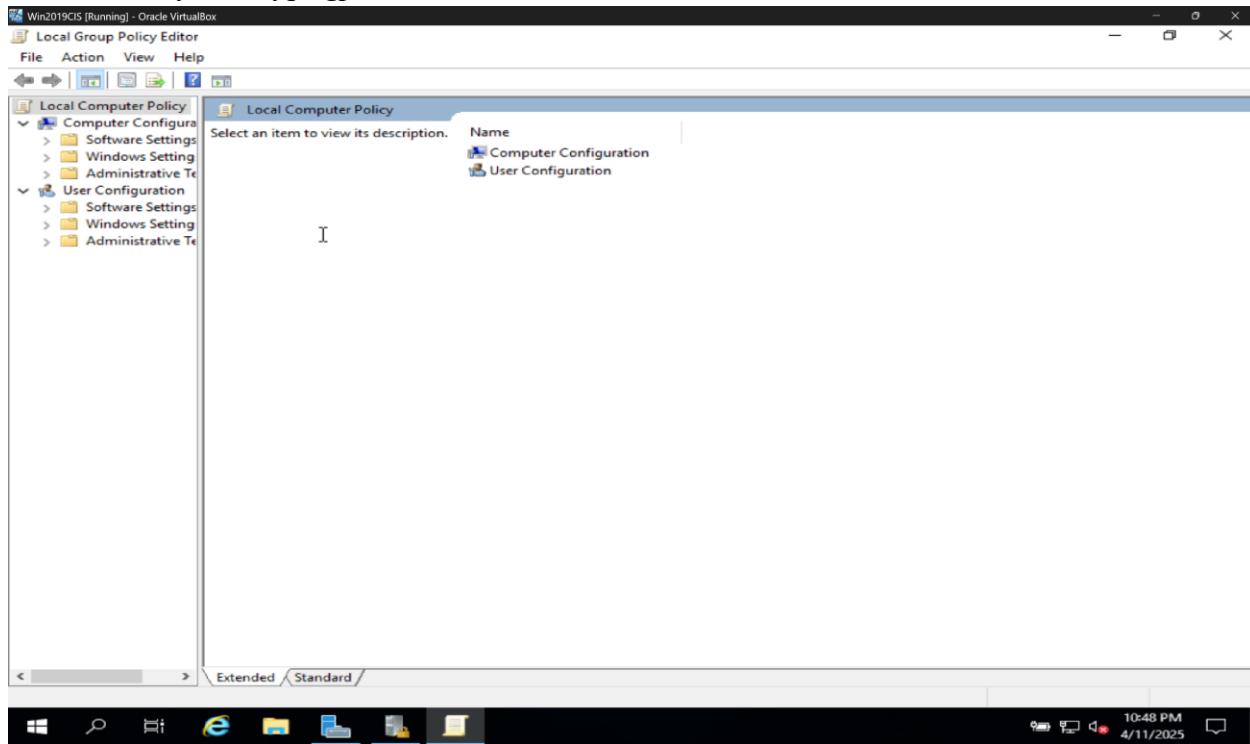


Select “Properties” on the right and set “Firewall State” to “On”, then hit Ok.

