

NETWORK INSTALLATION AND ADMINISTRATION II

LAB ASSIGNMENT 2 (PART I) - GPO

Teacher: Antoine Tohme

Student: Houman Sharifian alborzi



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COLLEGE JOHNABBOTTE

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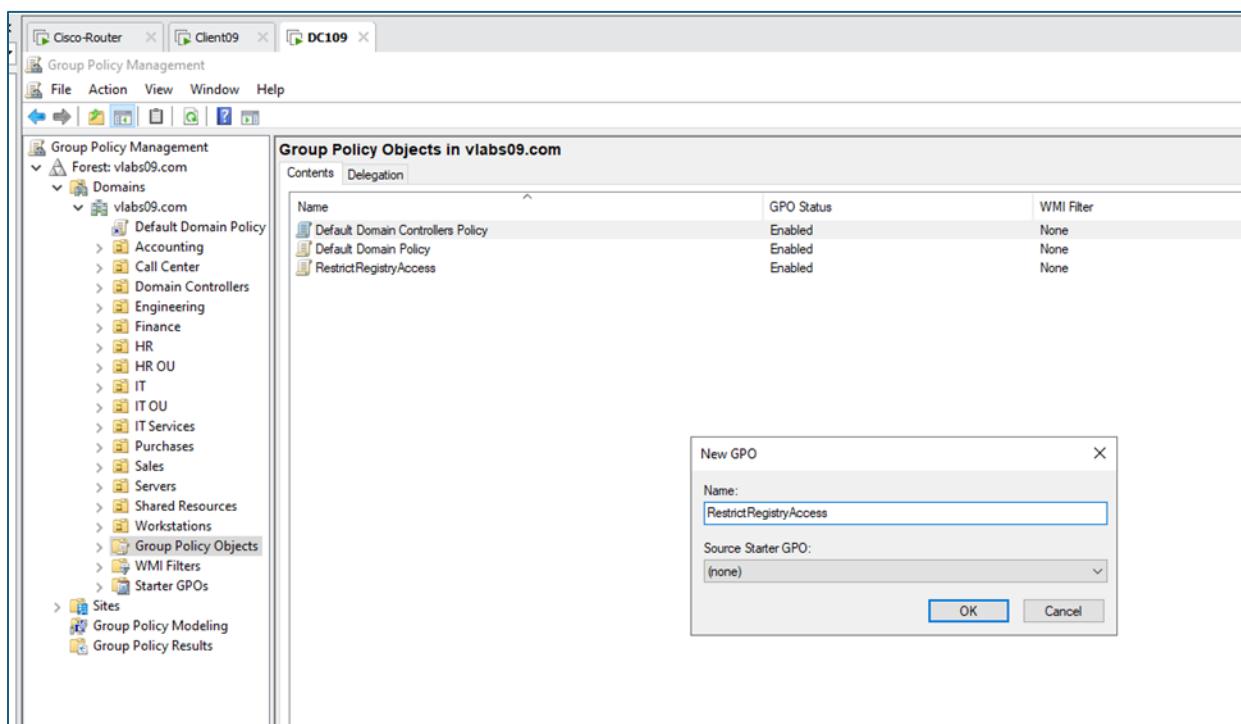
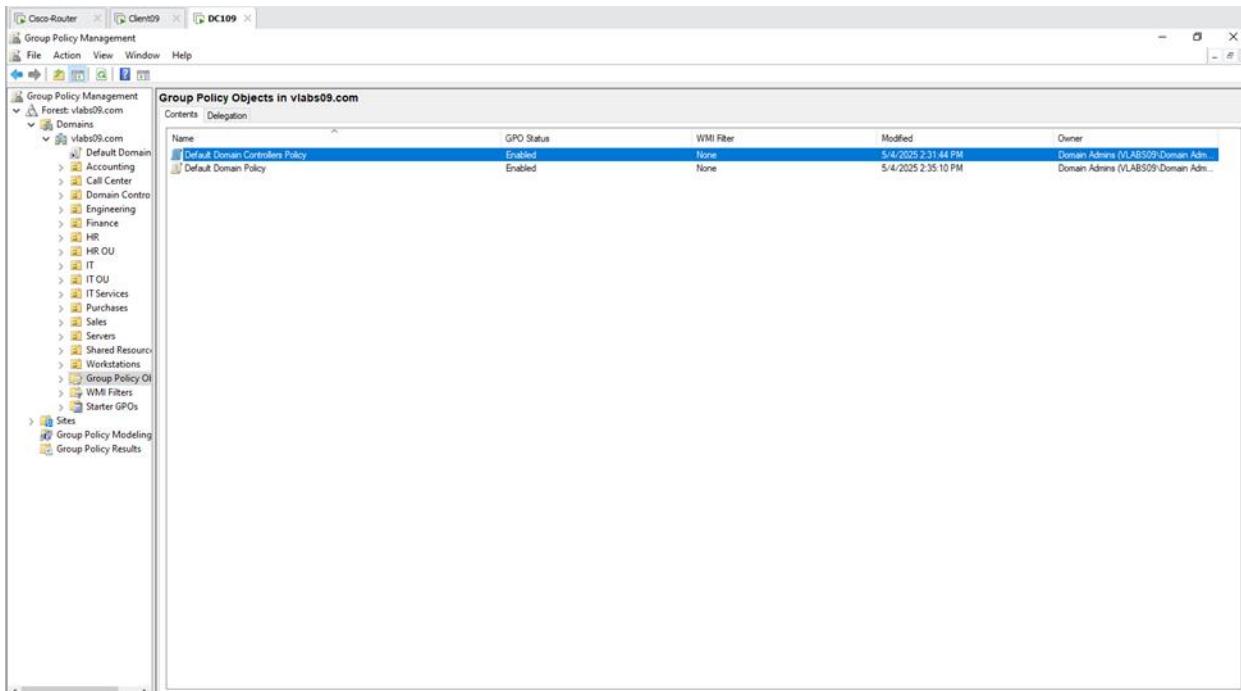
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Lab Overview

This lab is designed to understand and apply Group Policy Objects (GPOs) in a domain environment. It will be created, configured, and managed GPOs using both the GUI and PowerShell, apply security filtering, implement WMI filters, and test GPO processing order, enforcement, and inheritance rules. By the end of this lab, students should be able to effectively deploy and troubleshoot GPOs within an enterprise environment.

Task 1: Configuring Group Policy using GUI

1. Objective: Prevent users from opening the Windows Registry using a Group Policy Object (GPO).
2. GPO Name: RestrictRegistryAccess
3. Steps:
 - Create a new GPO named RestrictRegistryAccess.



- Configure the required setting to block access to the registry editing tools.

RestrictRegistryAccess

Scope Details Settings Delegation Status

Links

Display links in this location: vlab09.com

The following sites, domains, and OUs are linked to this GPO:

| Location | Enforced | Link Enabled | Path |
|----------|----------|--------------|--------------------|
| Finance | No | Yes | vlab09.com/Finance |

Security Filtering

The settings in this GPO can only apply to the following groups, users, and computers:

| Name |
|--------------------------|
| Finance (VLAB09\Finance) |

Add... Remove Properties

The screenshot shows the Windows Group Policy Management Editor interface. The left navigation pane lists several domains and their objects. The main pane displays a policy setting under the 'User Configuration' section. The policy is titled 'Prevent access to registry editing tools'. It has requirements for 'At least Windows 2000' and a description stating it disables the Windows registry editor Regedit.exe. A note explains that if enabled, a message appears when the user tries to start Regedit.exe. Another note states that if disabled or not configured, users can run Regedit.exe normally. The policy is part of the 'Administrative Templates' for 'Windows Settings'. The right pane shows a list of other policy settings, with 'Prevent access to registry editing tools' highlighted.

| Setting |
|-----------------------------------------------------------------|
| Prevent "Fix settings" functionality |
| Prevent access to Delete Browsing History |
| Prevent access to drives from My Computer |
| Prevent access to feed list |
| Prevent access to Internet Explorer Help |
| Prevent access to registry editing tools |
| Prevent access to the command prompt |
| Prevent adding Directory servers |
| Prevent adding UNC locations to index from Control Panel |
| Prevent adding, dragging, dropping and closing the Taskbar... |
| Prevent addition of printers |
| Prevent Application Sharing in true color |
| Prevent automatic acceptance of Calls |
| Prevent automatic discovery of feeds and Web Slices |
| Prevent AutoPlay from remembering user choices |
| Prevent Back-ESC mapping |
| Prevent bypassing SmartScreen Filter warnings |
| Prevent bypassing SmartScreen Filter warnings about files th... |
| Prevent bypassing Windows Defender SmartScreen prompts... |

Screenshot of the Group Policy Management console showing the Group Policy Objects in the vLabs09.com domain.

The left pane shows the navigation tree:

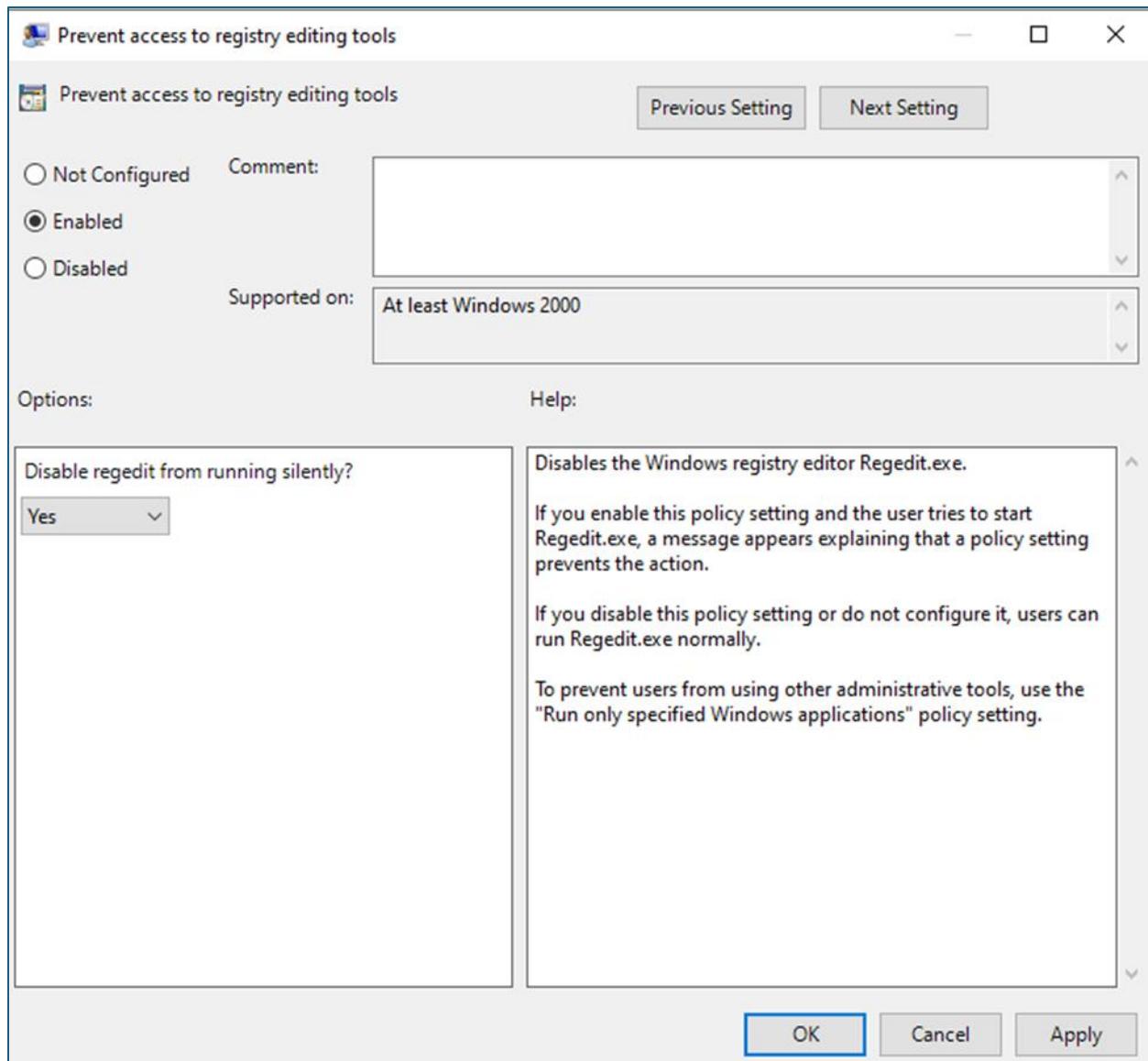
- Group Policy Management
- File Action View Window Help
- Forest: vLabs09.com
- Domains
 - vLabs09.com
 - Default Domain Policy
 - Accounting
 - Call Center
 - Domain Controllers
 - Engineering
 - Finance
 - HR
 - HR OU
 - IT
 - IT OU
 - IT Services
 - Purchases
 - Sales
 - Servers
 - Shared Resources
 - Workstations
 - Group Policy Objects
 - WMI Filters
 - Starter GPOs
 - Sites
 - Group Policy Modeling
 - Group Policy Results

The right pane displays the "Group Policy Objects in vLabs09.com" list:

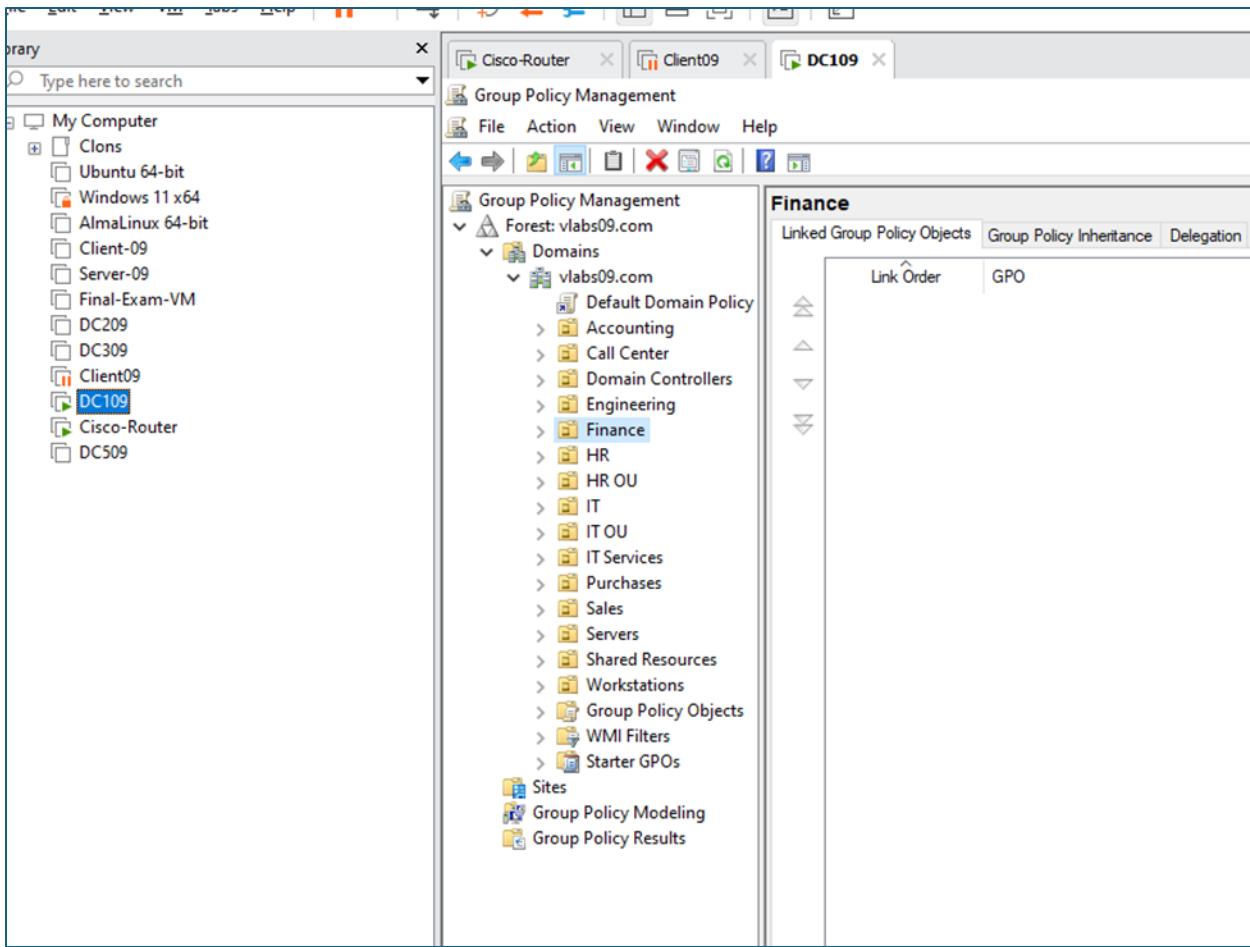
| Name | GPO Status | WMI Filter |
|-----------------------------------|------------|------------|
| Default Domain Controllers Policy | Enabled | None |
| Default Domain Policy | Enabled | None |
| RestrictRegistryAccess | Enabled | None |

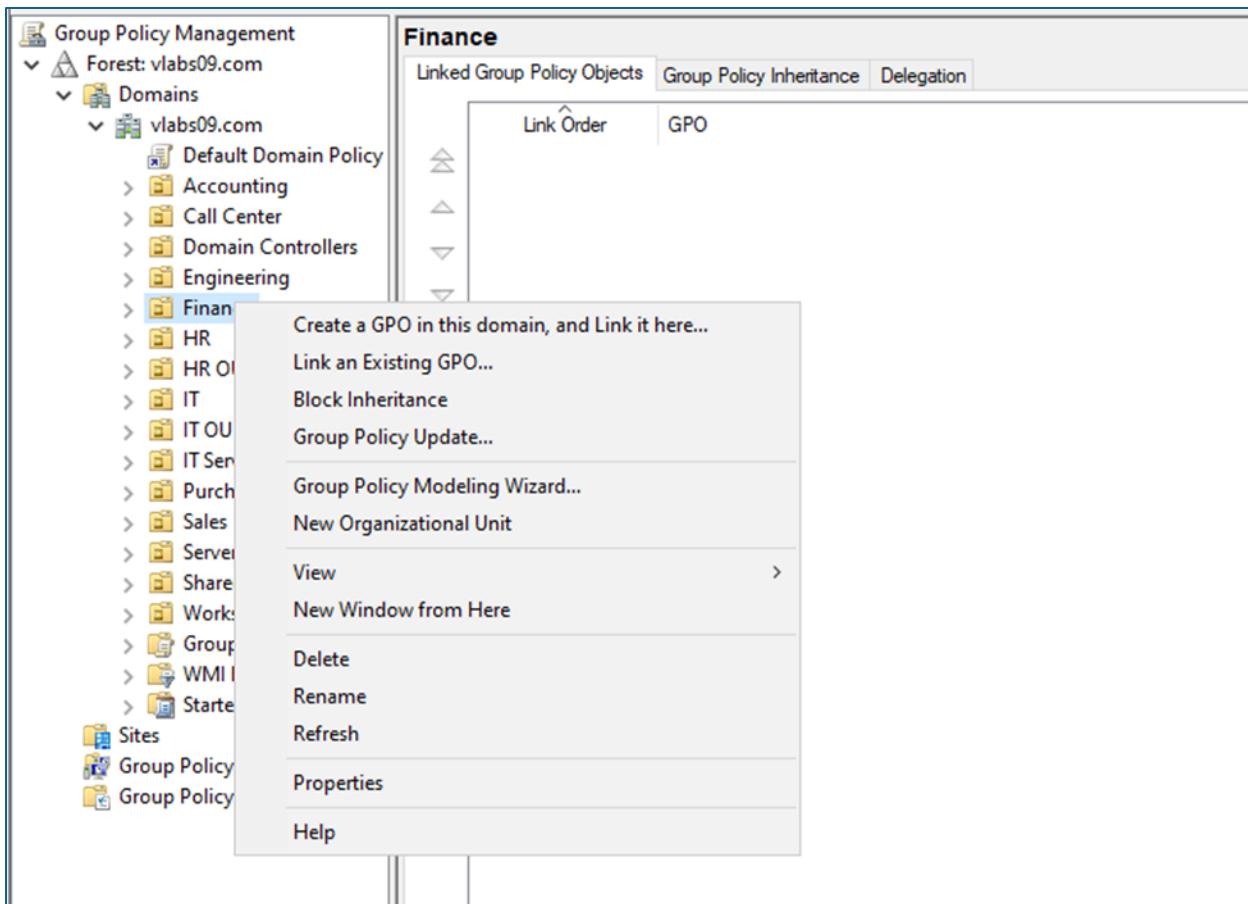
A context menu is open over the "RestrictRegistryAccess" GPO, listing the following options:

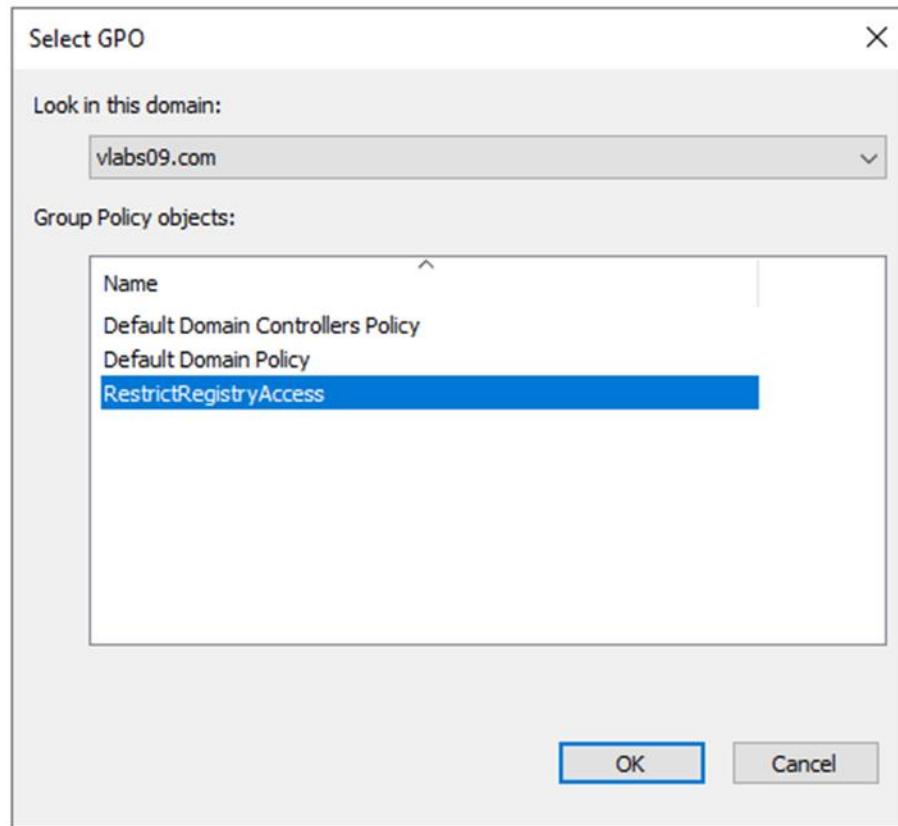
- Edit
- GPO Status
- Back Up...
- Restore from Backup...
- Import Settings...
- Save Report...
- Copy
- Delete
- Rename
- Refresh



- Link the GPO to the Finance OU.







