# <u>Lab 4.5.9 Enforcing User Account Control (UAC) on an</u> <u>Active Directory Domain</u>

In this lab, I will be ensuring and enforcing that User Account Control (UAC, a Windows Security Tool) is active and properly set on an Active Directory Domain.

# "The scenario for this lab is as follows:

- You are the IT administrator for a small corporate network. The company has a single Active Directory domain named CorpNet.local. You need to increase the domain's authentication security. You need to make sure that User Account Control (UAC) settings are consistent throughout the domain and in accordance with industry recommendations.
- 2. In this lab, your task is to configure the following UAC settings in the Default Domain Policy on CorpDC as follows:

User Account Control	Setting
Admin Approval mode for the built-in Administrator account	Enabled
Allow UIAccess applications to prompt for elevation without using the secure desktop	Disabled
Behavior of the elevation prompt for administrators in Admin Approval mode	Prompt for credentials
Behavior of the elevation prompt for standard users	Automatically deny elevation requests

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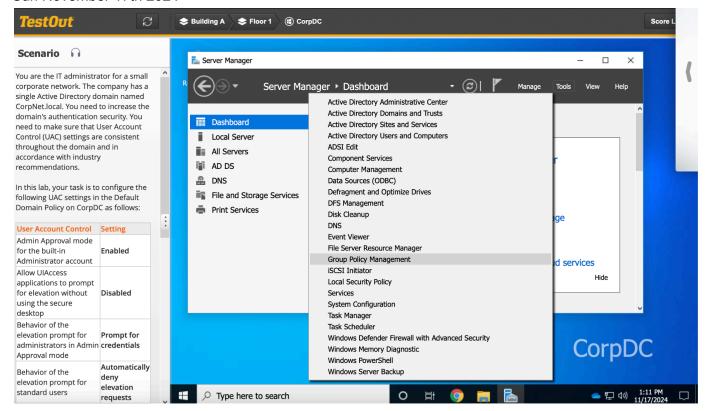
Detect application installations and prompt for elevation	Enabled
Only elevate UIAccess applications that are installed in secure locations	Enabled
Only elevate executables that are signed and validated	Disabled
Run all administrators in Admin Approval mode	Enabled
Switch to the secure desktop when prompting for elevation	Enabled
Virtualize file and registry write failures to per-user locations	Enabled

To change UAC settings we would need to configure it on every Computer in the domain manually. This would be a pain, but thanks to Microsoft Active Directory, we can make this change once on our Domain Controller and have it apply to all computers in the domain. Our domain in this lab happens to be CorpNet.local with our Domain Controller named "CorpDC."

The tool we will use on the Server Manager app on our Domain Controller will be "Group Policy Management."

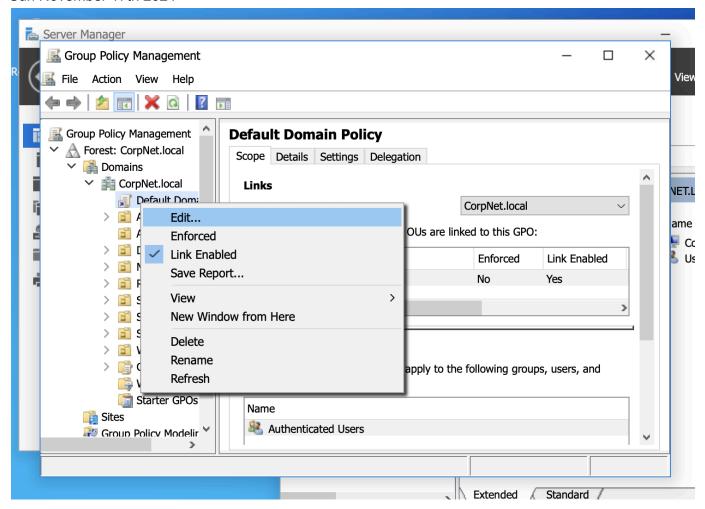
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Once you click it an window will pop up. Expand the tree view on the left to navigate to Forest: CorpNet.local > Domains > CorpNet.local > Default Domain Policy.

