



Drive Mapping with GPO's

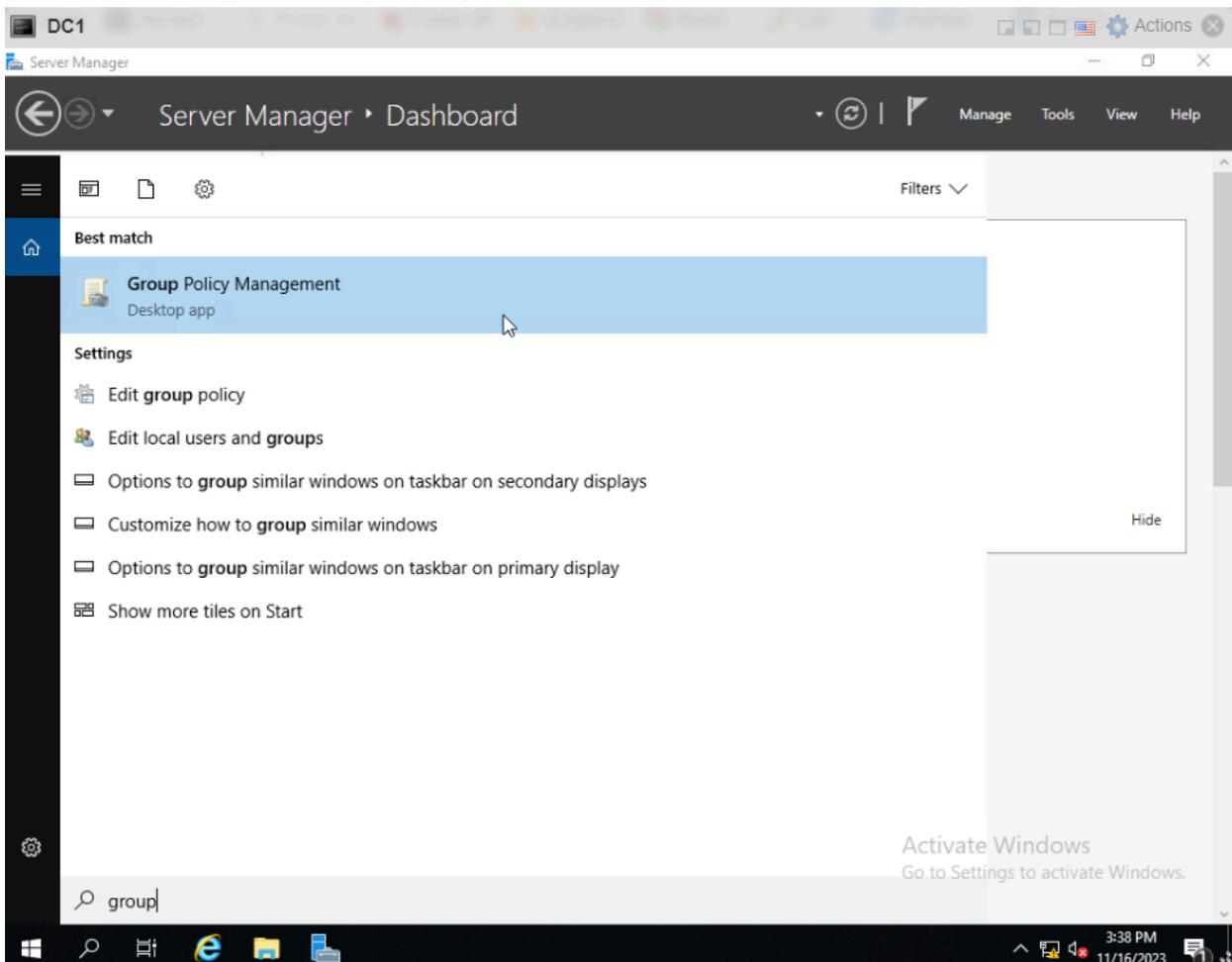
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3rd PLT DCO-IDM

LU: 20231116

Group Policy is a versatile feature of Active Directory. We will be utilizing Group Policy to automatically map a shared drive to all domain admins at login. Before you follow this S.O.P you will need to create a drive that is shared with your domain. *see Disk Partitioning and Sharing S.O.P*

- Open the group policy management application on the Domain Controller





- Right click the Organizational Unit you wish to apply the GPO to (In this case we are using the Domain Admins OU)
- Select the Create a GPO in this domain and link it here...