- Use Security Filtering to ensure that Ava Mercier from Finance is not affected by this GPO.

Screenshot of the Group Policy Management console showing the configuration of the "RestrictRegistryAccess" GPO.

Group Policy Management - DC109

RestrictRegistryAccess

Scope tab selected.

Links section:

| Location | Enforced | Link Enabled | Path |
|----------|----------|--------------|---------------------|
| Finance | No | Yes | vlabs09.com/Finance |

Security Filtering section:

The settings in this GPO can only apply to the following groups, users, and computers:

| Name |
|---------------------------|
| Finance (VLABS09\Finance) |

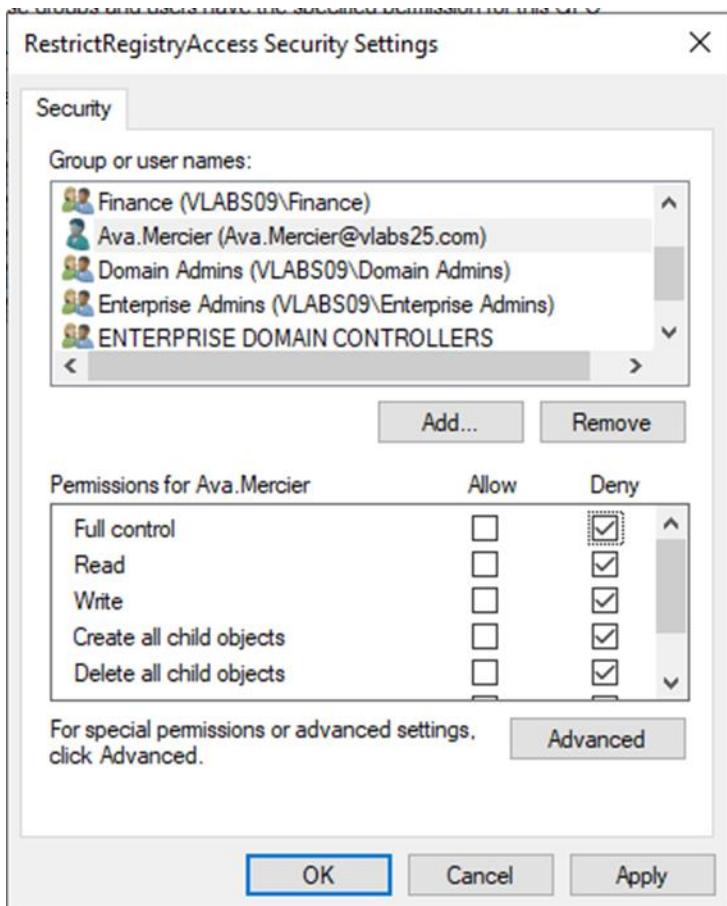
Details tab

These groups and users have the specified permission for this GPO:

| Name | Allowed Permissions | Inherited |
|-----------------------------------------------|----------------------------------------|-----------|
| Ava Mercier (VLABS09\Ava.Mercier) | Read | No |
| Domain Admins (VLABS09\Domain Admins) | Edit settings, delete, modify security | No |
| Enterprise Admins (VLABS09\Enterprise Admins) | Edit settings, delete, modify security | No |
| ENTERPRISE DOMAIN CONTROLLERS | Read | No |
| Finance (VLABS09\Finance) | Read (from Security Filtering) | No |
| SYSTEM | Edit settings, delete, modify security | No |

Add... Remove Properties Advanced...

A large red arrow points to the "Advanced..." button at the bottom right of the security filtering table.

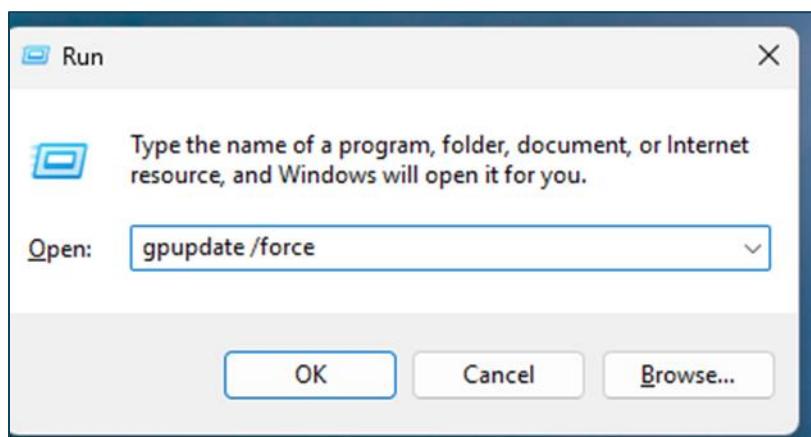
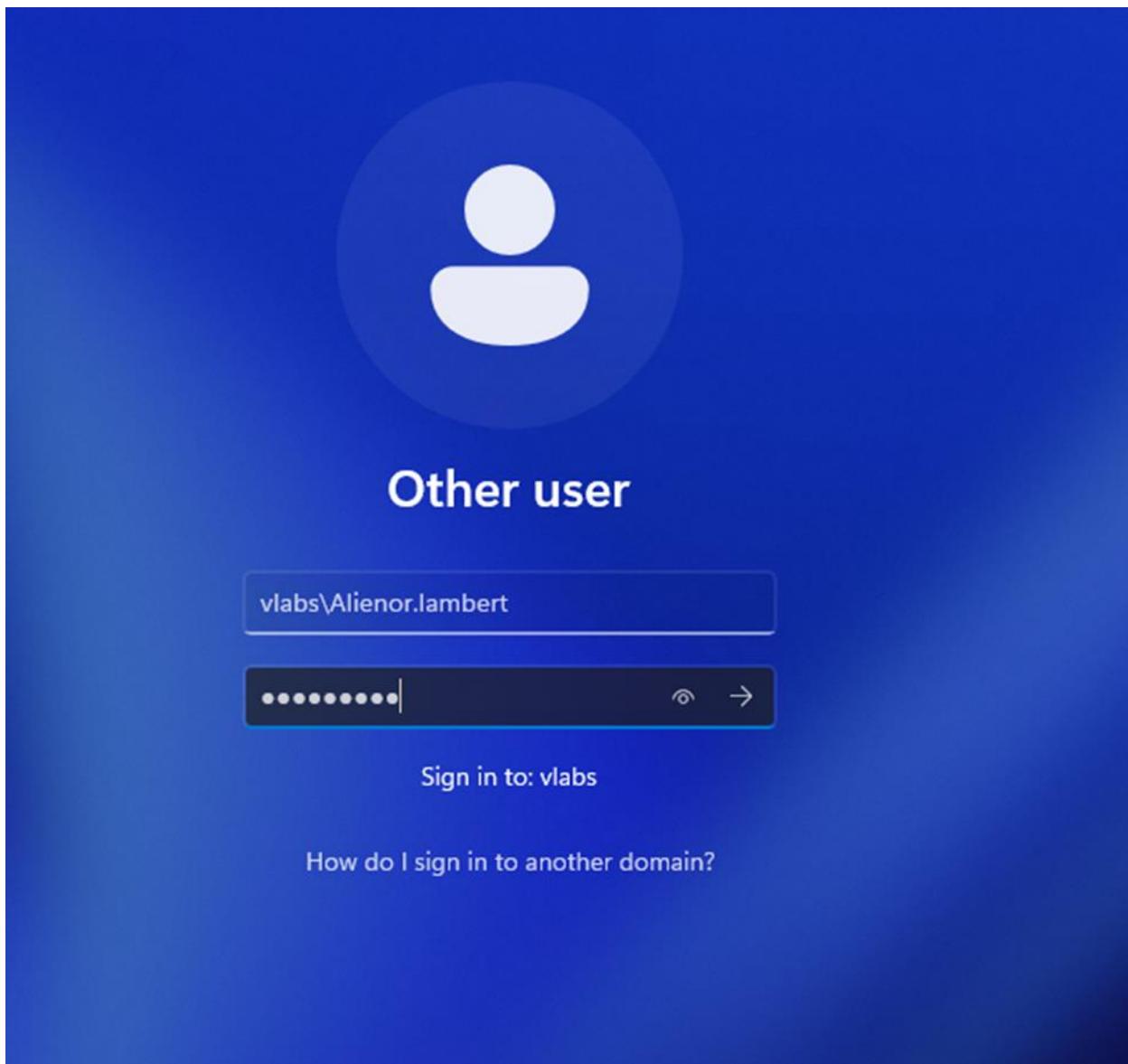


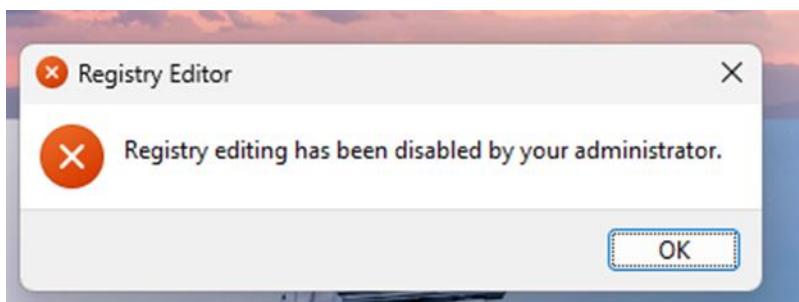
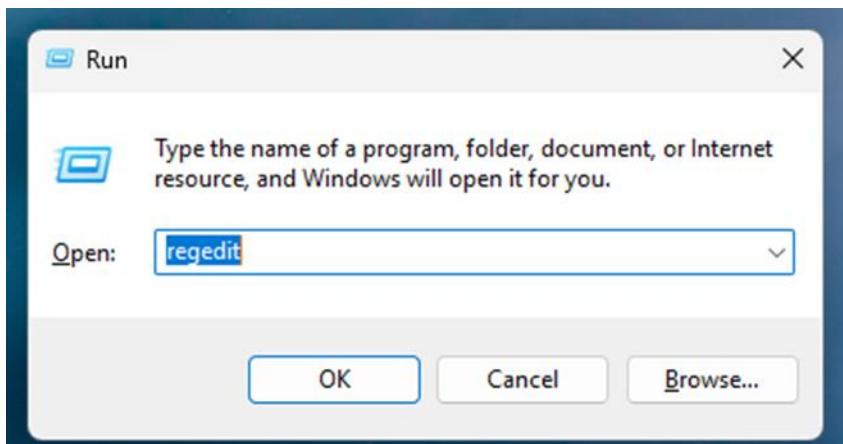
4. Testing:

- Log in to Client09 with any Finance user and verify that the registry editing tools are blocked.

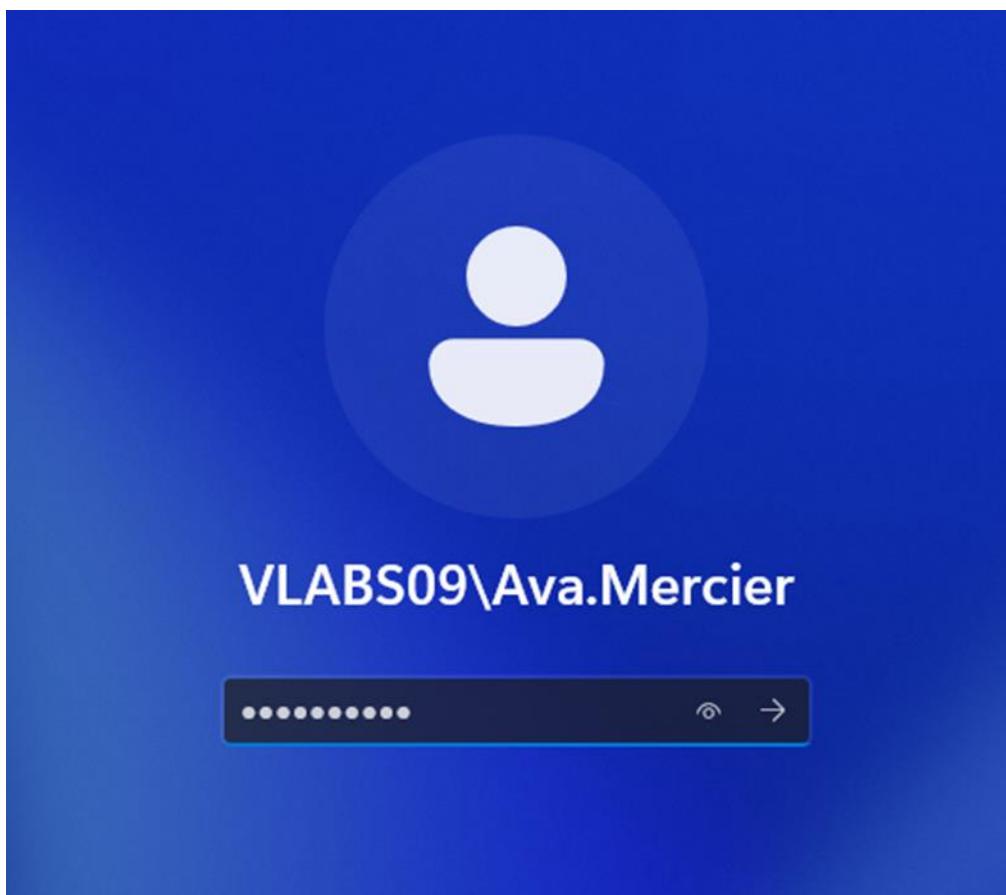
The screenshot shows the Windows Active Directory Users and Computers management console. The title bar indicates the session is running on DC109. The left navigation pane shows the organizational structure under 'vlabs09.com', including Accounting, Builtin, Call Center, Computers, Domain Controllers, Engineering, Finance, ForeignSecurityPrincipal, HR, HR OU, IT, IT OU, IT Services, Managed Service Account, Purchases, Sales, Servers, Shared Resources, Users, and Workstations. The 'Finance' container is selected. The main pane displays a table of users, with the 'Finance' security group listed as a security principal. The table columns are Name, Type, and Description. The 'Name' column lists 26 users, and the 'Type' column shows all are 'User'. The 'Description' column for the 'Finance' group is 'Security Group...'. The user 'Ava Mercier' is currently selected, highlighted with a blue selection bar.

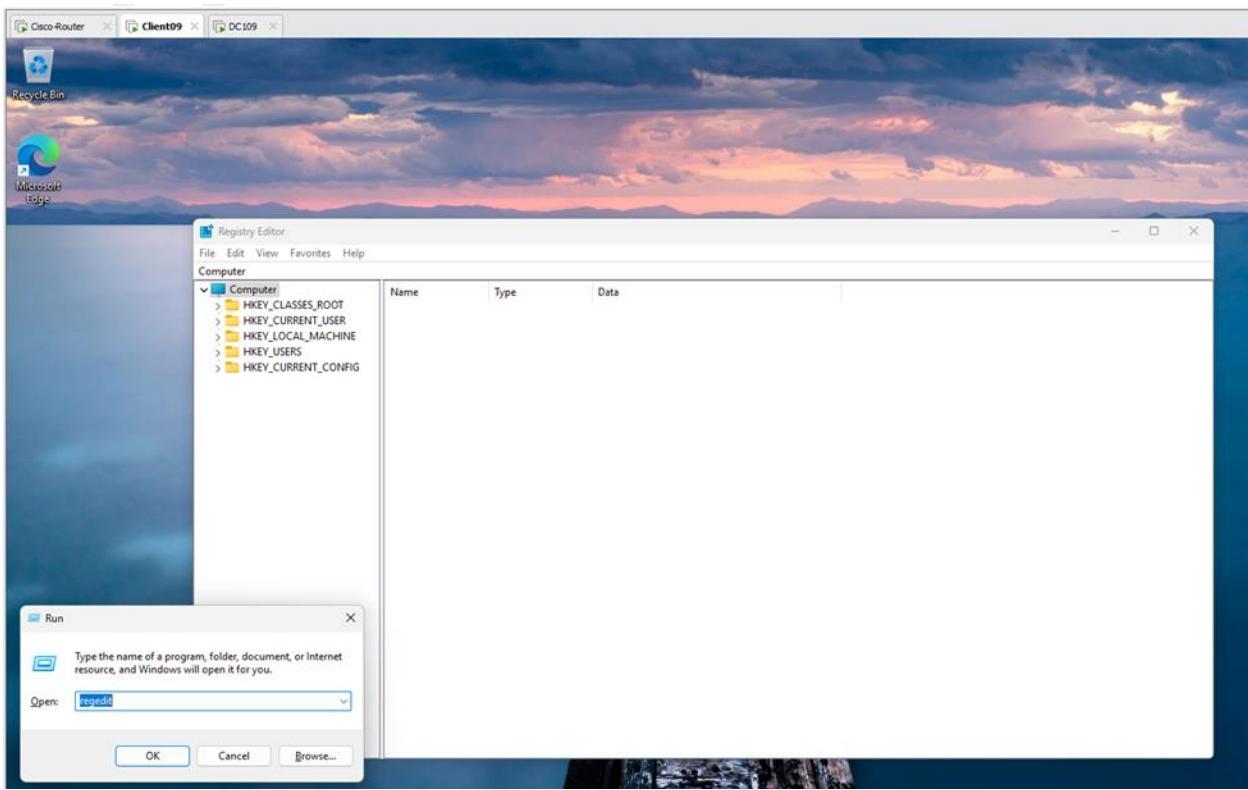
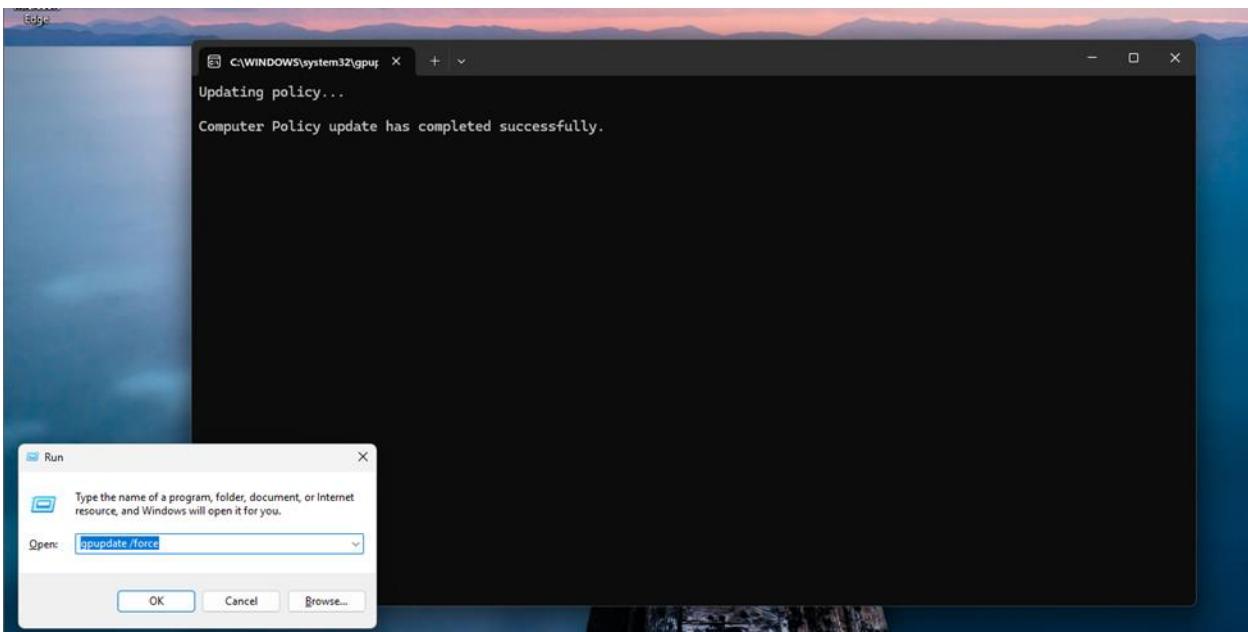
| Name | Type | Description |
|------------------|-------------------|-------------|
| Alienor Lambert | User | |
| Ava Mercier | User | |
| Aymeric Marty | User | |
| Carla Chevalier | User | |
| Chloe_Bernard | User | |
| Clovis Maillard | User | |
| Damien Bailly | User | |
| Eden Morin | User | |
| Esteban Leger | User | |
| Finance | Security Group... | |
| Flavie Duval | User | |
| Hugo Cousin | User | |
| Jeanne Meunier | User | |
| Juliette Giraud | User | |
| Kenzo Pelletier | User | |
| Lilou Barbier | User | |
| Louka Mallet | User | |
| Louna Leroux | User | |
| Malone Jacob | User | |
| Mathilde Lemoine | User | |
| Nathan Morel | User | |
| Noam Colin | User | |
| Nour Philippe | User | |
| Ryan Humbert | User | |
| Sarah Laurent | User | |
| Shana Lopez | User | |
| Tom Gilbert | User | |
| Zelie Dupuis | User | |