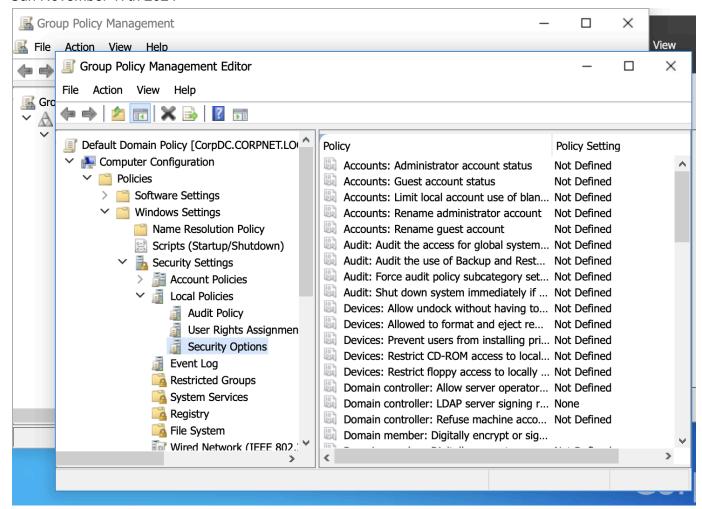
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Clicking "Edit" bring up the Group Policy Management Editor. From here, we will navigate to Computer Configuration > Policies > Windows Settings > Security Settings > Local Policies > Security Options.

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Here, we can access the configuration for UAC. Now that we have it pulled up we can begin to configure everything asked from us in the table above (scenario). I'll repaste it again below here for review

User Account Control	Setting
Admin Approval mode for the built-in Administrator account	Enabled
Allow UIAccess applications to prompt for elevation without using the secure desktop	Disabled

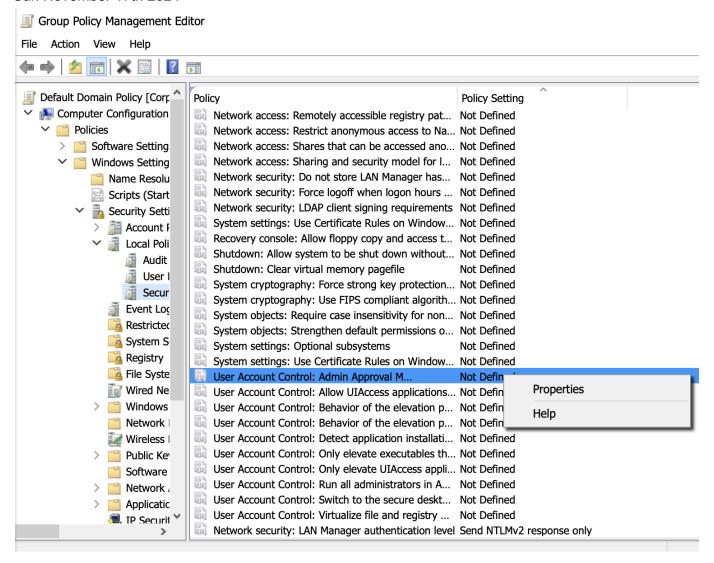
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Behavior of the elevation prompt for administrators in Admin Approval mode	Prompt for credentials
Behavior of the elevation prompt for standard users	Automatically deny elevation requests
Detect application installations and prompt for elevation	Enabled
Only elevate UIAccess applications that are installed in secure locations	Enabled
Only elevate executables that are signed and validated	Disabled
Run all administrators in Admin Approval mode	Enabled
Switch to the secure desktop when prompting for elevation	Enabled
Virtualize file and registry write failures to per-user locations	Enabled

Scroll down the table above and apply the corresponding settings in the Group Policy Management Editor we have pulled up in the screenshot above.

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Notice after you are done applying everything that there are no final Apply or OK buttons anywhere. The polices get pushed down individually as soon as you click the Apply button in the window where you are configuring the policy. Now that we have applied all our desired settings, these changes will be pushed to out Domain Controller and then to all computers connected to the domain.

This concludes this lab.

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