WMI Access For All Users

This document outlines giving WMI access to domain member local users for Securden through GPO. It includes the following steps,

Step 1: Open 'Group Policy Management' (gpmc.msc)



Step 2: Right-Click on 'Group Policy Objects' and select 'New'. 'New GPO' popup will open, give a name for the new GPO.

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Step 3: Once the GPO is created, go to 'Security Filtering'

Step 4: Remove 'Authenticated Users' and add 'Domain Computers' under 'Security Filtering'.

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Step 5: Right-Click on the domain and choose 'Link an Existing GPO'. In case if you would like to link specific to a particular OU, you can right-click on that OU and choose 'Link an Existing GPO'.

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Step 6: Choose the newly created GPO.

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Step 7: Go to the 'Links' column of the created GPO.

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Step 8: Right-click on the link created and choose 'Enforced'.

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Step 9: Right-click on the link created and choose 'Edit'.

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Step 10: Navigate to 'Computer Configuration >> Policies >> Windows Settings >> Scripts(Startup/Shutdown) >> Startup' and choose properties.





Step 11: Go to 'Powershell Scripts' tab and choose 'Add'.

Step 12: Download wmi-enable.txt from the below link and **rename it with the extension** (wmi-enable.ps1)

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For this GPO, run scripts in the following order: Not configured PowerShell scripts require at least Windows 7 or Wi 2008 R2 She	File name: WMI-Enable.ps1		All Files Open	Cancel	,
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https://drive.google.com/file/d/10bMt27b5FI6RNt5uBhhWcm5nTe79MjJE/view?usp=sharing



Step 13: Save the 'Startup Properties' window.

Step 14: Navigate to 'Computer Configuration >> Windows Settings >> Security Settings >> Restricted Groups'.



Step 15: Right-click on 'Restricted Groups' and click 'Add Group'.



Step 16: Give the group name as 'Distributed COM Users'.



Step 17: Distributed COM Users Properties dialog will appear. Click 'Add' button under 'Members of this group'



Step 18: Give 'Authenticated Users' in the 'Add Member' dialog and save it.



Step 19: Changes related to GPO have been done. Steps 19 & 20 are optional, it explains that we can now check whether its' been propagated to the end machine. Open cmd as Administrator on the end machine and execute the command `gpupdate /force'.

Administrator: Command Prompt
Microsoft Windows [Version 10.0.20348.502] (c) Microsoft Corporation. All rights reserved.
C:\Users\Administrator.PP>gpupdate /force Updating policy
Computer Policy update has completed successfully. User Policy update has completed successfully.
C:\Users\Administrator.PP>_

Step 20: Execute 'gpresult /v' to ensure GPO has been applied on the end machine.

```
C:\Users\Administrator.PP>gpresult /v
Microsoft (R) Windows (R) Operating System Group Policy Result tool v2.0
© Microsoft Corporation. All rights reserved.
Created on [05-[04-[2022 at 00:14:35
RSOP data for PP\Administrator on PDM : Logging Mode
               _____
OS Configuration: Member Server
OS Version: 10.0.20348
Site Name: Default-First-Site-Name
Roaming Profile:
Local Profile:
                            N/A
                             C:\Users\Administrator.PP
Connected over a slow link?: No
COMPUTER SETTINGS
    CN=PDM,CN=Computers,DC=PP,DC=LOC
    Last time Group Policy was applied: 05-04-2022 at 00:13:41
    Group Policy was applied from: PDC.PP.LOC
    Group Policy slow link threshold: 500 kbps
    Domain Name:
                                        PP
    Domain Type:
                                         Windows 2008 or later
    Applied Group Policy Objects
       WMI Enable for Local Users
       Default Domain Policy
```

Step 21: Once the GPO changes are pushed to the end machines, the 'Authenticated Users' addition to 'Distributed COM Users' will be applied but the Powershell script will be executed on the next startup of the end machines.