- Log in as Ava Mercier and confirm that the GPO does not apply.





Task 2: Configuring Group Policy using PowerShell

1. Objective: Disable access to the Control Panel using PowerShell.
2. GPO Name: DisableControlPanel
3. Steps (using PowerShell):
 - Create a new GPO named DisableControlPanel

```
PS C:\Users\Administrator> New-GPO -Name "DisableControlPanel" -Comment "GPO to restrict access to Control Panel"

DisplayName      : DisableControlPanel
DomainName       : vlabs09.com
Owner            : VLABS09\Domain Admins
Id               : e82d6367-e442-468f-9d4c-0c3bb870afbb
GpoStatus        : AllSettingsEnabled
Description      : GPO to restrict access to Control Panel
CreationTime     : 5/22/2025 8:26:39 AM
ModificationTime : 5/22/2025 8:26:40 AM
UserVersion      : AD Version: 0, SysVol Version: 0
ComputerVersion  : AD Version: 0, SysVol Version: 0
WmiFilter        :

PS C:\Users\Administrator>
```

- Configure the necessary settings to disable access to the Control Panel.

```
PS C:\Users\Administrator> Set-GPRegistryValue -Name "DisableControlPanel" -Key "HKCU\Software\Microsoft\Windows\CurrentVersion\Policies\Explor" -ValueName "NoControlPanel" -Type Dword -Value 1

DisplayName      : DisableControlPanel
DomainName       : vlabs09.com
Owner            : VLABS09\Domain Admins
Id               : e82d6367-e442-468f-9d4c-0c3bb870afbb
GpoStatus        : AllSettingsEnabled
Description      : GPO to restrict access to Control Panel
CreationTime     : 5/22/2025 8:26:39 AM
ModificationTime : 5/22/2025 8:28:36 AM
UserVersion      : AD Version: 1, SysVol Version: 1
ComputerVersion  : AD Version: 0, SysVol Version: 0
WmiFilter        :

PS C:\Users\Administrator>
```

- Link the GPO to the OU HR.

```

Cisco-Router Client09 DC109
Administrator: Windows PowerShell

PS C:\Users\Administrator> New-GPLink -Name "DisableControlPanel" -Target "OU=HR,DC=vlabs09,DC=com"

GpoId      : e82d6367-e442-468f-9d4c-0c3bb870afbb
DisplayName : DisableControlPanel
Enabled     : True
Enforced    : False
Target      : OU=HR,DC=vlabs09,DC=com
Order       : 1

PS C:\Users\Administrator>

```

- Use Security Filtering to ensure that Emma Petit from HR is not affected by this GPO.

```

Cisco-Router Client09 DC109
Administrator: Windows PowerShell

PS C:\Users\Administrator> Set-GPPermissions -Name "DisableControlPanel" -TargetName "Authenticated Users" -TargetType Group -PermissionLevel None

Group Policy requires each computer account to have permission to read GPO data from a domain controller in order for User Group Policy settings to be successfully applied. Removing the Authenticated Users group may prevent processing of User Group Policies. For more information, please see https://support.microsoft.com/kb/3163622
Do you want to continue ?
[Y] Yes [N] No [S] Suspend [?] Help (default is "Y"): y
WARNING: Group Policy requires each computer account to have permission to read GPO data from a domain controller in order for User Group Policy settings to be successfully applied. Please add the Domain Computers or the Authenticated Users security group with at least read-only permissions. For more information, please see https://support.microsoft.com/kb/3163622

DisplayName      : DisableControlPanel
DomainName       : vlabs09.com
Owner            : VLABS09\Domain Admins
Id               : e82d6367-e442-468f-9d4c-0c3bb870afbb
GpoStatus        : AllSettingsEnabled
Description      : GPO to restrict access to Control Panel
CreationTime     : 5/22/2025 8:26:39 AM
ModificationTime : 5/22/2025 9:00:48 AM
UserVersion      : AD Version: 1, SysVol Version: 1
ComputerVersion  : AD Version: 0, SysVol Version: 0
WmiFilter        :

PS C:\Users\Administrator>

```

```

Cisco-Router Client09 DC109
Administrator: Windows PowerShell

PS C:\Users\Administrator> Set-GPPermissions -Name "DisableControlPanel" -TargetName "HR" -TargetType Group -PermissionLevel GpoApply

DisplayName      : DisableControlPanel
DomainName       : vlabs09.com
Owner            : VLABS09\Domain Admins
Id               : e82d6367-e442-468f-9d4c-0c3bb870afbb
GpoStatus        : AllSettingsEnabled
Description      : GPO to restrict access to Control Panel
CreationTime     : 5/22/2025 8:26:39 AM
ModificationTime : 5/22/2025 12:06:10 PM
UserVersion      : AD Version: 1, SysVol Version: 1
ComputerVersion  : AD Version: 0, SysVol Version: 0
WmiFilter        :

PS C:\Users\Administrator>

```

```
PS C:\Users\Administrator> Set-GPPermissions -Name "DisableControlPanel" -TargetName "Emma.Petit" -TargetType User -PermissionLevel None

DisplayName      : DisableControlPanel
DomainName       : vlabs09.com
Owner            : VLABS09\Domain Admins
Id               : e82d6367-e442-468f-9d4c-0c3bb870afbb
GpoStatus        : AllSettingsEnabled
Description      : GPO to restrict access to Control Panel
CreationTime     : 5/22/2025 8:26:39 AM
ModificationTime : 5/22/2025 12:06:10 PM
UserVersion      : AD Version: 1, SysVol Version: 1
ComputerVersion  : AD Version: 0, SysVol Version: 0
WmiFilter        :
```

4. Testing: (Don't forget to run gpupdate /force on the client before each test)
 1. Log in to ClientXX with any HR user and verify that the Control Panel is disabled.

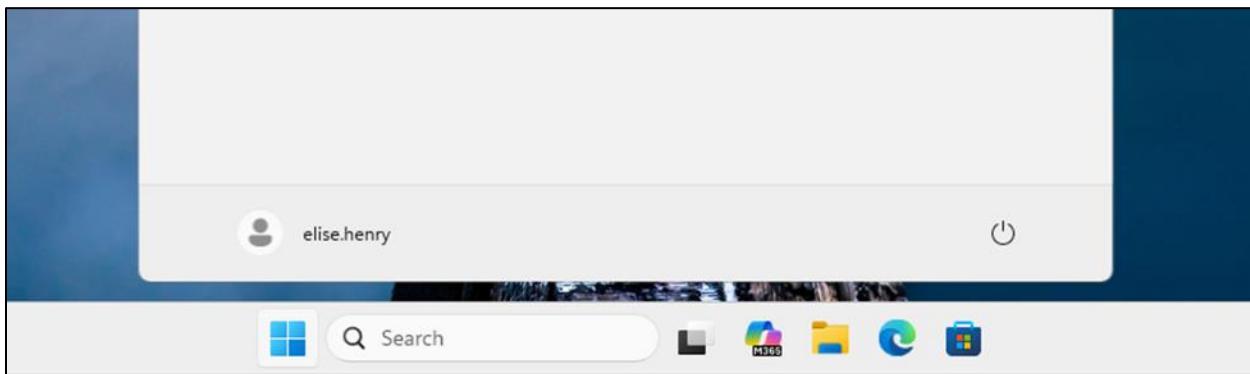
Cisco-Router X Client09 X DC109 X

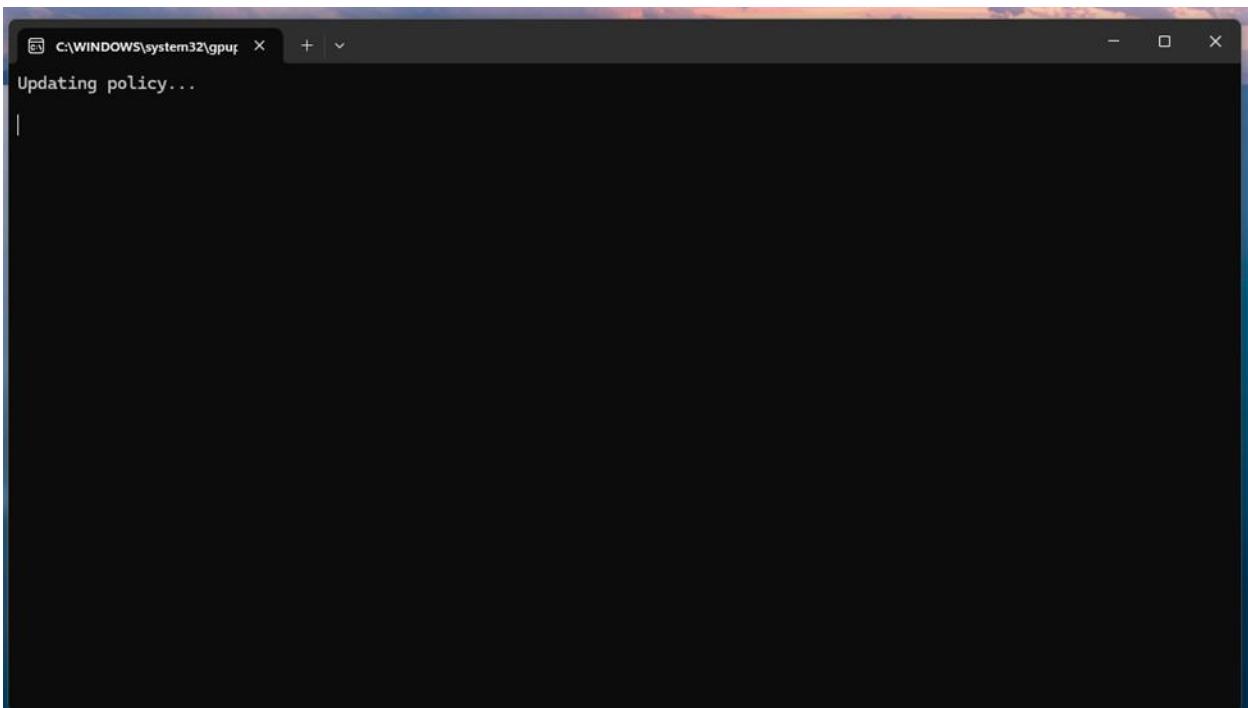
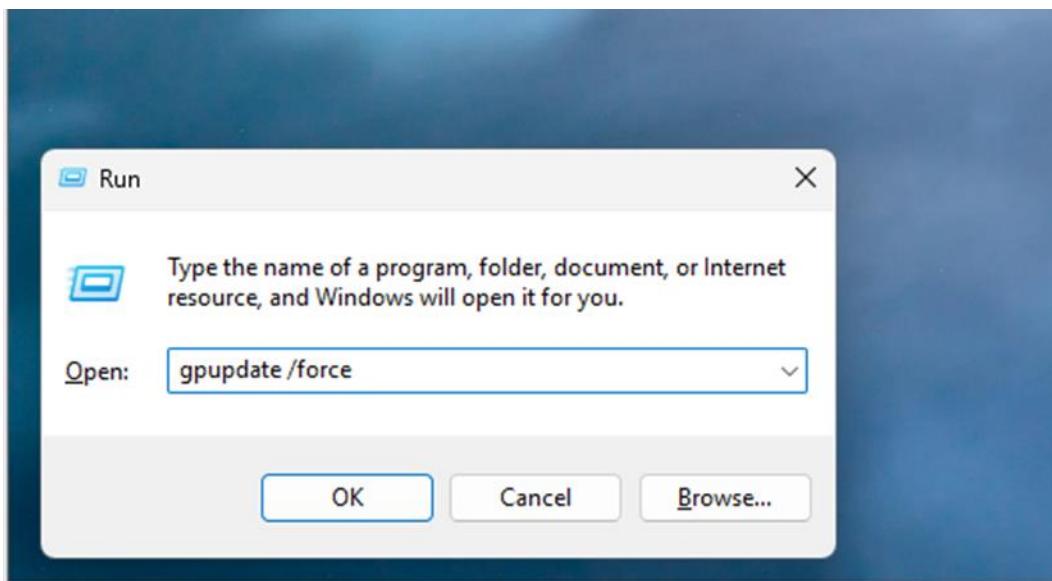
Active Directory Users and Computers

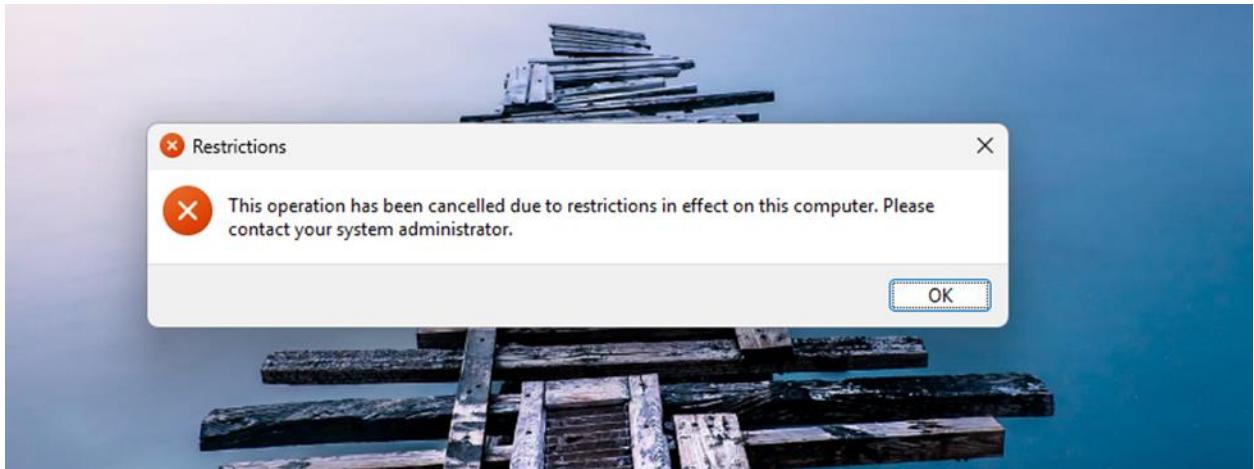
File Action View Help

Active Directory Users and Com
Saved Queries
vlabs09.com
Accounting
BuiltIn
Call Center
Computers
Domain Controllers
Engineering
Finance
ForeignSecurityPrincipal:
HR
HR OU
IT
IT OU
IT Services
Managed Service Accou
Purchases
Sales
Servers
Shared Resources
Users
Workstations

| Name | Type | Description |
|-------------------|-------------------|-------------|
| Adem Vasseur | User | |
| Ambre Rousseau | User | |
| Andrea Klein | User | |
| Benjamin Guyot | User | |
| Blanche Guerin | User | |
| Charlie Legrand | User | |
| Dylan Schneider | User | |
| elise Henry | User | |
| Emma Petit | User | |
| Ethan Michel | User | |
| Evan Julien | User | |
| Giulia Dumont | User | |
| HR | Security Group... | |
| Ilian Breton | User | |
| Killian Perrier | User | |
| Lina Rivière | User | |
| Livia Martinez | User | |
| Madeline Vidal | User | |
| Marvin Michaud | User | |
| Ombeline Pierre | User | |
| Oscar DaSilva | User | |
| Raphael Girard | User | |
| Tanguy Perret | User | |
| Tess Dupuy | User | |
| Valentin Delaunay | User | |