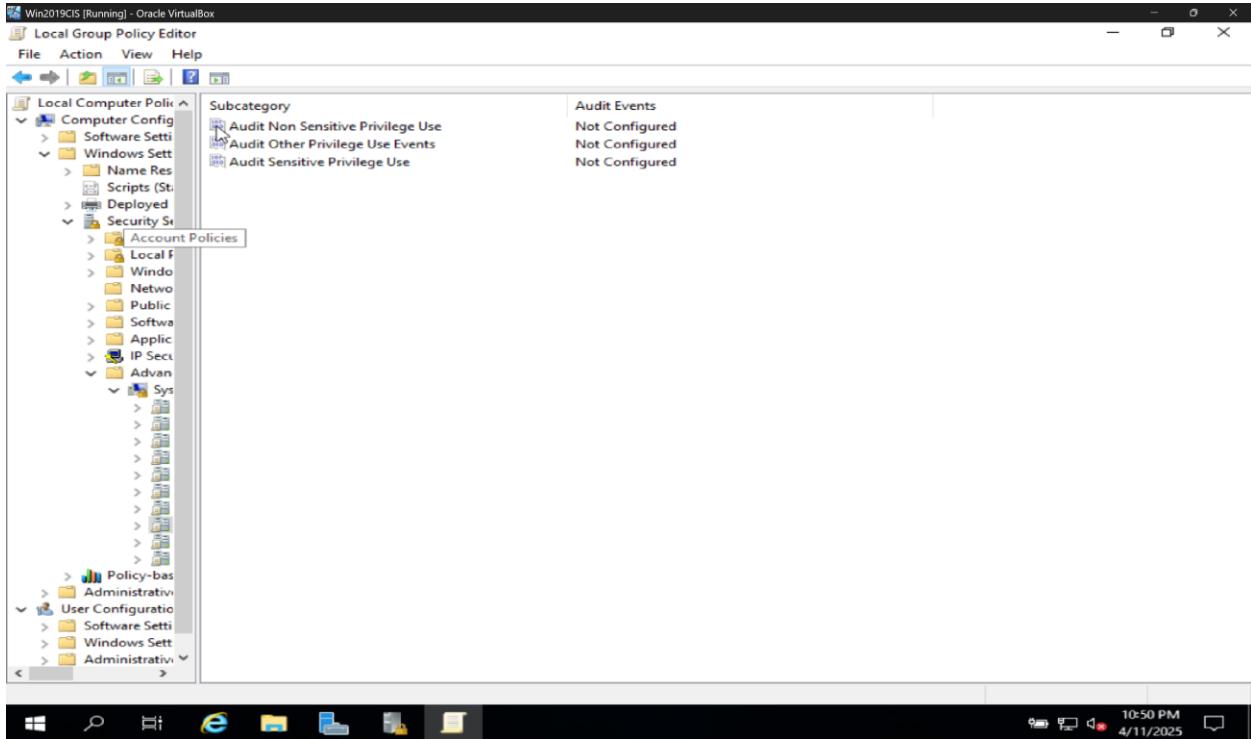


17.8.1 (L1)