Group Policy Management console showing the 'Domain Admins' Organizational Unit (OU) selected. The context menu is open, and the option 'Create a GPO in this domain, and Link it here...' is highlighted. The background shows a table of linked Group Policy Objects (GPOs) for the 'Domain Admins' OU.

Link Order	GPO	Enforced	Link Enabled	GPO Status	WMI Filter	Modified	Domain
1	ShareMap	Yes	Yes	Enabled	None	11/15/20...	3rdplt.dc...
2	testGPO	No	Yes	Enabled	None	11/15/20...	3rdplt.dc...
3	MEMMPO	No	Yes	Enabled	None	11/15/20...	3rdplt.dc...

Activate Windows
Go to Settings to activate Windows.

Create a GPO in this domain and link it to this container

3:42 PM
11/16/2023



- A pop-up will launch requesting a name for the GPO
- After naming the GPO right click on your new GPO and then select Edit, a new window labeled Group Policy Management Editor will pop-up

The screenshot shows the Group Policy Management console on a server named DC1. The left-hand navigation pane shows the hierarchy: Forest: 3rdplt.dco.mil > Domains > 3rdplt.dco.mil > Domain Admins. The main pane displays the 'Domain Admins' group with a table of linked Group Policy Objects. A new GPO named 'NEWGPO' has been added and is selected. A context menu is open over 'NEWGPO', with the 'Edit' option highlighted in yellow. Other options in the menu include 'Enforced', 'Link Enabled' (which is checked), 'Save Report...', 'Delete', 'Rename', and 'Refresh'. The table below shows the details of the linked GPOs.

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1	ShareMap	Yes	Yes	Enabled	None	11/15/20...	3rdplt.dc...
2	testGPO	No	Yes	Enabled	None	11/15/20...	3rdplt.dc...
3	NEWGPO			Enabled	None	11/15/20...	3rdplt.dc...

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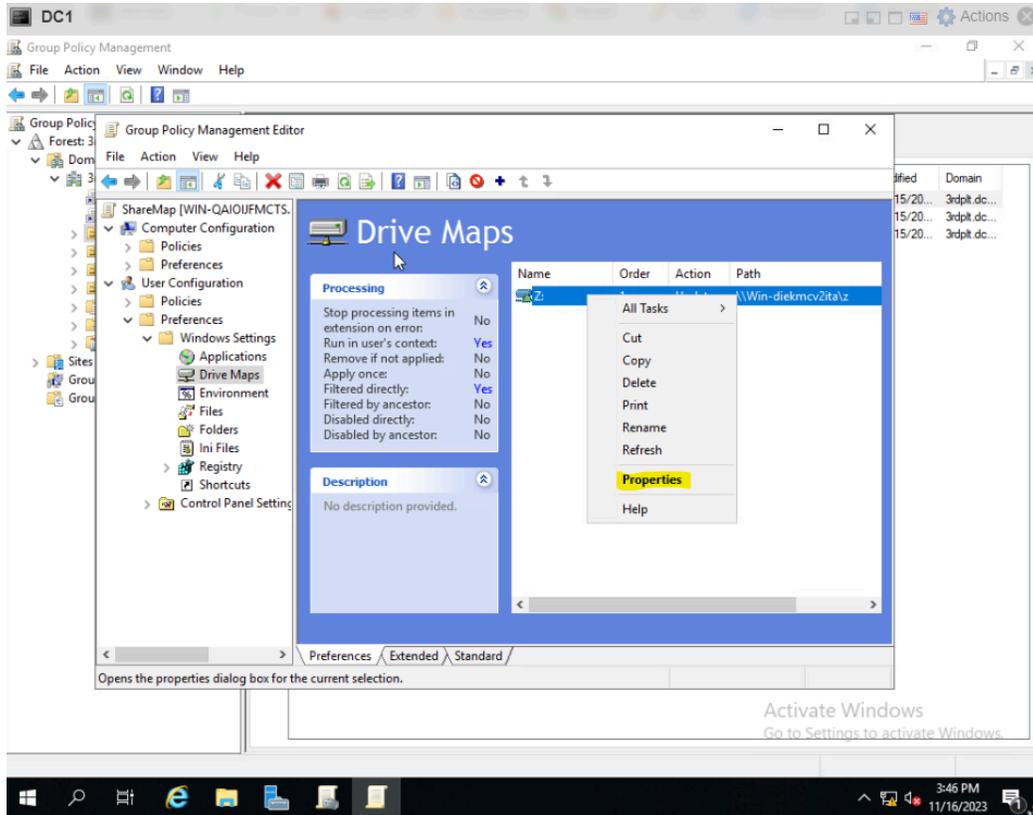