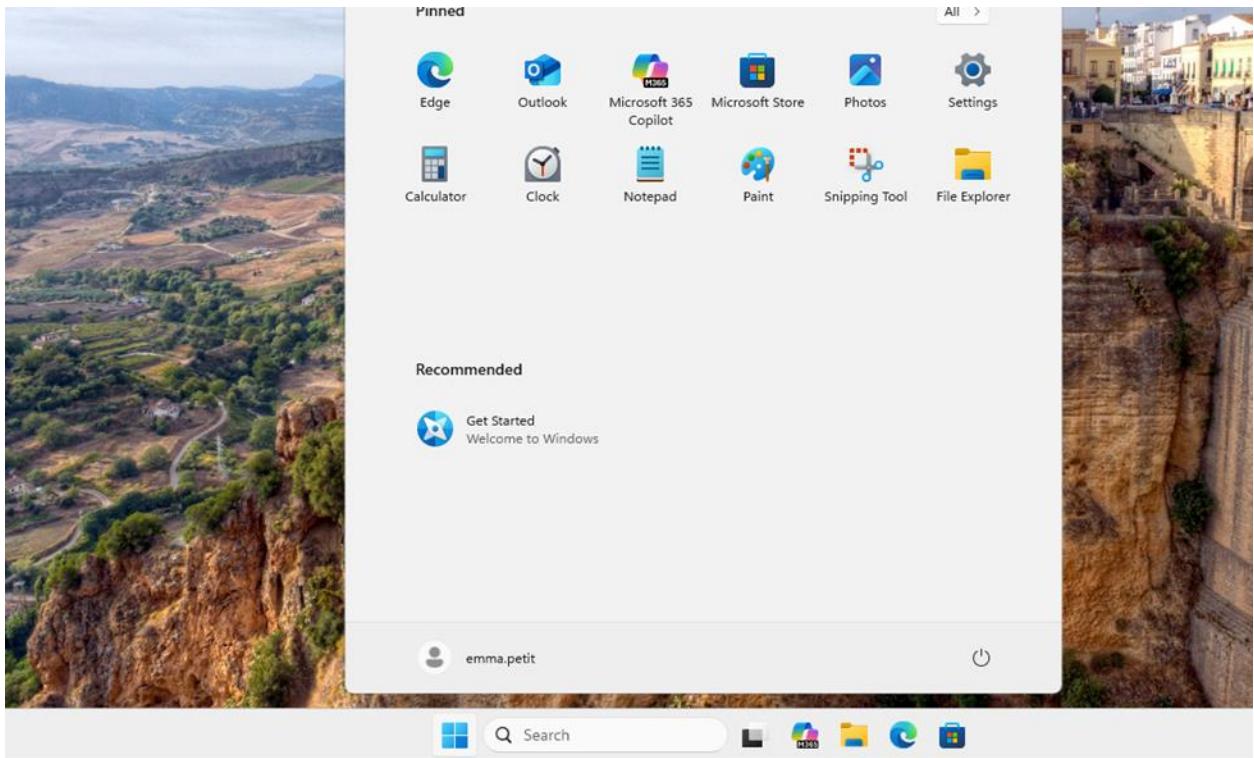




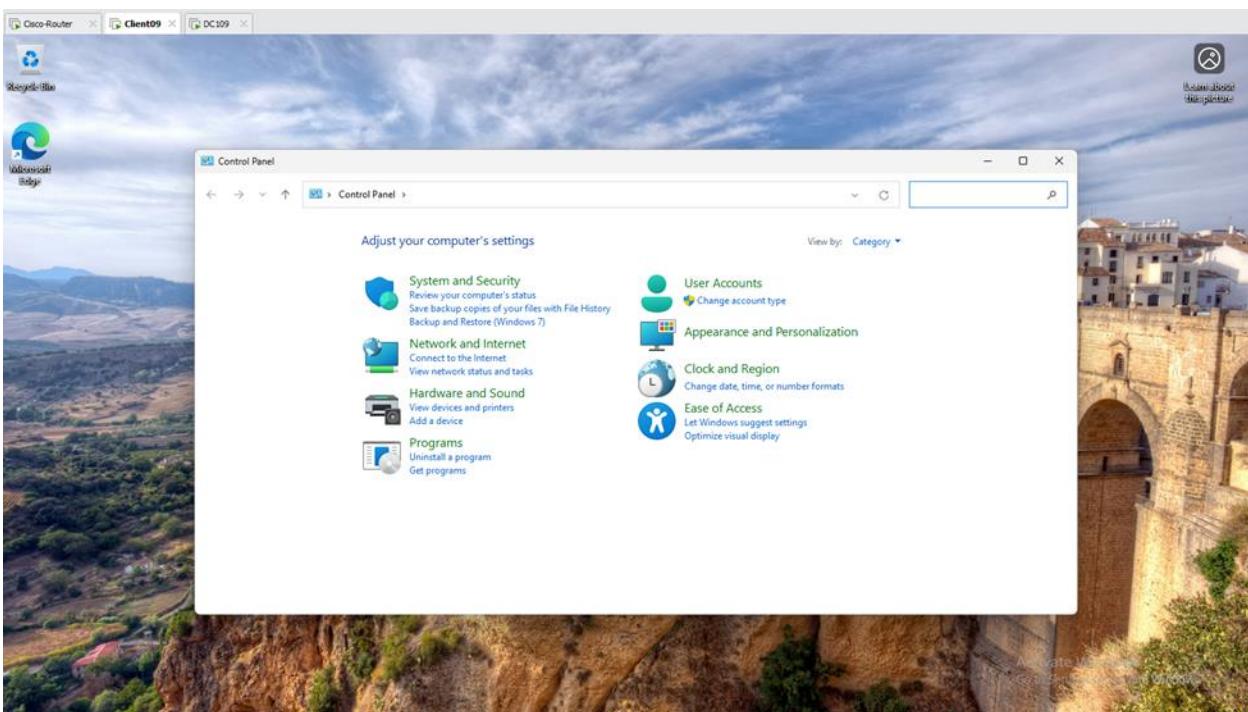
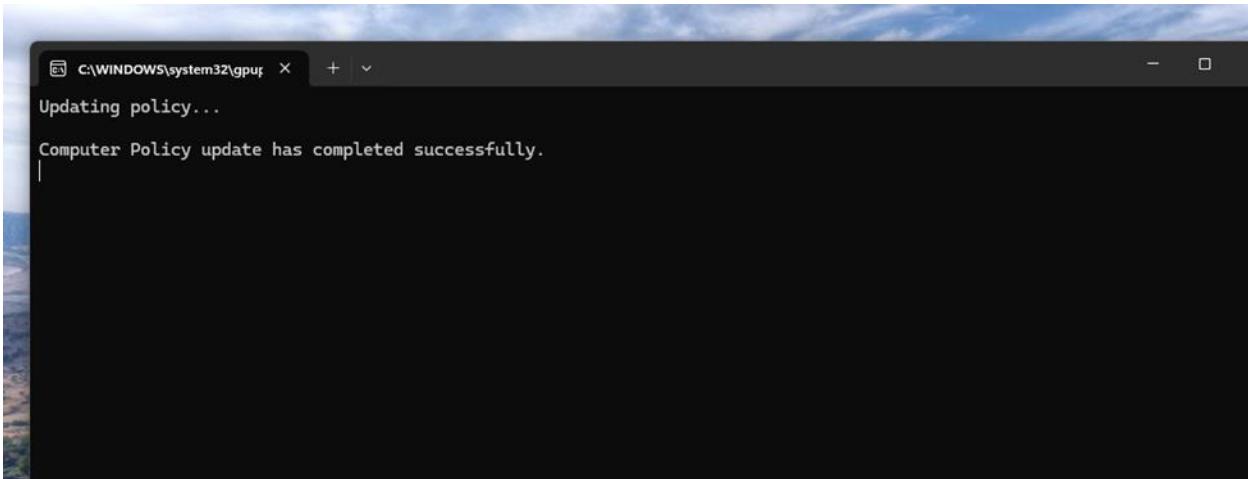


2. Log in as Emma Petit and confirm that the GPO does not apply.

For does not apply GPO for Emma I remove her account to another account from HR group like HR-Manager or something like that.

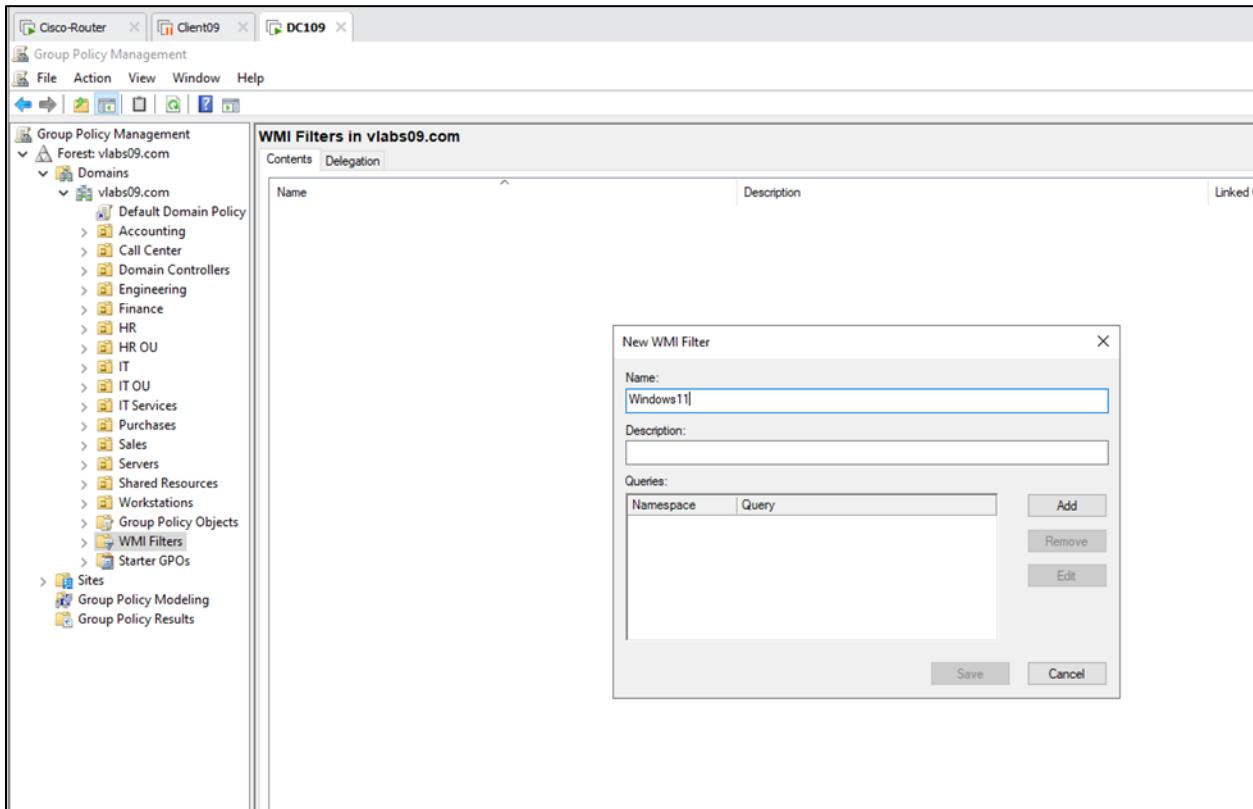


```
gpupdate /force
```

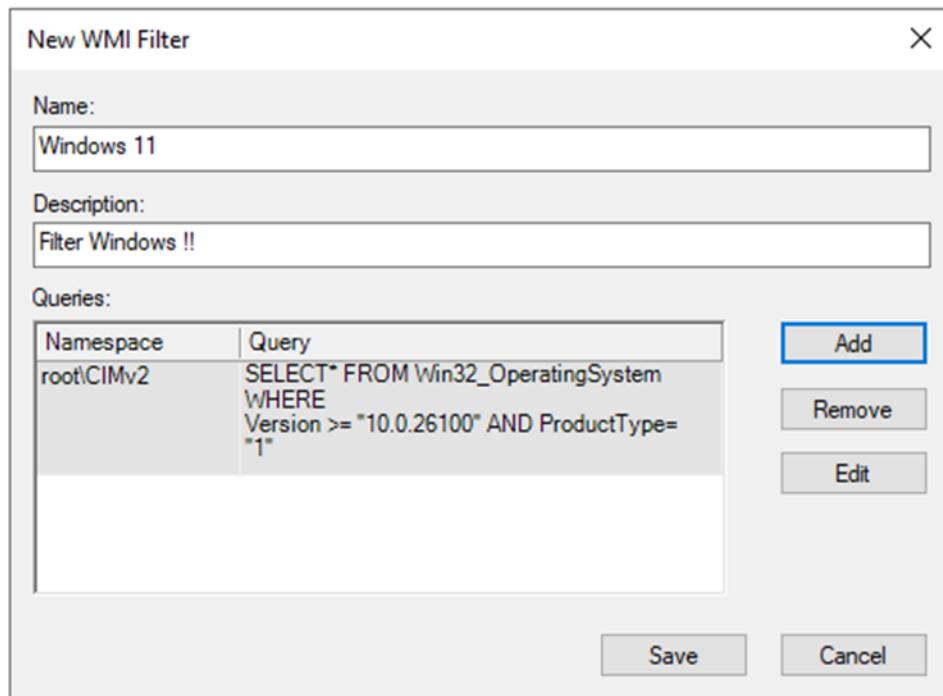
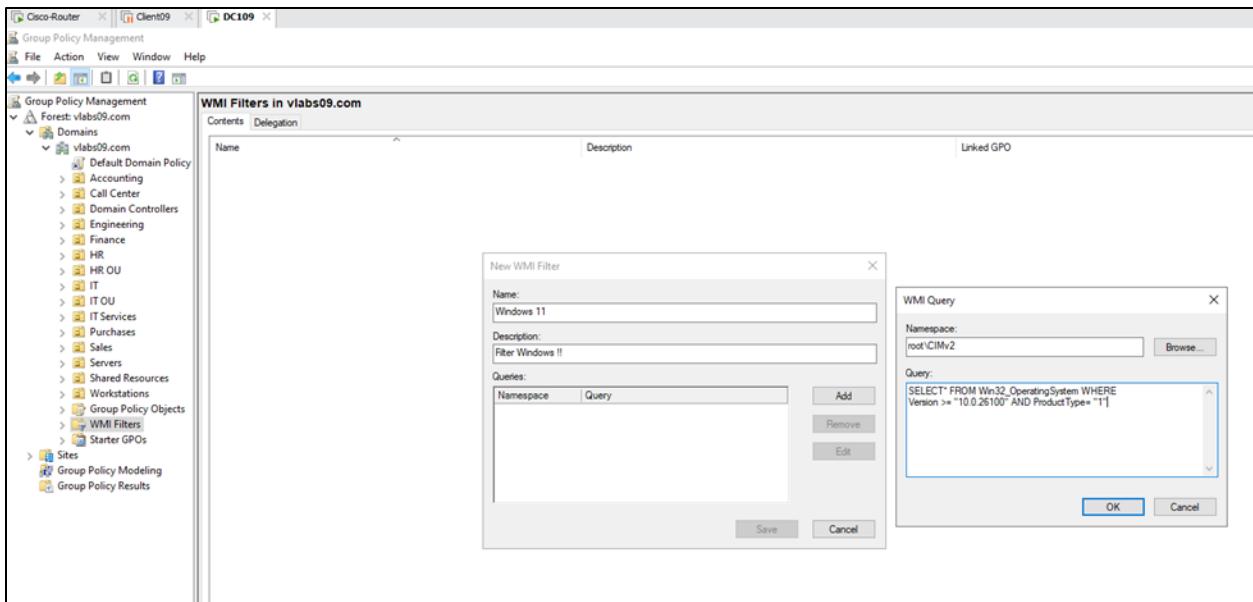


Task 3: Creating and Testing a WMI Filter for Windows 11 using GUI

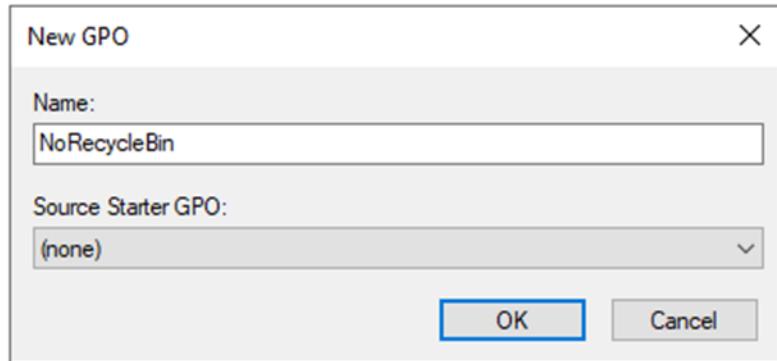
1. Objective: Create a WMI filter that applies only to Windows 11 devices.
2. GPO Name: NoRecycleBin
3. Steps:
 - Create a new WMI filter and named Windows11



- Define the appropriate query to target Windows 11 machines.

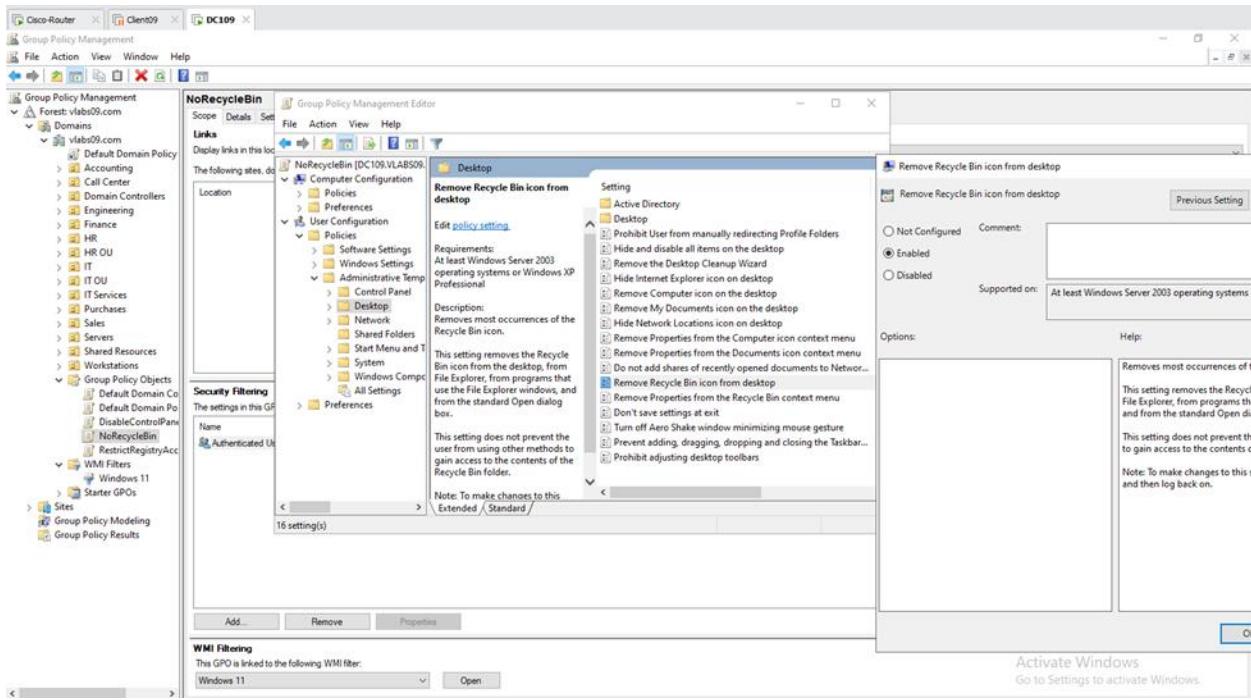


- Create a new GPO named NoRecycleBin.

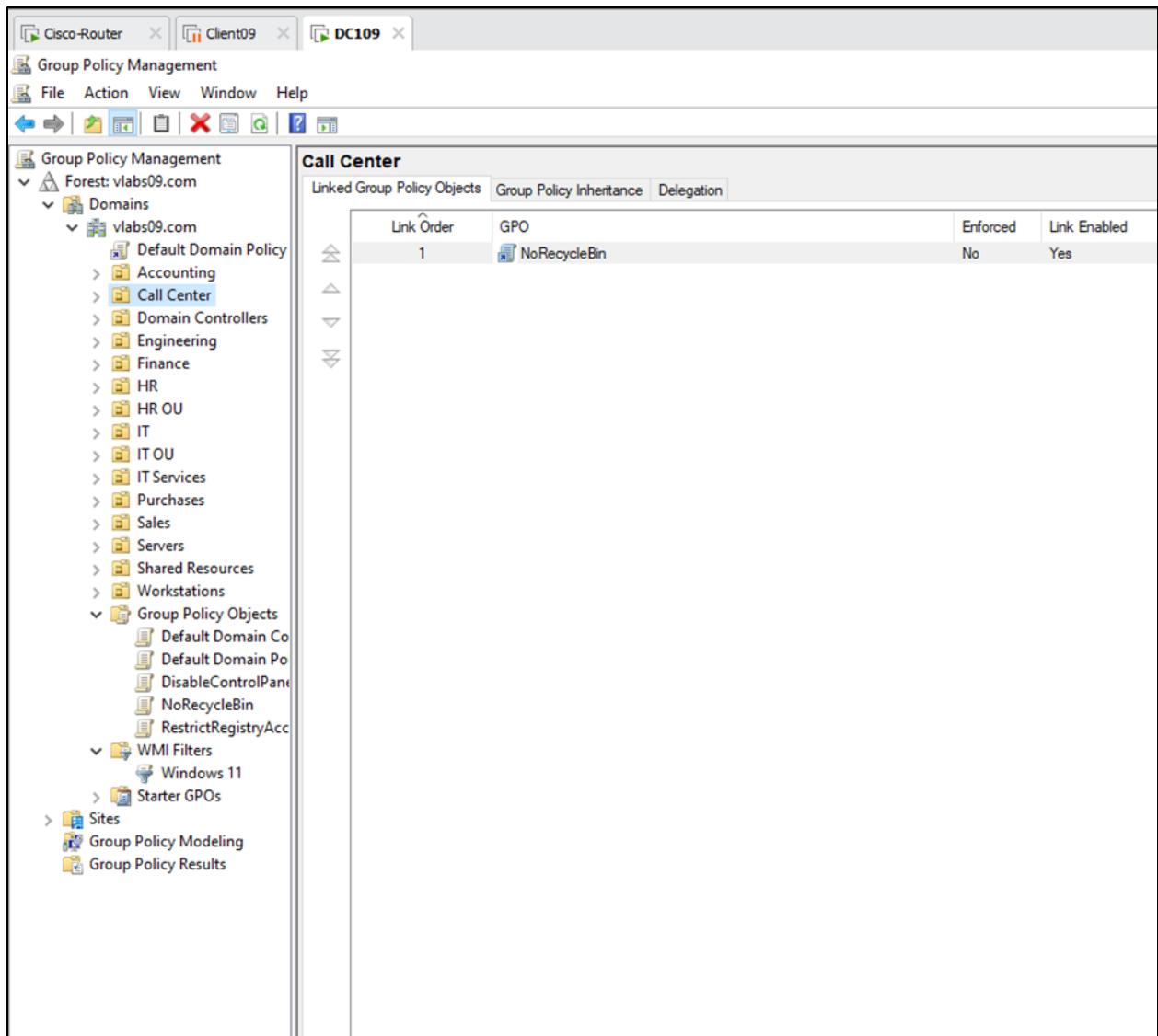


- Configure the necessary settings to Remove the Recycle Bin from the Desktop.