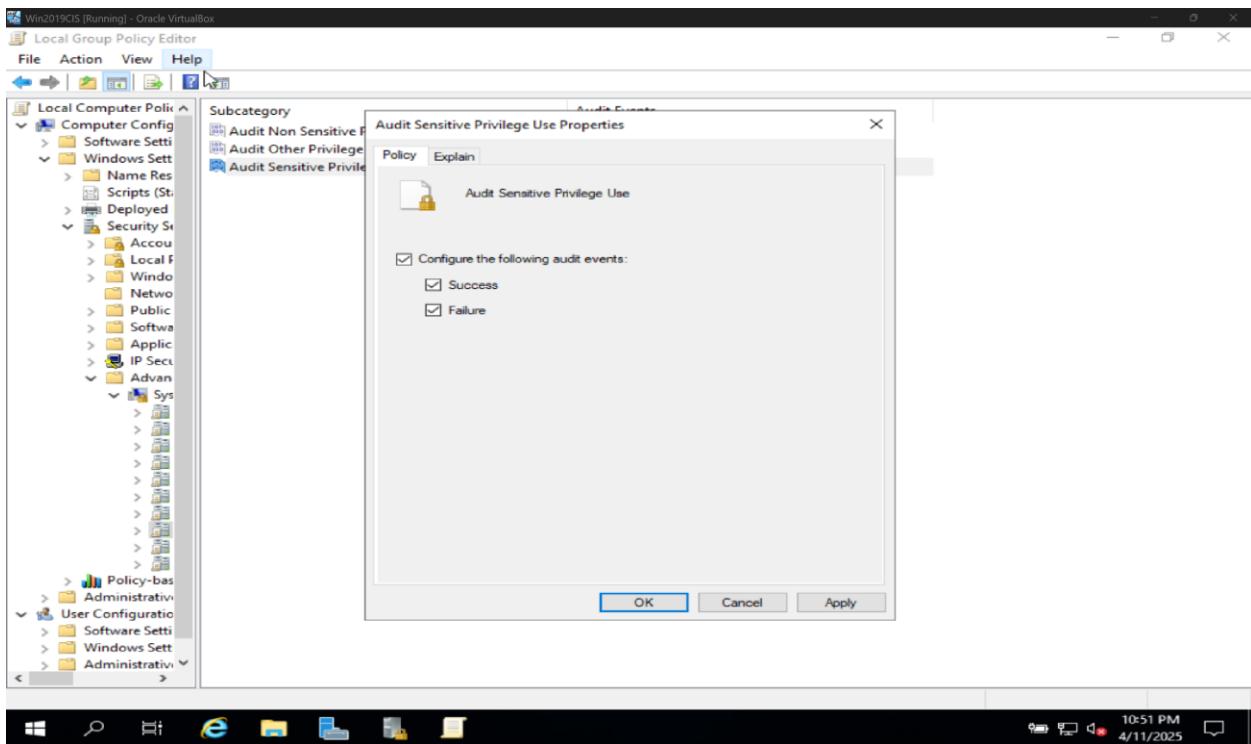
Windows Key + R, type *gpedit.msc*



Go to Computer Configuration > Windows Settings > Security Settings > Advanced Audit Policy Configuration > Audit Policies > Privilege Use

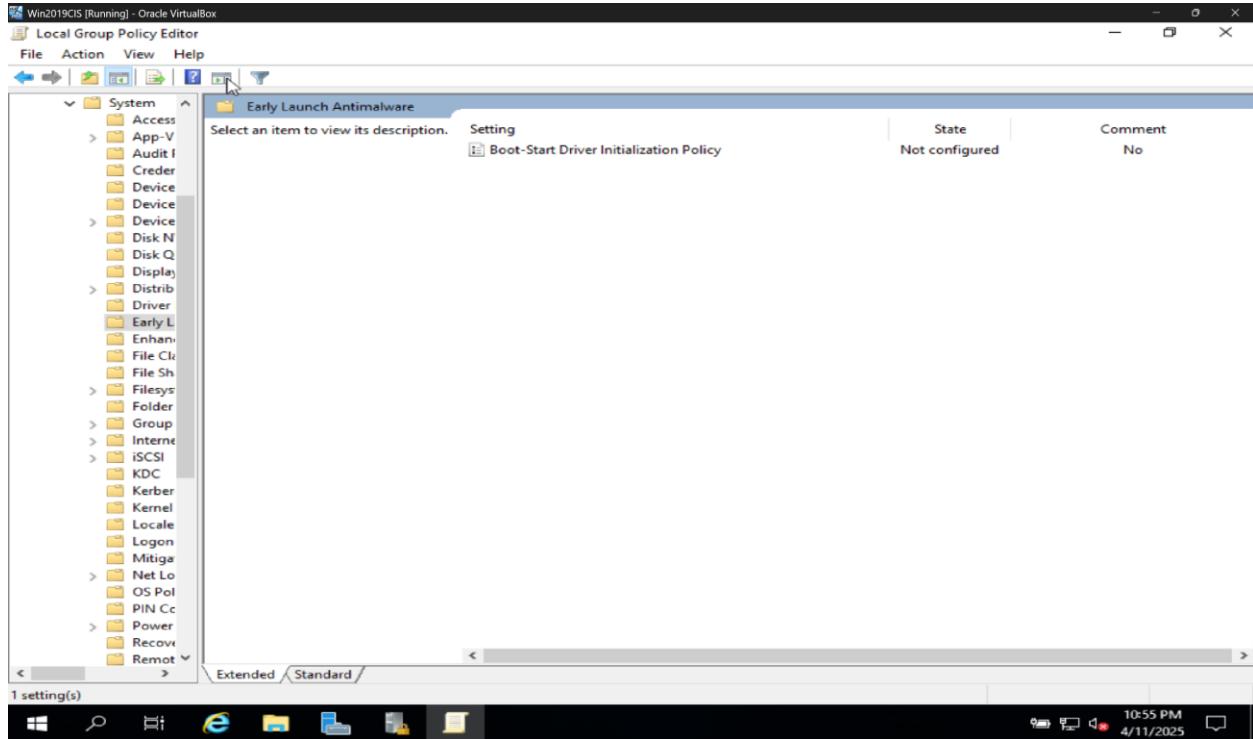


Double-click “Audit Sensitive Privilege Use”, and Check both “Success” and “Failure”, then hit Ok.