- Find the Mapped Drives under... User Configuration → Preferences → Windows Settings → Drive Maps

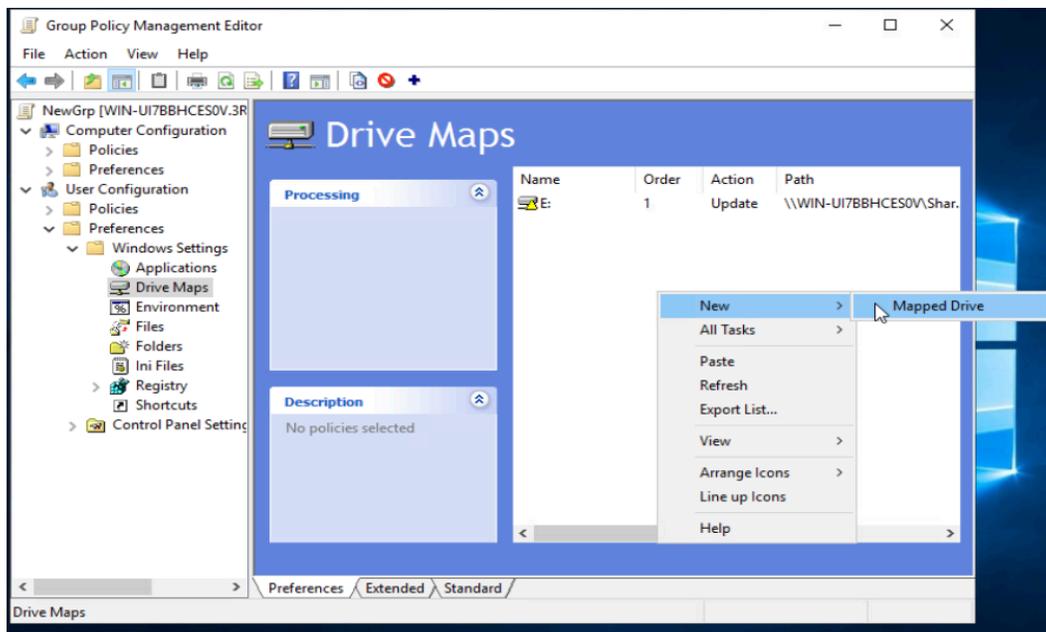
The screenshot shows the Group Policy Management Editor interface. The left-hand navigation pane is expanded to show the hierarchy: Forest: 3 > Dom > 3 > NEWGPO [WIN-QAIOUFMCTS.3RDPLT.] > Computer Configuration > Policies > Preferences > User Configuration > Policies > Preferences > Windows Settings > Applications > Drive Maps. The 'Drive Maps' folder is highlighted in yellow. The main pane displays the 'Drive Maps' configuration page, which is currently empty. It features a 'Processing' section with a blue background and a 'Description' section with the text 'No policies selected'. A table with columns 'Name', 'Order', 'Action', and 'Path' is visible, but it contains no data. The status bar at the bottom of the window shows 'Drive Maps' and navigation options: 'Preferences', 'Extended', and 'Standard'. The Windows taskbar at the bottom of the screen shows the time as 3:44 PM on 11/16/2023.



- Ensure the the drive you are attempting to map is shared with the domain (will appear in drive maps)
 - If Drive has auto-populated, Right Click the Drive you wish to map and select Properties...