The screenshot shows the Group Policy Management console. On the left, the navigation pane displays the forest structure under 'Forest: vslabs09.com'. The 'Domains' node is expanded, showing various organizational units (OU) such as Accounting, Call Center, Domain Controllers, Engineering, Finance, HR, HR OU, IT, IT OU, IT Services, Purchases, Sales, Servers, Shared Resources, and Workstations. The 'Group Policy Objects' node is also expanded, showing Default Domain Controller Policy, Default Domain Policy, DisableControlPanel, NoRecycleBin (which is selected), and RestrictRegistryAccess. Under 'WMI Filters', there is a single entry for 'Windows 11'. The main pane shows the details for the 'NoRecycleBin' GPO. A modal dialog box titled 'Group Policy Management' is open, asking 'Would you like to change the WMI filter to Windows 11?' with 'Yes' and 'No' buttons. Below the dialog, the 'Security Filtering' section lists 'Authenticated Users' as the selected group. At the bottom, the 'WMI Filtering' section shows 'Windows 11' as the selected filter.



- Link this GPO to the Call Center OU.



- Link to this GPO to the WMI filter Windows 11.

Screenshot of the Group Policy Management console showing the properties of the 'NoRecycleBin' GPO.

NoRecycleBin

Scope Details Settings Delegation Status

Links

Display links in this location: vlabs09.com

The following sites, domains, and OUs are linked to this GPO:

| Location | Enforced | Link Enabled | Path |
|-------------|----------|--------------|-------------------------|
| Call Center | No | Yes | vlabs09.com/Call Center |

Security Filtering

The settings in this GPO can only apply to the following groups, users, and computers:

| Name |
|---------------------|
| Authenticated Users |

Add... Remove Properties

WMI Filtering

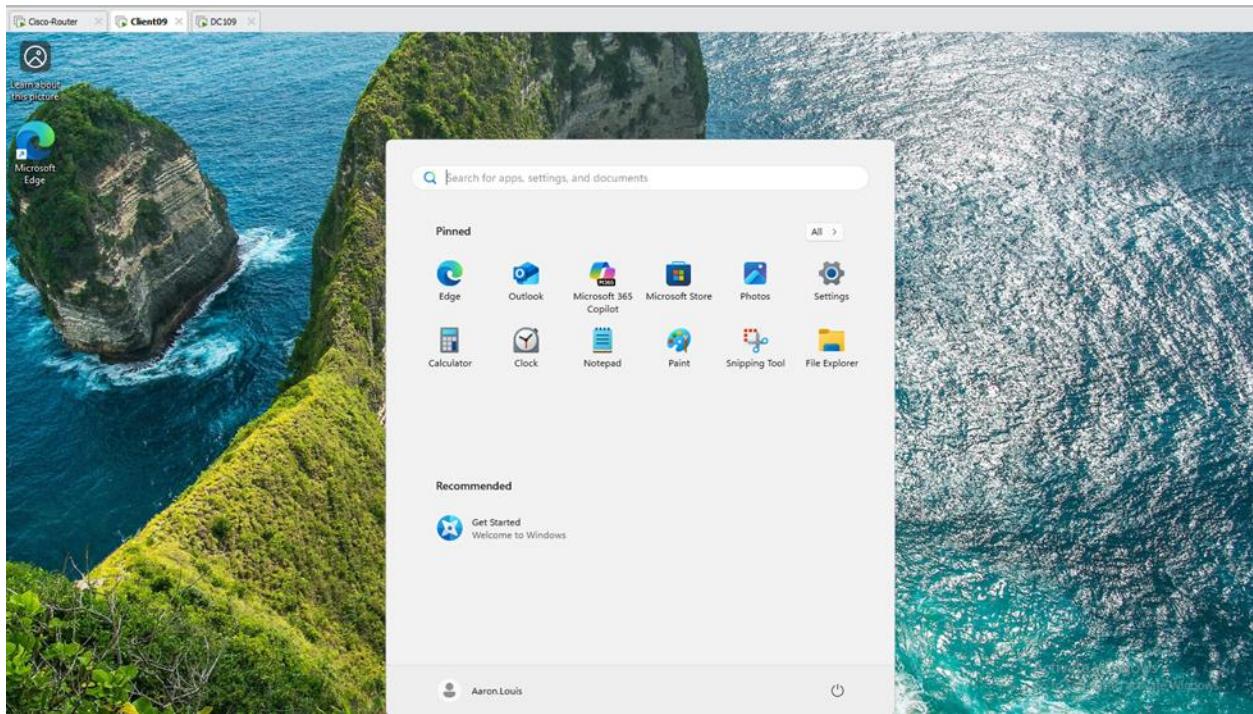
This GPO is linked to the following WMI filter:

Windows 11 Open

4. Testing: (Don't forget to run gpupdate /force on the client before each test)
- Log in to ClientXX with any user from Call Center user and verify that the Recycle Bin doesn't appear on the Desktop.

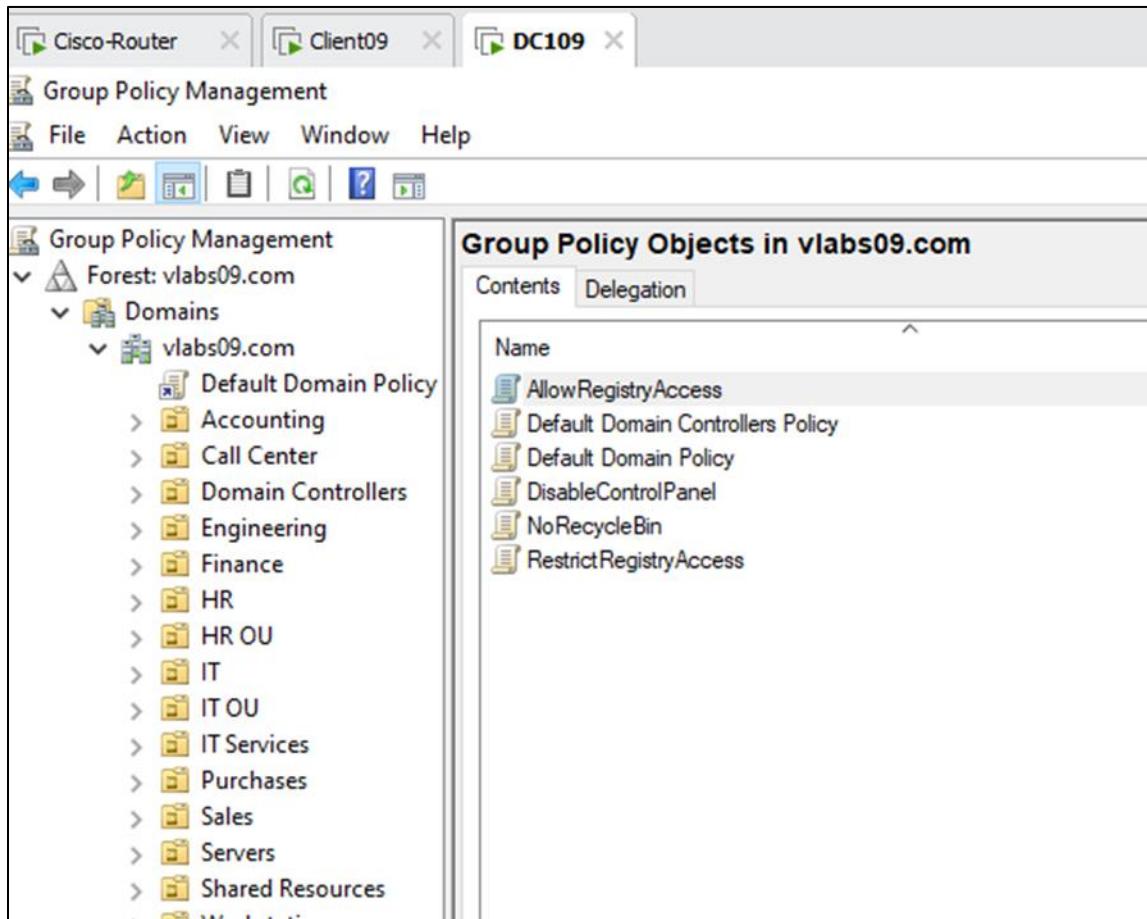
The screenshot shows the Windows Active Directory Users and Computers management console. The title bar includes tabs for 'Cisco-Router', 'Client09', and 'DC109'. The main window displays the 'Active Directory Users and Computers' view. On the left is a navigation pane with a tree structure showing the domain structure, including 'vlabs09.com' and its various organizational units like Accounting, Builtin, Call Center, Computers, Domain Controllers, Engineering, Finance, ForeignSecurityPrincipal, HR, HR OU, IT, ITOU, IT Services, Managed Service Account, Purchases, Sales, Servers, Shared Resources, Users, and Workstations. The 'Call Center' node is currently selected. The right pane lists users under this group, showing columns for Name, Type, and Description. The list includes Aaron Louis, Aloès Boucher, Anaïs Muller, Brice Charles, Call Center (Security Group...), Clemence Garcia, Elouan LeGall, erine Mathieu, Gael Millet, Ilona Lemaire, Jade Richard, Jules Leroy, Leo Barre, Leonor Brunet, Lola Roche, Maeva Picard, Maxime Guichard, Mia Renaud, Pauline Rey, Quentin Gay, Samuel Reynaud, Thea Hubert, Thomas Cordier, and Yanis Carlier, all categorized as 'User' type.

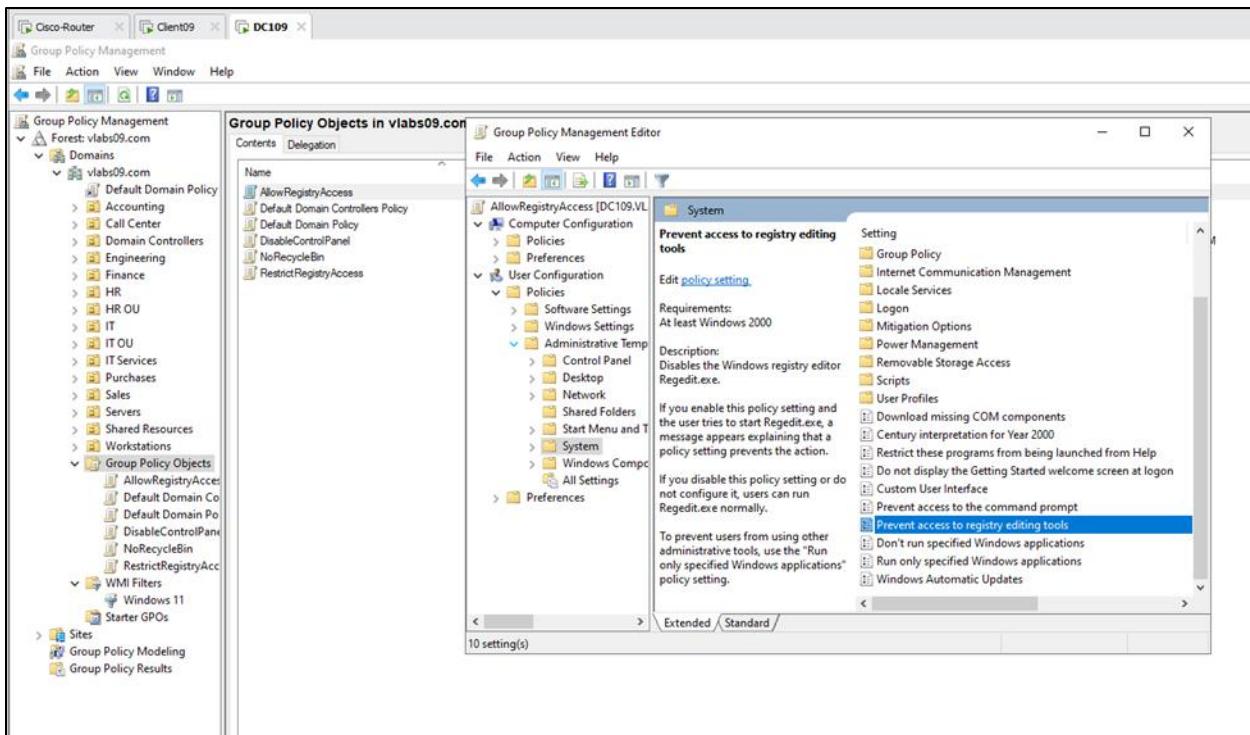
| Name | Type | Description |
|-----------------|-------------------|-------------|
| Aaron Louis | User | |
| Aloès Boucher | User | |
| Anaïs Muller | User | |
| Brice Charles | User | |
| Call Center | Security Group... | |
| Clemence Garcia | User | |
| Elouan LeGall | User | |
| erine Mathieu | User | |
| Gael Millet | User | |
| Ilona Lemaire | User | |
| Jade Richard | User | |
| Jules Leroy | User | |
| Leo Barre | User | |
| Leonor Brunet | User | |
| Lola Roche | User | |
| Maeva Picard | User | |
| Maxime Guichard | User | |
| Mia Renaud | User | |
| Pauline Rey | User | |
| Quentin Gay | User | |
| Samuel Reynaud | User | |
| Thea Hubert | User | |
| Thomas Cordier | User | |
| Yanis Carlier | User | |

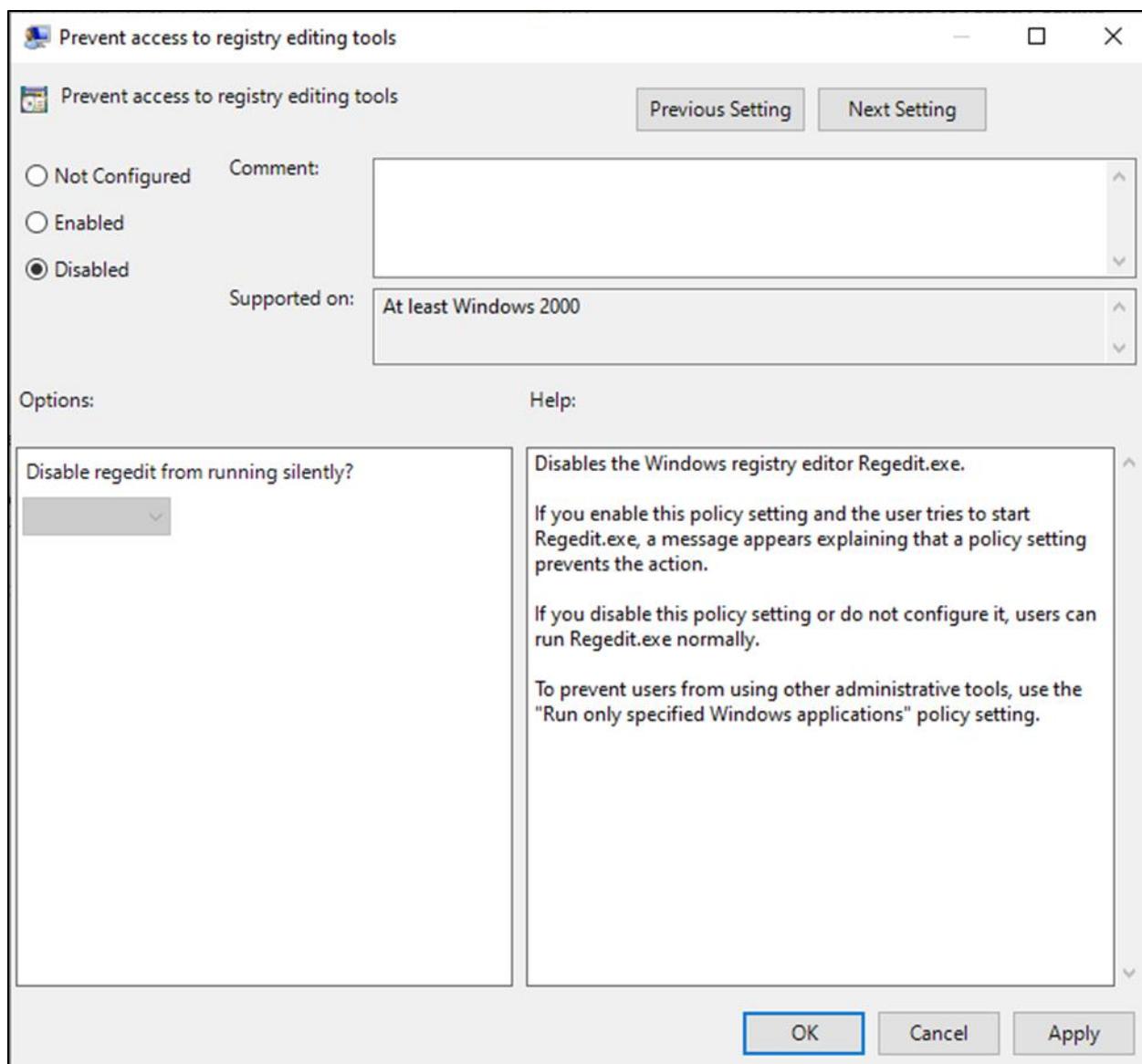


Task 4: Practicing GPO Processing Order using GUI

1. Objective: Understand the impact of multiple GPOs.
2. Steps:
 - Link Order: (Don't forget to run gpupdate /force on the client before each test)
 - Create a new GPO named AllowRegistryAccess that grants access to the registry editing tools.