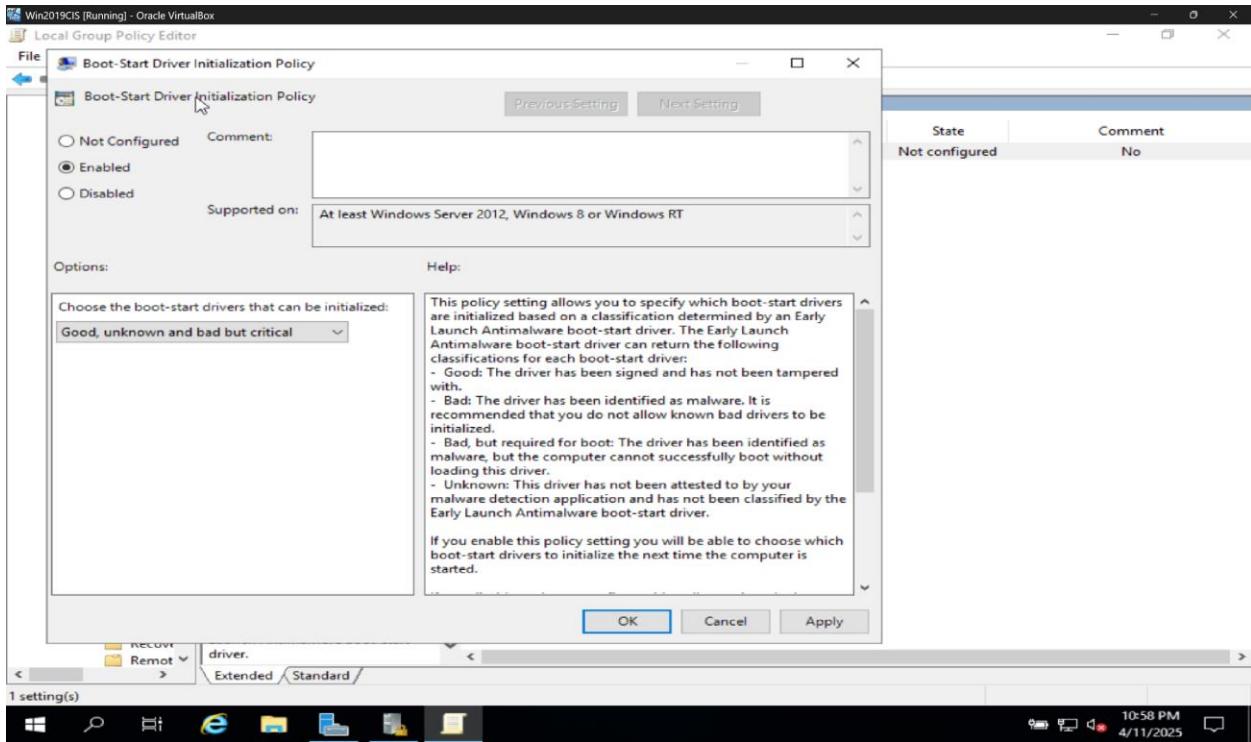


18.8.14.1 (L1)

Go to Computer Configuration > Administrative Templates > System > Early Launch Antimalware