- If Drive maps is empty, Right Click in empty space, select New -> Mapped Drive





- Under General setting set the location box as the drives network location

Z: Properties

General Common

Action: Update

Location: \\Win-diekmcv2\ta\z

Reconnect: Label as: ShareDrive

Drive Letter

Use first available, starting at: Use: Z

Connect as (optional)

User name: Password: Confirm password:

Hide/Show this drive

No change Hide this drive Show this drive

Hide/Show all drives

No change Hide all drives Show all drives

OK Cancel Apply Help

- Under Common settings ensure that Run in logged-on user's security context and Item-level Targeting are both selected

Z: Properties

General Common

Options common to all items

Stop processing items in this extension if an error occurs

Run in logged-on user's security context (user policy option)

Remove this item when it is no longer applied

Apply once and do not reapply

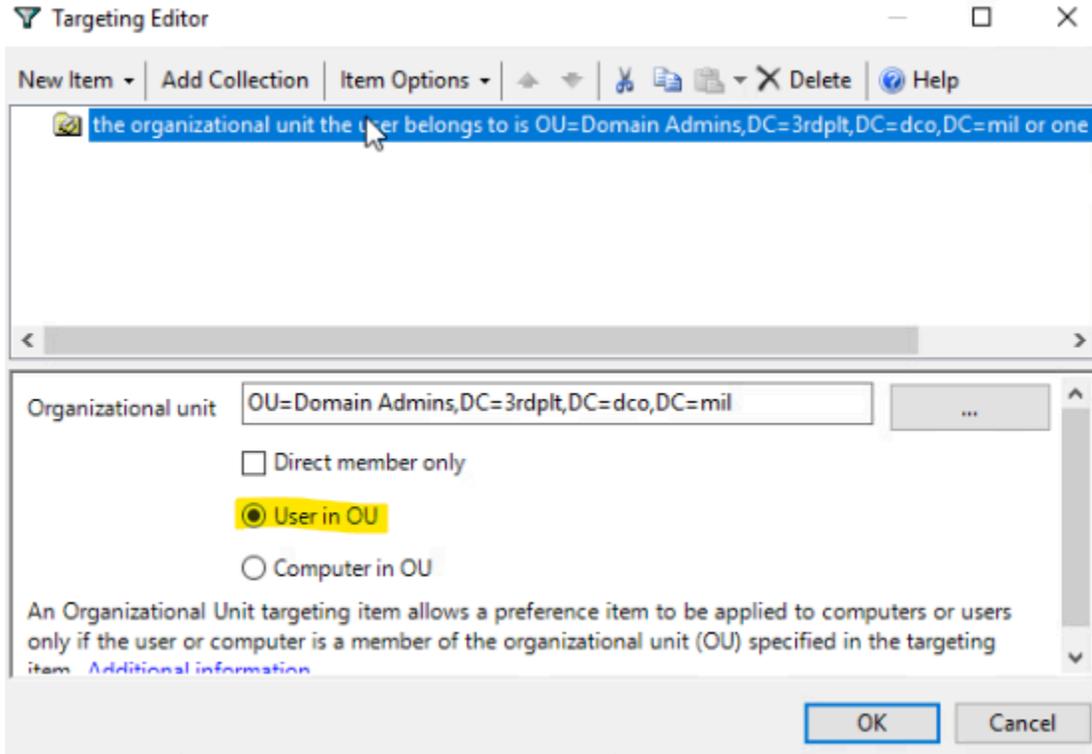
Item-level targeting Targeting...

Description

OK Cancel Apply Help



- Click the Targeting... button to the right of the boxes and double check that the GPO is being applied to the correct OU
- Ensure that the radio button in the box below is targeting Users in the OU and not Computers in the OU



- Apply and press Ok in the GPO editor and refresh your servers from the Server Manager Dashboard
- To test if your GPO has pushed to the appropriate accounts log-in with a domain admin account and run “gpupdate /force” then open the file explorer

Troubleshooting

- Check that the drive is shared with the domain
- Item-level Targeting is targeting users and not computers
- Check the location of the drive in the GPO and the network locations of the drive itself to ensure they match
- Ensure that the GPO is linked to the correct OU
- Your workstation is domain joined