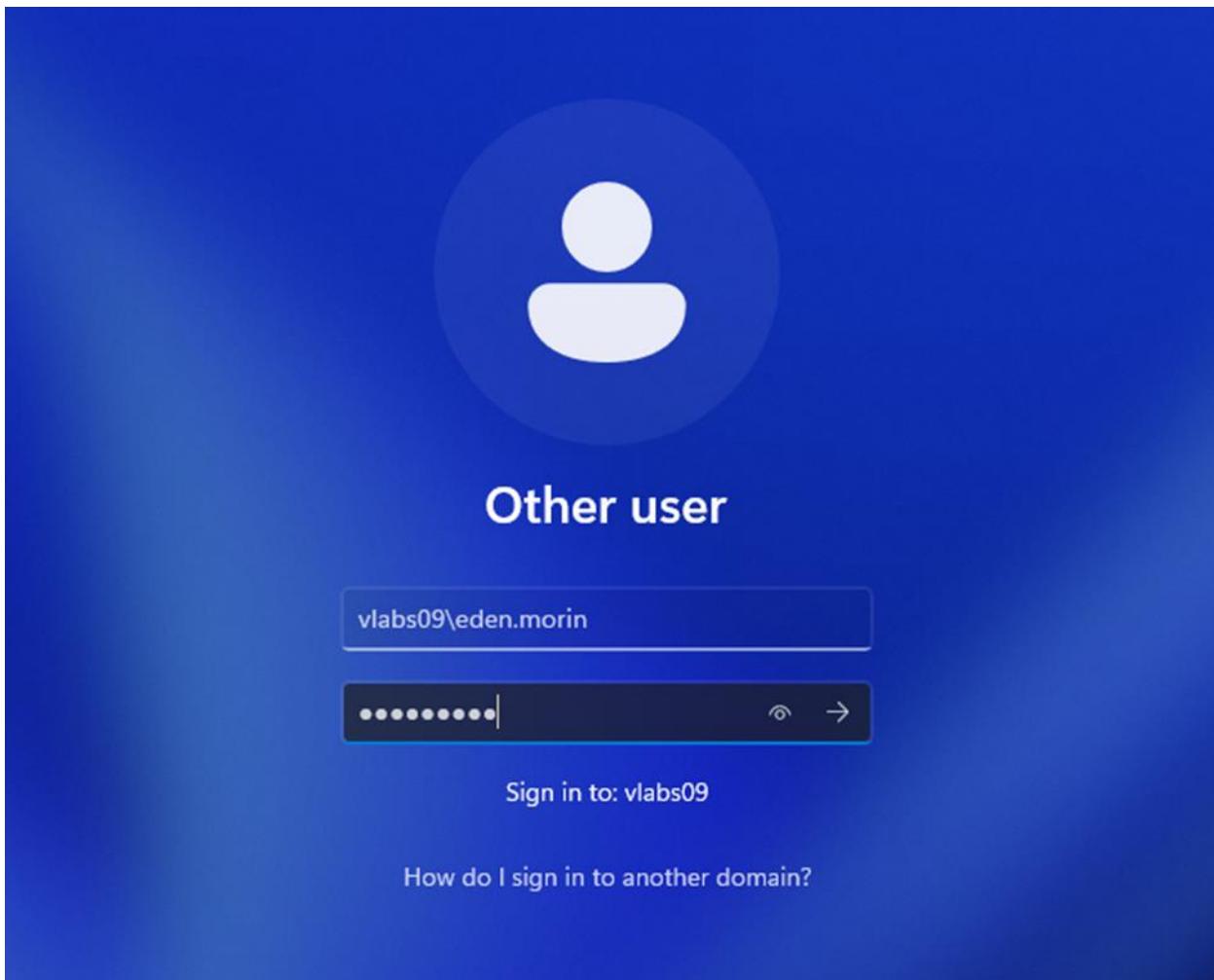


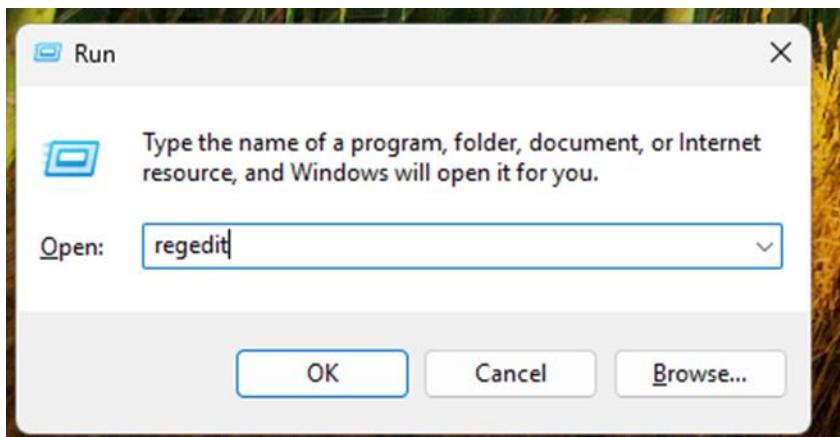
- Link it to OU Finance as Order 1.

The screenshot shows the 'Group Policy Management' interface. In the left navigation pane, under 'Forest: vlabs09.com / Domains / vlabs09.com', the 'Default Domain Policy' is selected. On the right, the 'Finance' GPO is displayed in the 'Link Order' section of the 'Group Policy Objects' tab. The table shows two entries:

| Link Order | GPO |
|------------|------------------------|
| 1 | AllowRegistryAccess |
| 2 | RestrictRegistryAccess |

- Test using Eden Morin to ensure he now has access to the registry.





- Precedence Rules: (Don't forget to run gpupdate /force on the client before each test)
 - Create OU Finance-Admins and move Eden Morin to it.

Screenshot of Active Directory Users and Computers (ADUC) interface showing the structure of the 'vlabs09.com' domain and a list of users and groups.

The left pane shows the navigation tree:

- Active Directory Users and Computers
- > Saved Queries
- > vlabs09.com
 - > Accounting
 - > Builtin
 - > Call Center
 - > Computers
 - > Domain Controllers
 - > Engineering
 - > Finance
 - Finance-Admins.
 - > ForeignSecurityPrincipals
 - > HR
 - > HR OU
 - > IT
 - > IT OU
 - > IT Services
 - > Managed Service Account
 - > Purchases
 - > Sales
 - > Servers
 - > Shared Resources
 - > Users
 - > Workstations
 - > Finance-Adminsold

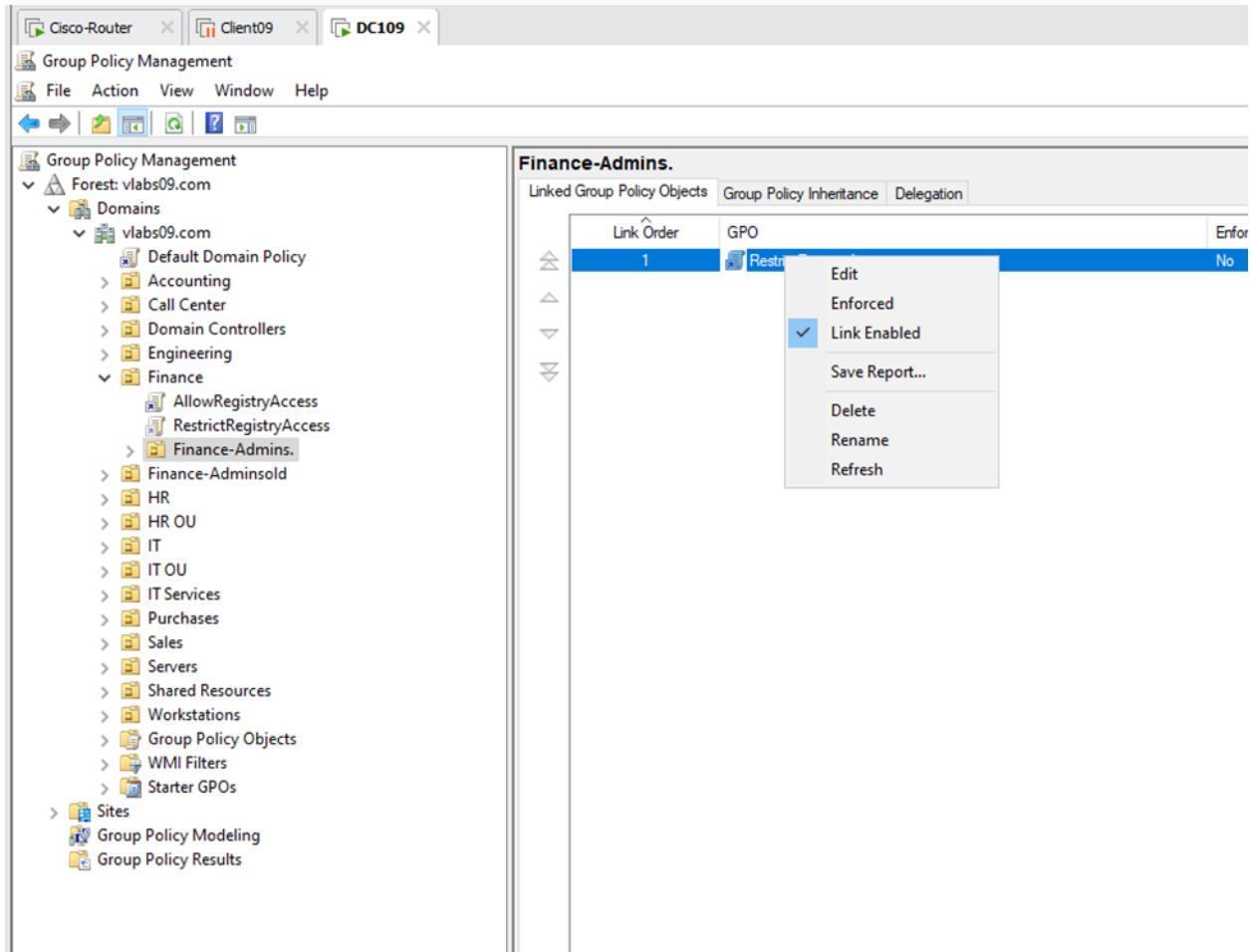
The right pane displays a list of objects:

| Name | Type | Description |
|------------------|-------------------|-------------|
| Alienor Lambert | User | |
| Ava Mercier | User | |
| Aymeric Marty | User | |
| Carla Chevalier | User | |
| Chloe_Bernard | User | |
| Clovis Maillard | User | |
| Damien Bailly | User | |
| Eden Morin | User | |
| Esteban Leger | User | |
| Finance | Security Group... | |
| Flavie Duval | User | |
| Hugo Cousin | User | |
| Jeanne Meunier | User | |
| Juliette Giraud | User | |
| Kenzo Pelletier | User | |
| Lilou Barbier | User | |
| Louka Mallet | User | |
| Louna Leroux | User | |
| Malone Jacob | User | |
| Mathilde Lemoine | User | |
| Nathan Morel | User | |
| Noam Colin | User | |
| Nour Philippe | User | |
| Ryan Humbert | User | |
| Sarah Laurent | User | |
| Shana Lopez | User | |
| Tom Gilbert | User | |
| Zelie Dupuis | User | |
| Finance-Admins. | Organizational... | |

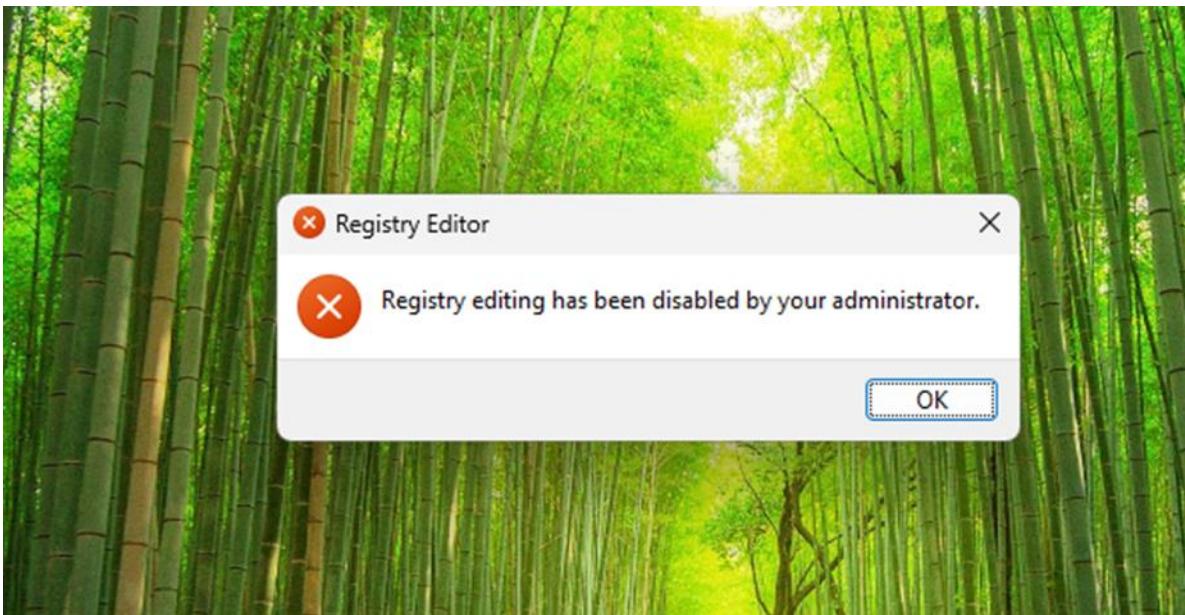
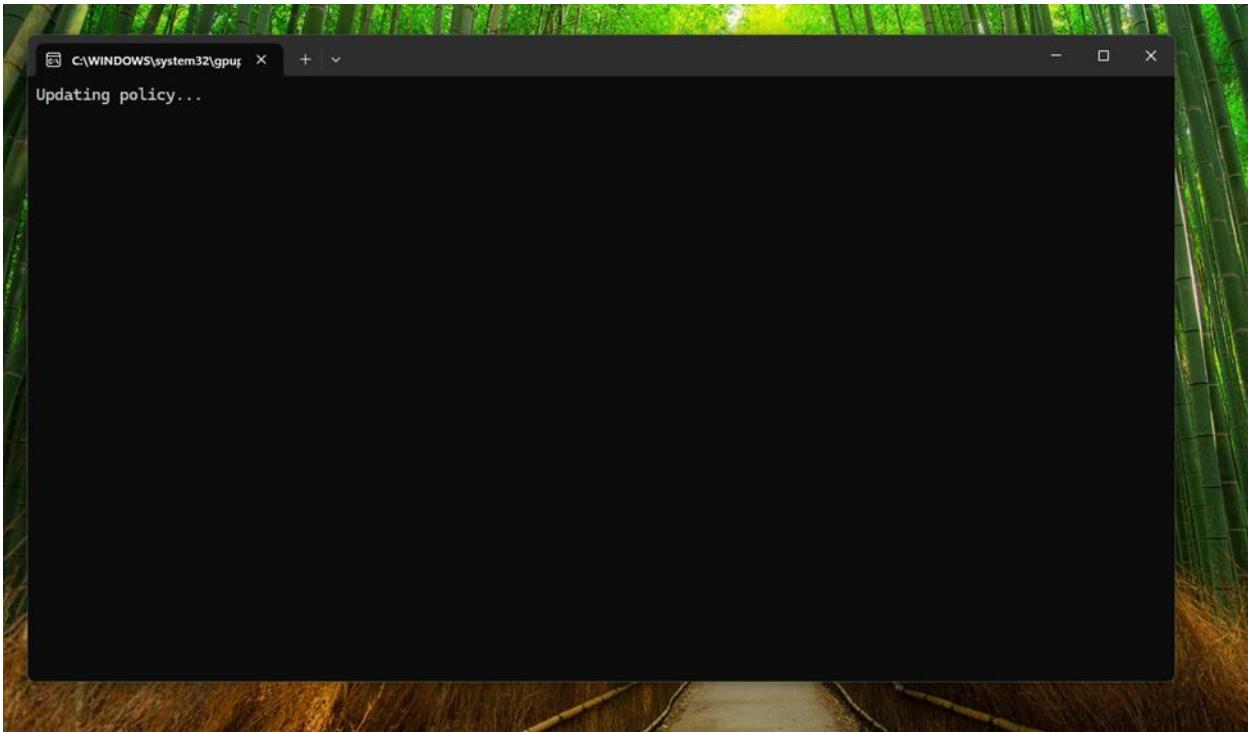
The screenshot shows the Windows Active Directory Users and Computers management console. The title bar displays three open windows: Cisco-Router, Client09, and DC109. The main window title is "Active Directory Users and Computers". The menu bar includes File, Action, View, and Help. Below the menu is a toolbar with various icons. The left pane is a navigation tree for the domain "vlabs09.com", showing containers like Accounting, Builtin, Call Center, Computers, Domain Controllers, Engineering, Finance, ForeignSecurityPrincipals, HR, HR OU, IT, IT OU, IT Services, Managed Service Account, Purchases, Sales, Servers, Shared Resources, Users, Workstations, and two additional Finance-Admins entries. The right pane displays a table with one row:

| Name | Type |
|------------|------|
| Eden Morin | User |

- Unlink the GPO RestrictRegistryAccess from OU Finance and link it to OU Finance-Admins.



- Test using Eden Morin to verify that the registry editing tools are now blocked.

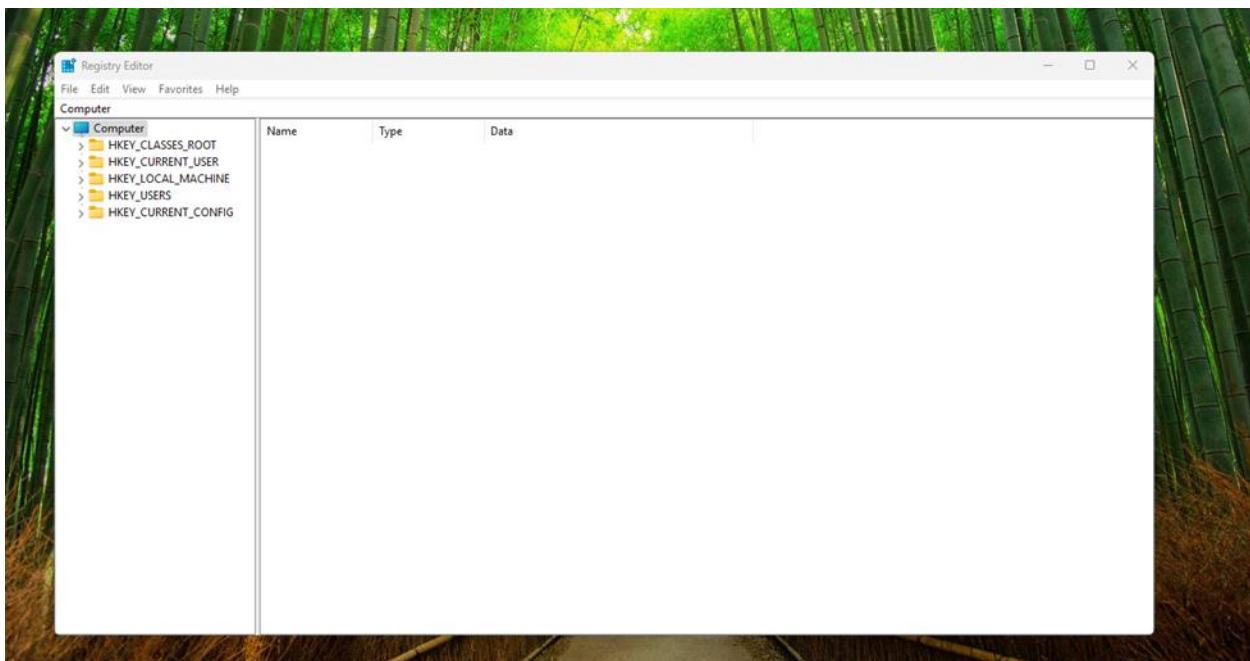
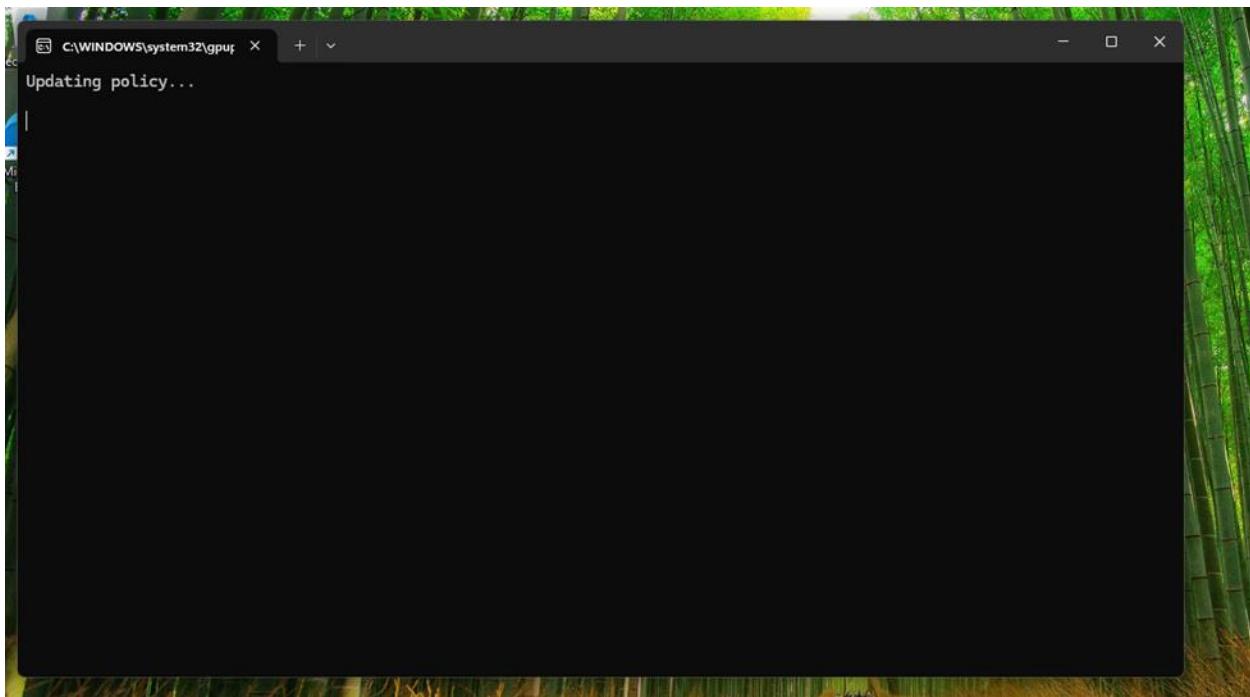


- Enforced GPO: (Don't forget to run gpupdate /force on the client before each test)
 - Enforce the AllowRegistryAccess GPO on OU Finance.