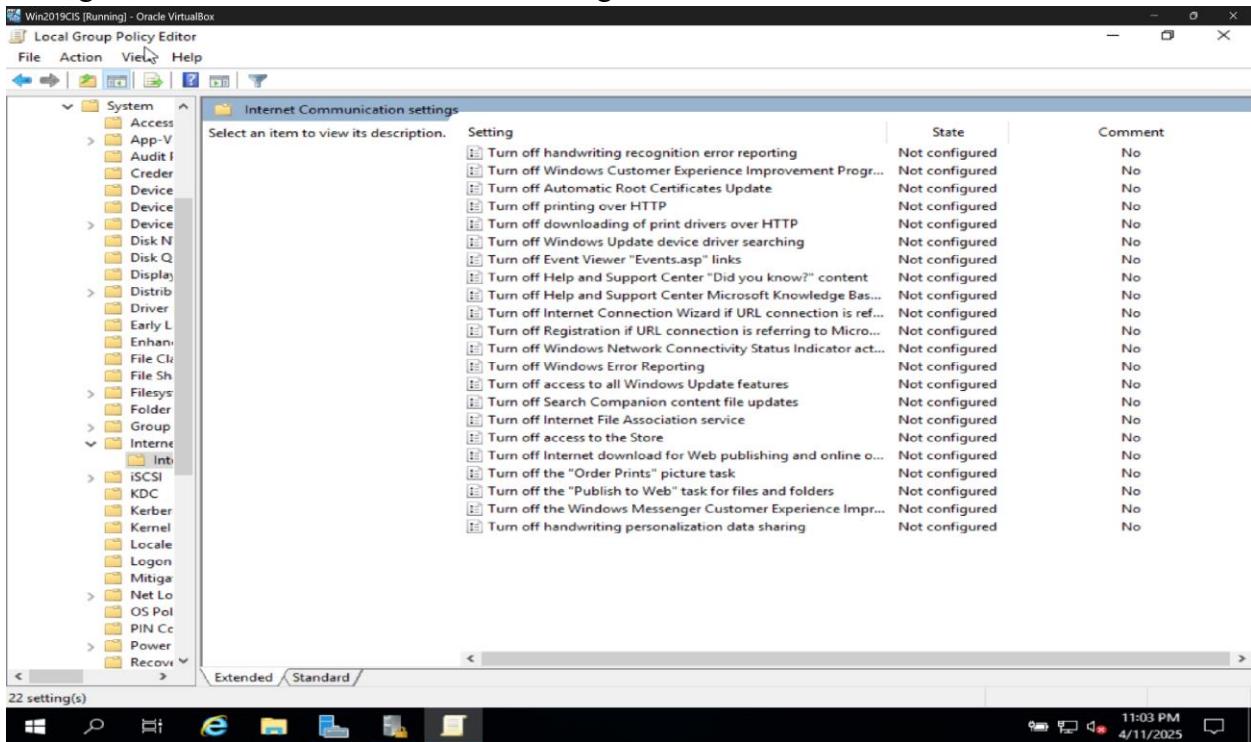


Set “Boot-Start Driver Initialization Policy” to “Enabled”, and select “Good, unknown and bad but critical” from the dropdown menu, then hit Ok.

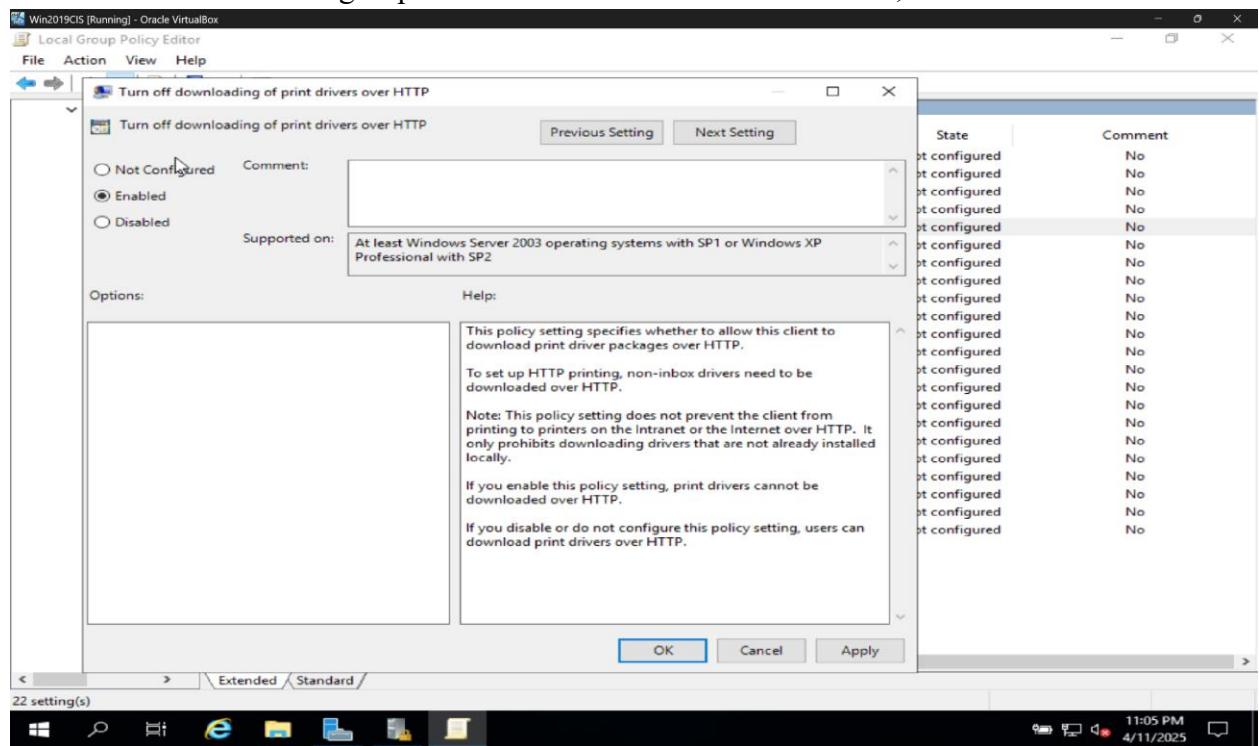


18.8.22.1.1 (L1)

Go to Computer Configuration > Administrative Templates > System > Internet Communication Management > Internet Communication settings



Set “Turn off downloading of print drivers over HTTP” to “Enabled”, then Hit Ok.



Numbers 3, 4, and 5

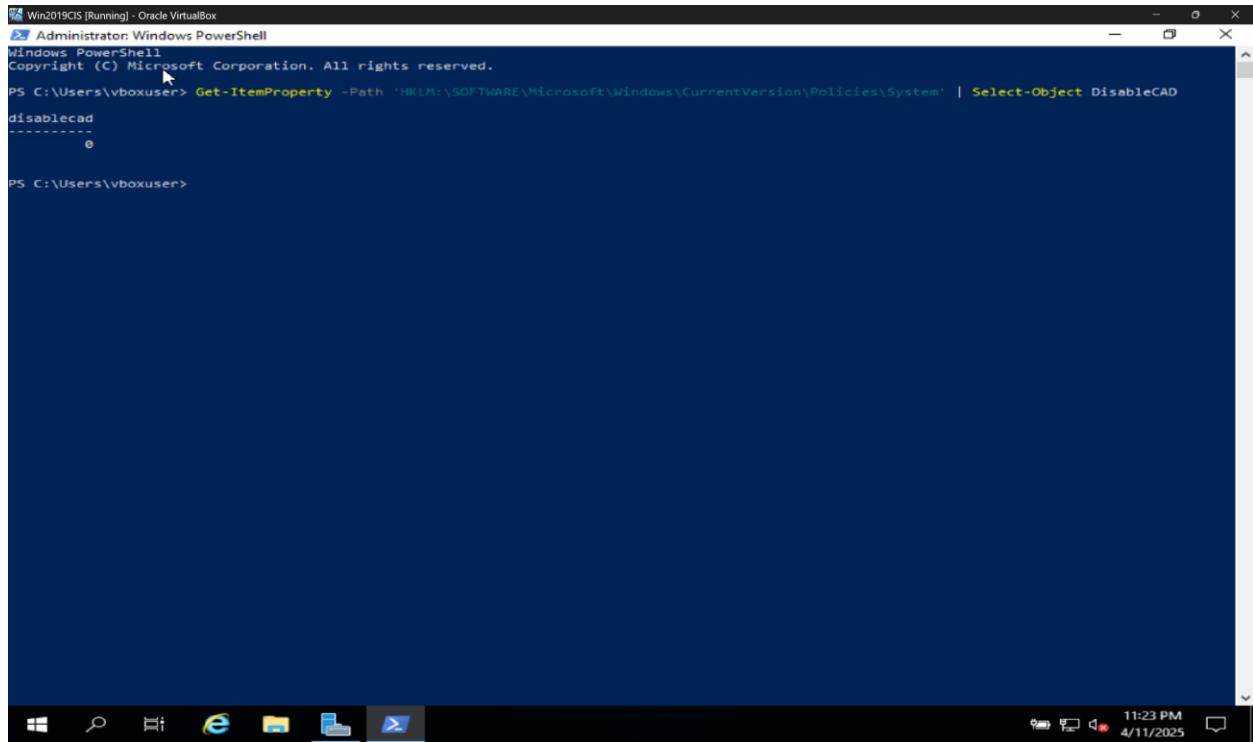
Why can the following setting not be applied to your WindowsCIS VM?

This is because I'm using Windows Server 2019 Datacenter Evaluation and not joined a domain, and it's configured as a standalone machine (Not a DC or part of an AD domain). "ENTERPRISE DOMAIN CONTROLLERS" is a domain group, and it doesn't exist on standalone or workgroup machines.