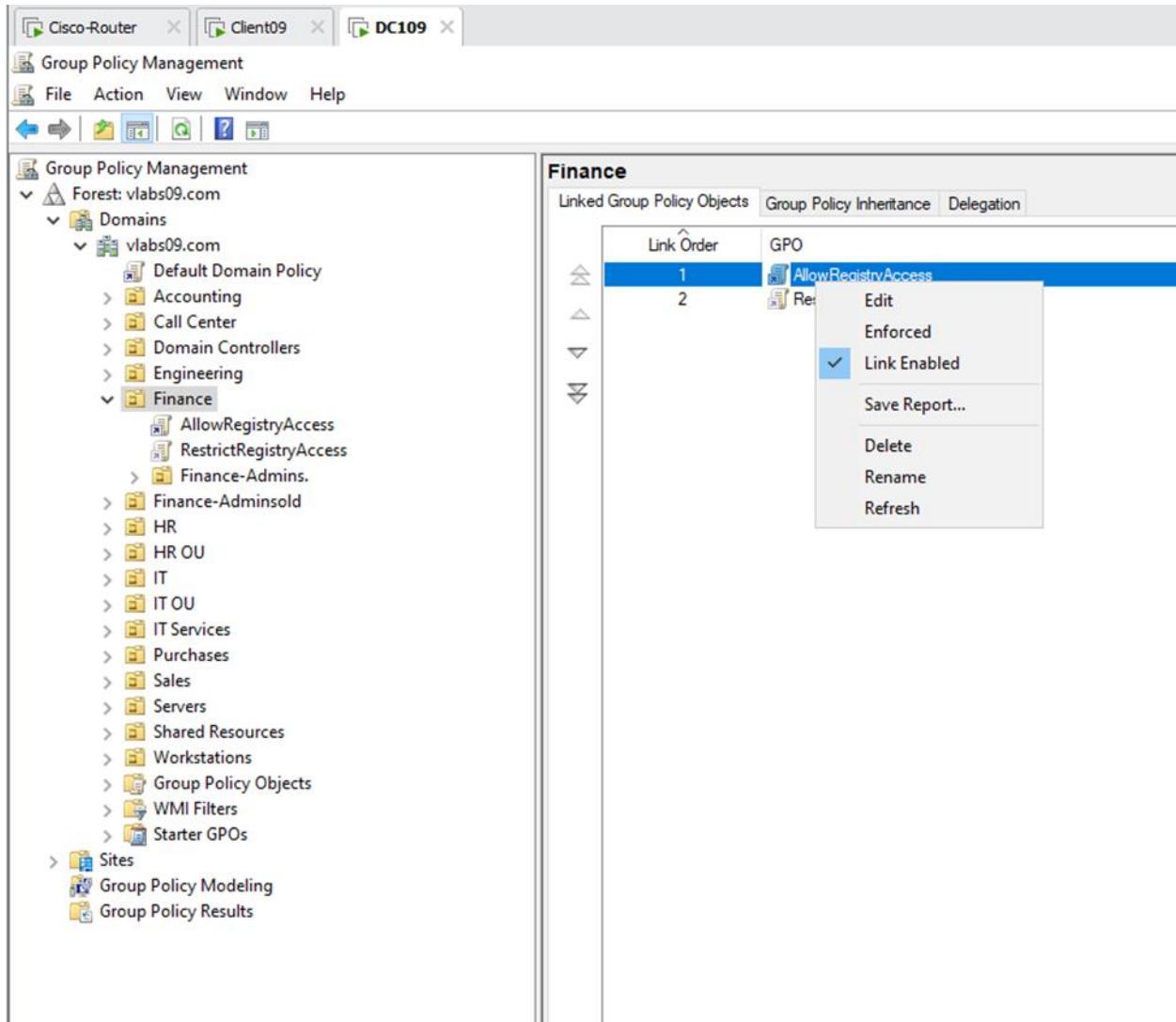
The screenshot shows the Windows Group Policy Management console interface. The left pane displays the navigation tree for the 'vslabs09.com' forest, under the 'Domains' section. The 'Finance' Organizational Unit (OU) is selected. The right pane shows the 'Finance' GPO details. A context menu is open over the 'AllowRegistryAccess' GPO entry in the 'Linked Group Policy Objects' list. The menu includes options for 'Edit', 'Enforced' (which is checked), 'Link Enabled', 'Save Report...', 'Delete', 'Rename', and 'Refresh'. The 'Enforced' option is highlighted with a blue selection bar.

| Link Order | GPO |
|------------|------------------------|
| 1 | AllowRegistryAccess |
| 2 | RestrictRegistryAccess |

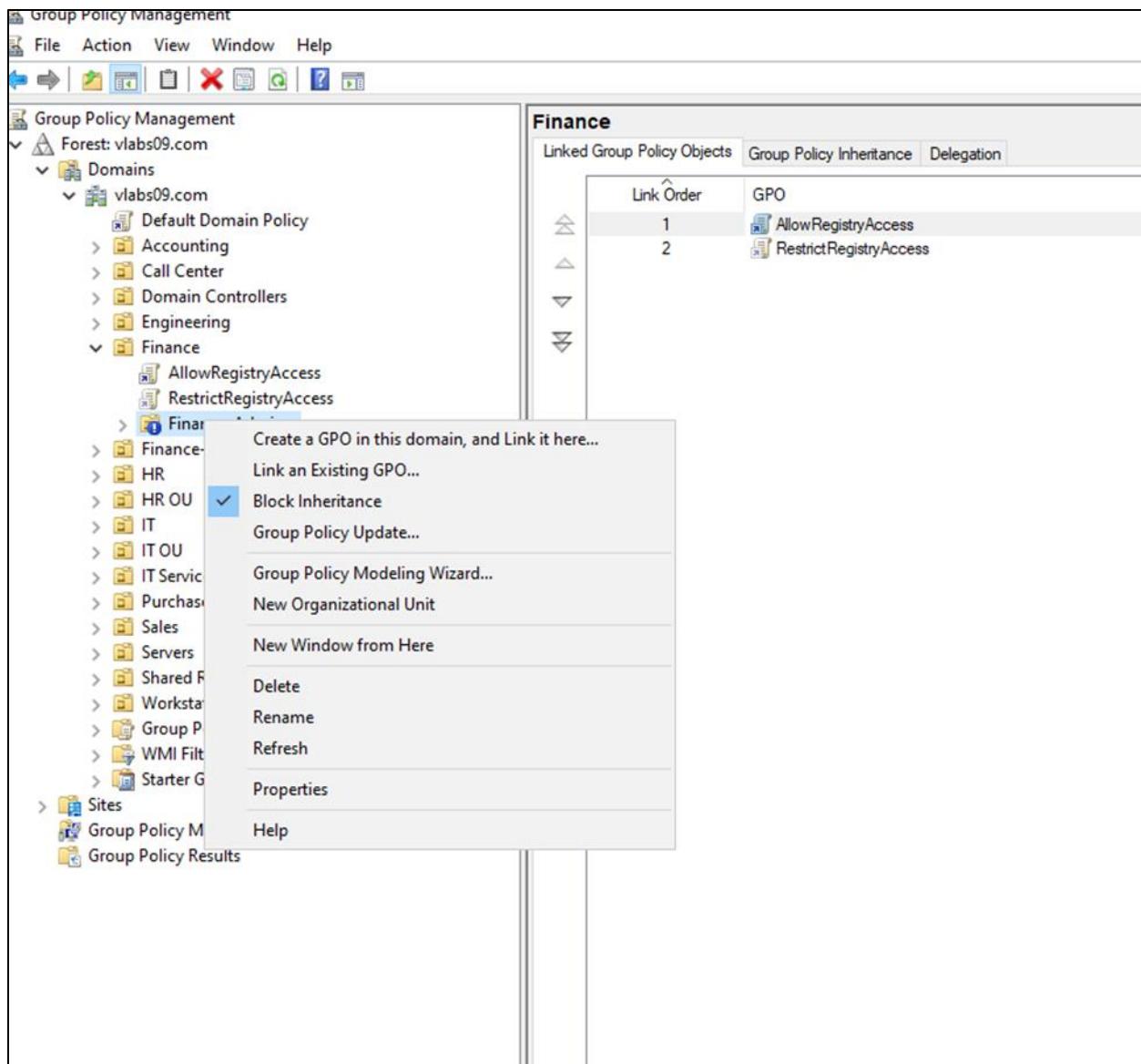
- Test using Eden Morin to confirm he has access to the registry editing tools.



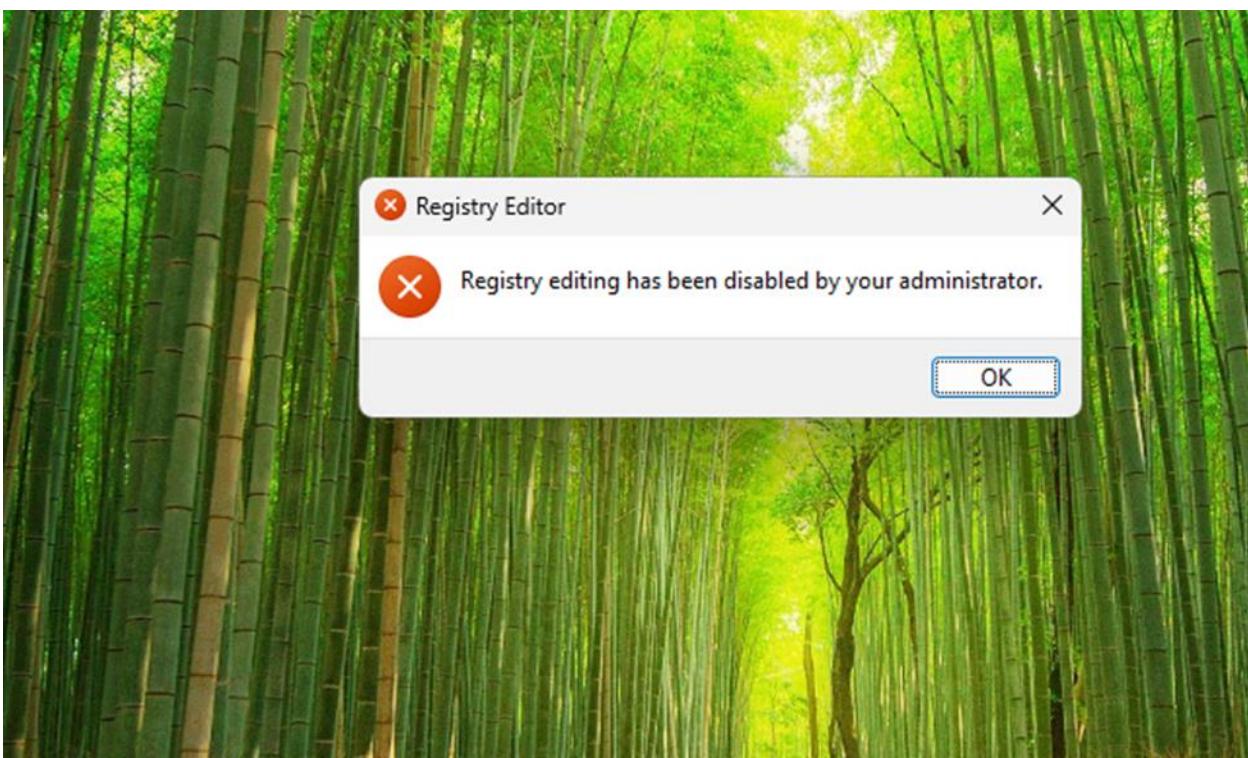
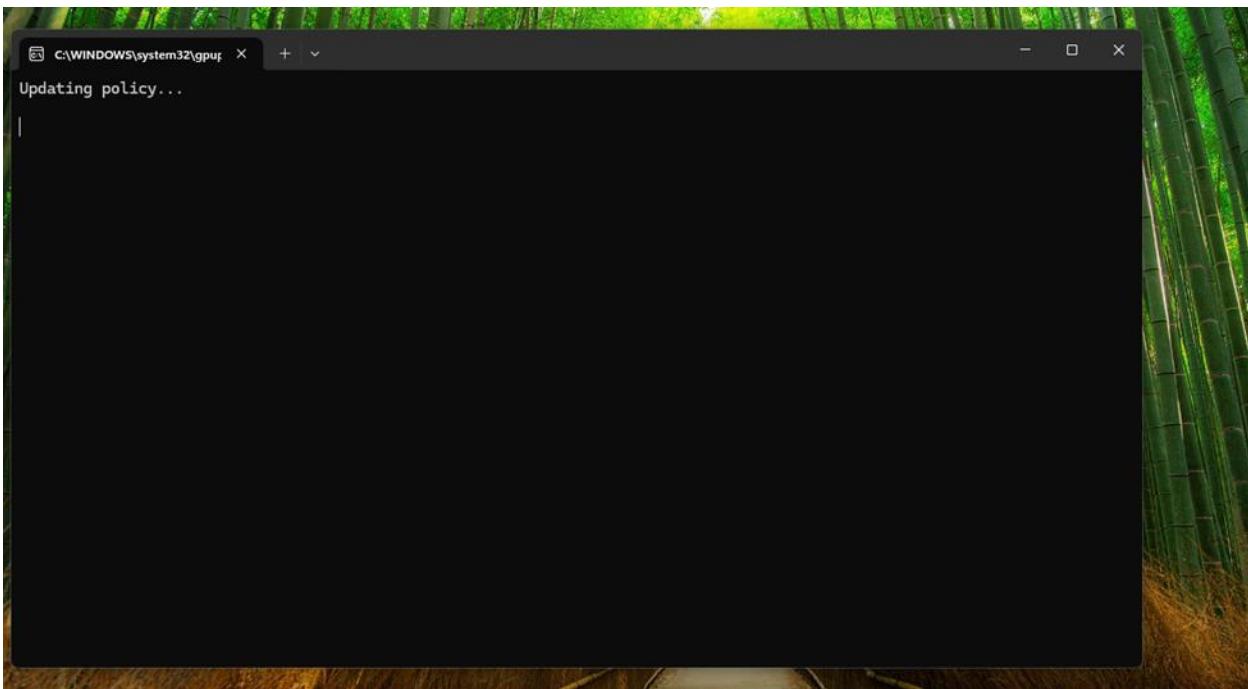
- Block Inheritance: (Don't forget to run gpupdate /force on the client before each test)
 - Remove Enforce the AllowRegistryAccess GPO on OU Finance.



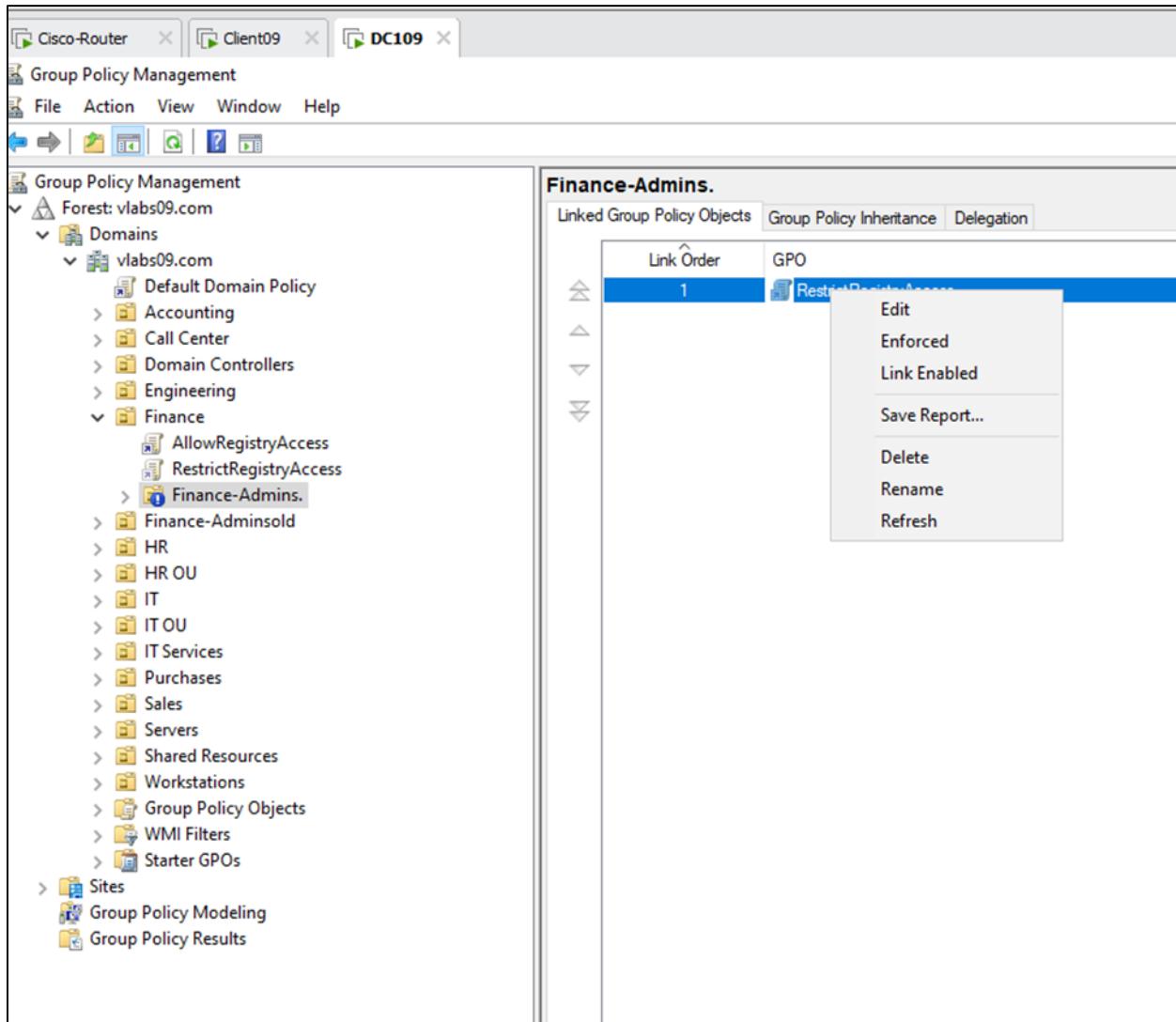
- Block inheritance on OU Finance-Admins.