Check on 2.3.7.1 (L1). Open Windows PowerShell and type:

Get-ItemProperty -Path

```
'HKLM:\SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\System' | Select-Object -DisableCAD
```



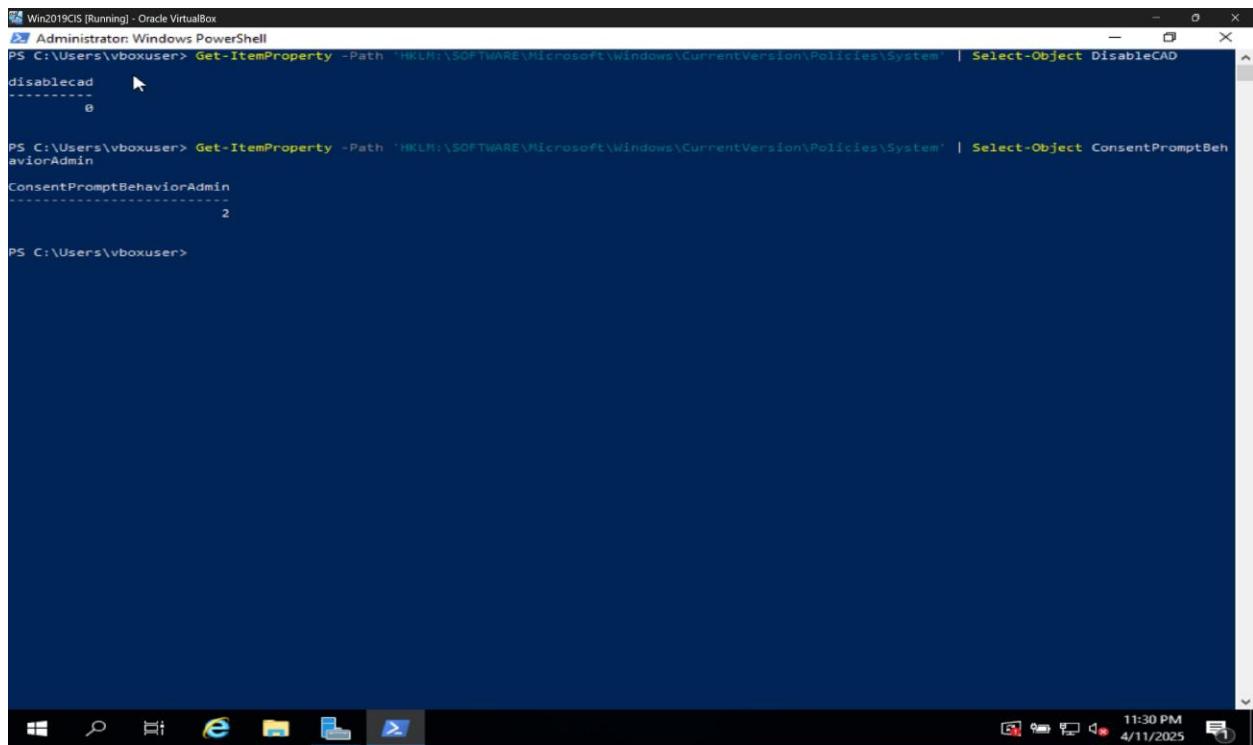
```
Win2019CIS [Running] - Oracle VirtualBox
Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

PS C:\Users\vboxuser> Get-ItemProperty -Path 'HKLM:\SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\System' | Select-Object DisableCAD
disablecad
-----
0

PS C:\Users\vboxuser>
```

Check on 2.3.17.2 (L1). Open Windows PowerShell and type:

*Get-ItemProperty -Path
'HKLM:\SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\System' | Select-Object
ConsentPromptBehaviorAdmin*



```
Win2019CIS [Running] - Oracle VirtualBox
Administrator: Windows PowerShell
PS C:\Users\vboxuser> Get-ItemProperty -Path 'HKLM:\SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\System' | Select-Object DisableCAD
disablecad
-----
0

PS C:\Users\vboxuser> Get-ItemProperty -Path 'HKLM:\SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\System' | Select-Object ConsentPromptBeh
aviorAdmin
ConsentPromptBehaviorAdmin
-----
2

PS C:\Users\vboxuser>
```

The message was displayed...