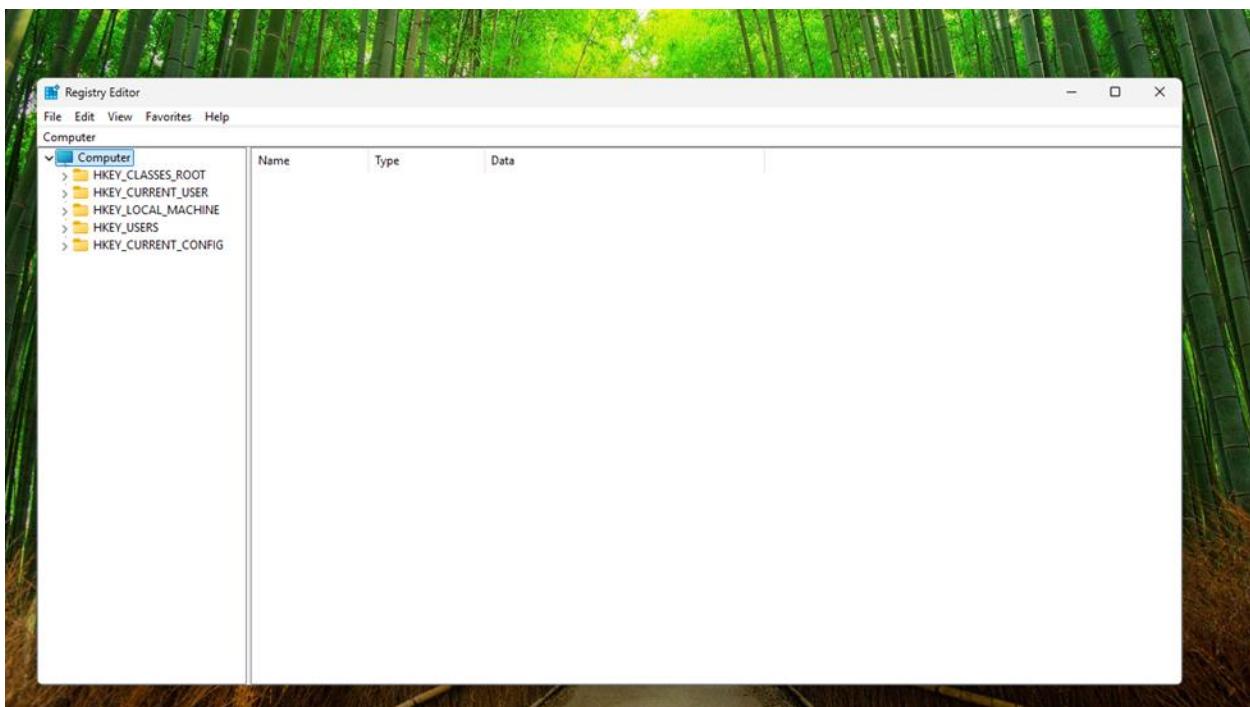
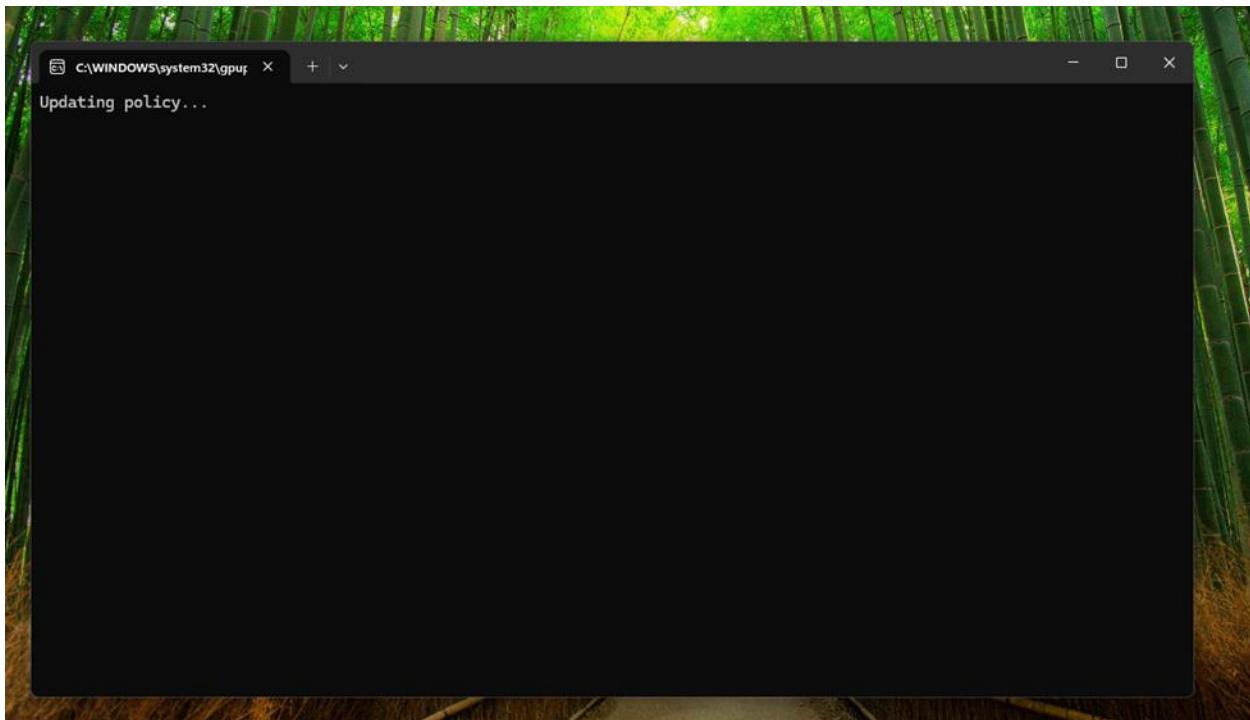
- Test using Eden Morin to ensure the registry editing tools are now blocked.



- Link Enabled: (Don't forget to run gpupdate /force on the client before each test)
 - Uncheck Link Enabled on the RestrictRegistryAccess GPO on OU Finance Admins

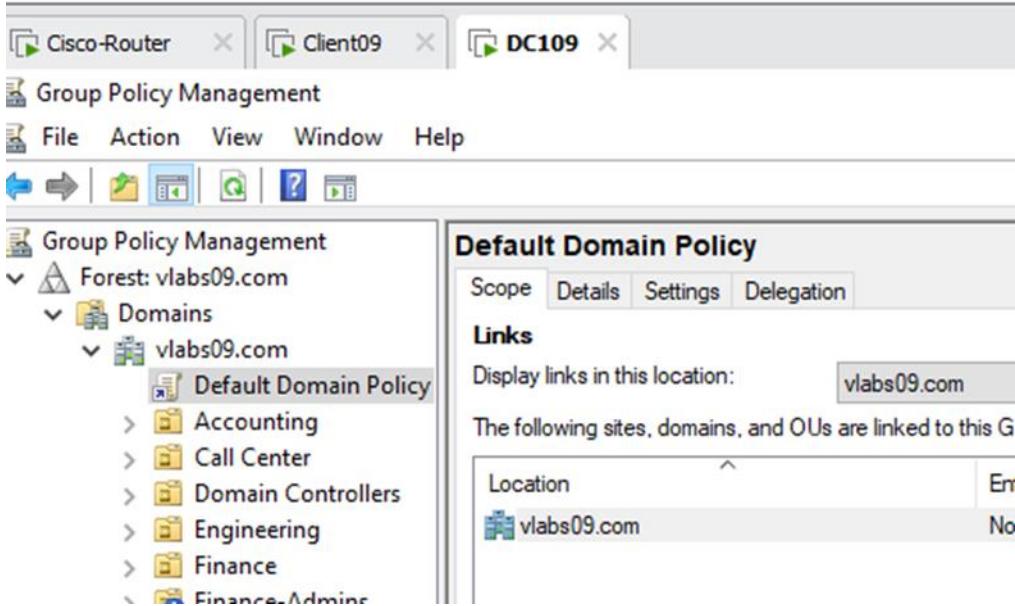


- Test using Eden Morin to confirm he has access to the registry editing tools.



Task 5: Exploring Default Group Policy Objects using GUI

1. Objective: Understand and analyze the impact of Default Domain Policy and Default Domain Controllers Policy.
2. Steps:
 - Identify and review the two default GPOs in the domain.



Cisco-Router X Client09 X DC109 X

Group Policy Management

File Action View Window Help

Group Policy Management

Forest: vlabs09.com

Domains

vlabs09.com

- Default Domain Policy
- > Accounting
- > Call Center
- > Domain Controllers
- > Engineering
- > Finance
- > Finance-Admins
- > HR
- > HR OU
- > IT
- > IT OU
- > IT Services
- > Purchases
- > Sales
- > Servers
- > Shared Resources
- > Workstations

Group Policy Objects

- AllowRegistryAccess
- Default Domain Controllers Policy
- Default Domain Policy
- DisableControlPanel
- NoRecycleBin
- RestrictRegistryAccess
- > WMI Filters
- > Starter GPOs

Sites

Group Policy Modeling

Group Policy Results

Default Domain Controllers Policy

Scope Details Settings Delegation Status

Links

Display links in this location: vlabs09.com

The following sites, domains, and OUs are linked to this GPO:

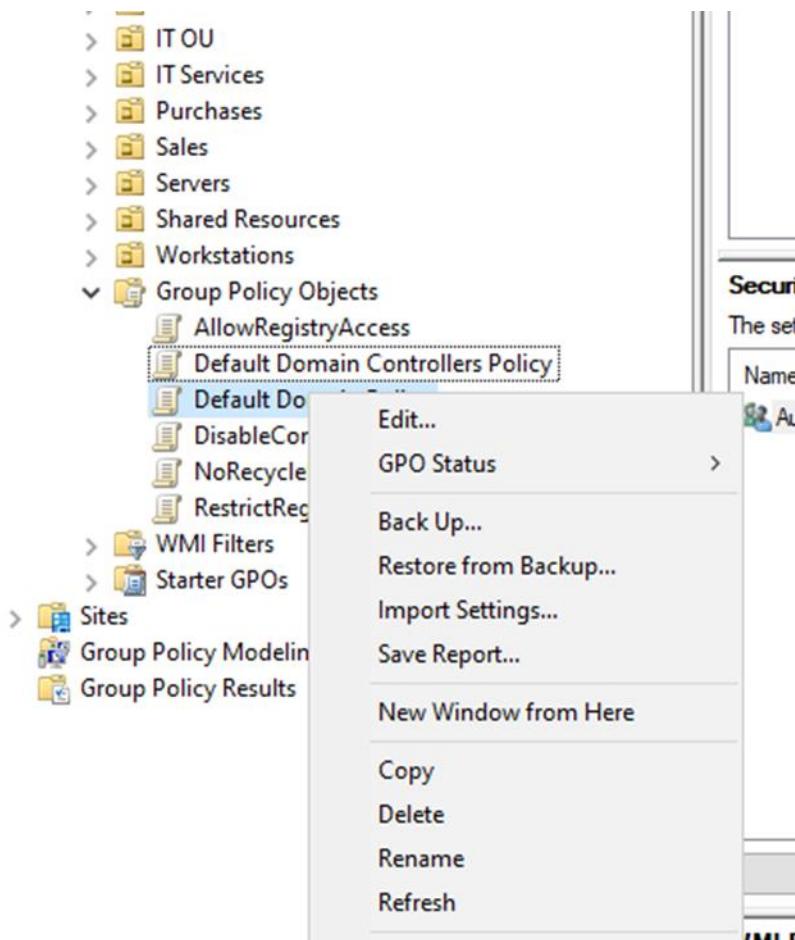
| Location | Enforced | Link Enabled |
|--------------------|----------|--------------|
| Domain Controllers | No | Yes |

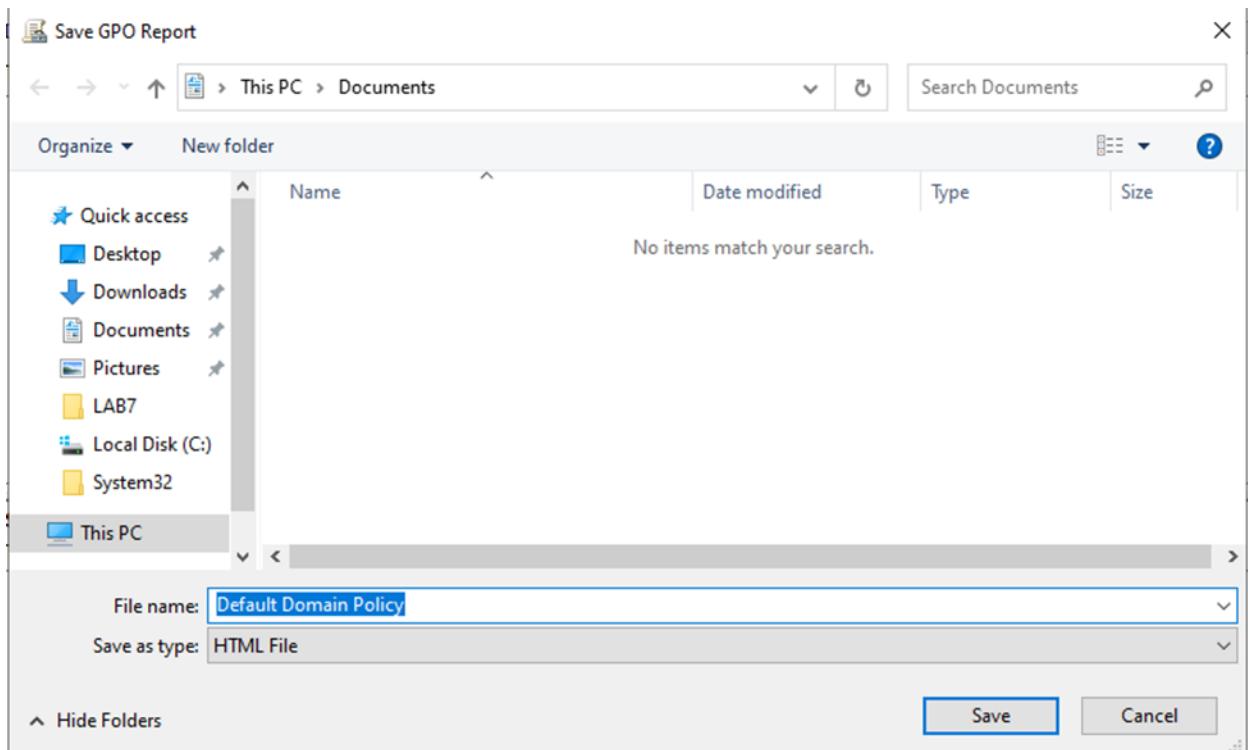
Security Filtering

The settings in this GPO can only apply to the following groups, users, and contacts:

| Name |
|---------------------|
| Authenticated Users |

- Generate a Settings Report for both policies.



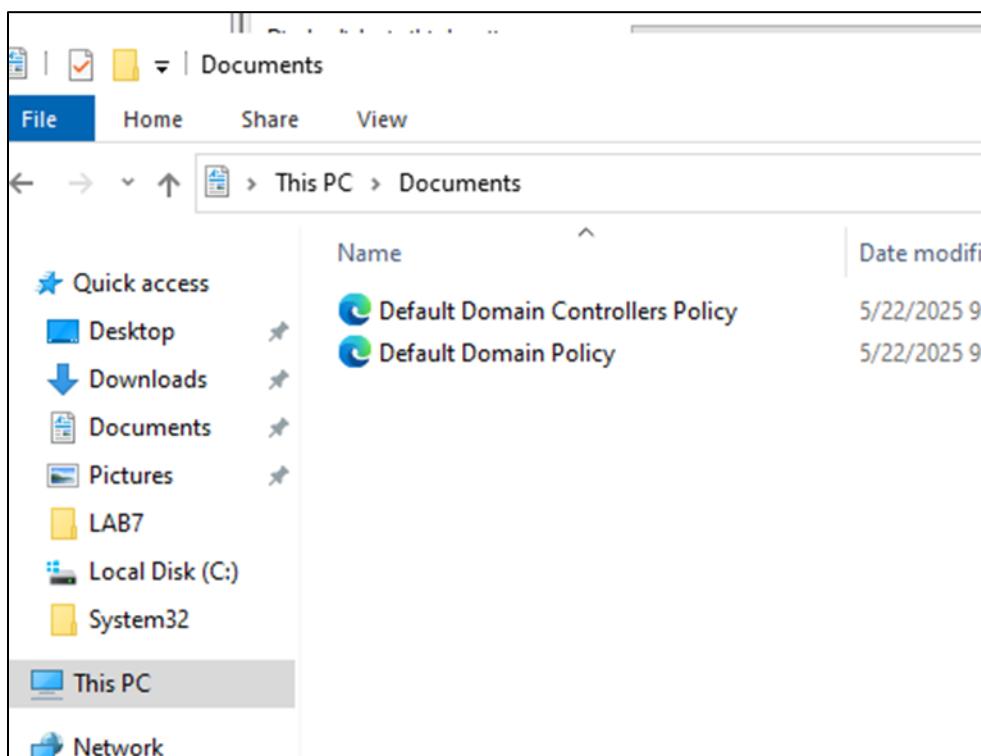
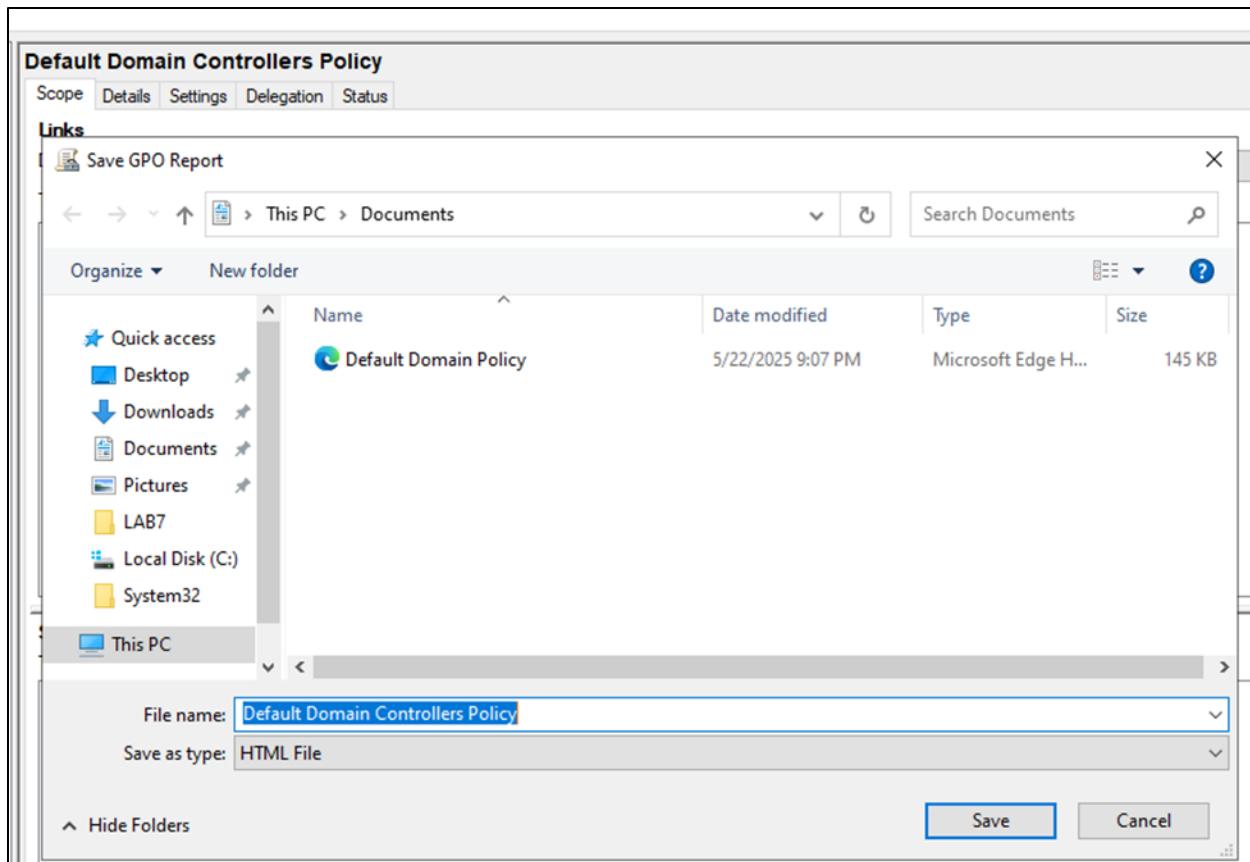


The screenshot shows the 'Default Domain Policy' properties page in the Group Policy Management Editor. The 'General' tab is selected, displaying the following details:

- Domain:** vlabs09.com
- Owner:** VLABS09\Domain Admins
- Created:** 5/4/2025 2:31:44 PM
- Modified:** 5/4/2025 2:35:10 PM
- User Revisions:** 0 (AD), 0 (SYSVOL)
- Computer Revisions:** 3 (AD), 3 (SYSVOL)
- Unique ID:** {31B2F340-016D-11D2-945F-00C04FB984F9}
- GPO Status:** Enabled

The 'Links' tab shows a single link to 'vlabs09' with 'Enforced' status and 'Enabled' link status. The 'Security Filtering' tab indicates that the settings apply to 'NT AUTHORITY\Authenticated Users'. The 'Delegation' tab lists the groups and users with specified permissions:

| Name | Allowed Permissions | Inherited |
|--------------------------------------------|----------------------------------------|-----------|
| NT AUTHORITY\Authenticated Users | Read (from Security Filtering) | No |
| NT AUTHORITY\ENTERPRISE DOMAIN CONTROLLERS | Read | No |
| NT AUTHORITY\SYSTEM | Edit settings, delete, modify security | No |



- Analyze the impact of these GPOs without making any modifications or testing at this stage.

Default Domain Policy:

Password policies:

- Minimum password length
- Maximum password age
- Password complexity requirements

Account lockout settings

Kerberos policy settings

Default Domain Controllers Policy :

User Rights Assignments for domain controllers:

- Who can log on locally
- Who can manage the DCs

Audit policies

Security options specific to domain controllers