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Windows PowerShell Get-Help on Cmdlet 'Open-NetGPO'

| PS:\>Get-HELP | Open-NetGPO | -Full |
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NAME

Open-NetGPO

SYNOPSIS

Creates a cached copy of the Group Policy Object (GPO) to modify locally.

SYNTAX

Open-NetGPO [-PolicyStore] <String> [-AsJob] [-CimSession <CimSession[]>] [-DomainController <String>] [-ThrottleLimit <Int32>] [<CommonParameters>]

DESCRIPTION

The Open-NetGPO cmdlet caches the Group Policy Object (GPO) so that modifications can be made locally. The changes are batch returned to the policy store with the

Save-NetGPO cmdlet.

If the DomainController parameter value is not a writeable Domain Controller (DC), then the batch updates will not be applied. To help target a writeable DC, use the

cmdlets in the Active Directory module using the Get-Command (https://go.microsoft.com/fwlink/p/?LinkId=113399)cmplet

with the Module parameter set to ActiveDirectory.

An error will result for using this cmdlet when the user is not a domain administrator.

PARAMETERS

-AsJob [<SwitchParameter>]

Runs the cmdlet as a background job. Use this parameter to run commands that take a long time to complete.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-CimSession <CimSession[]>

Runs the cmdlet in a remote session or on a remote computer. Enter a computer name or a session object, such as the output of a New-CimSession

(https://go.microsoft.com/fwlink/p/?LinkId=227967)

or

[Get-CimSession](https://go.microsoft.com/fwlink/p/?LinkId=227966)cmdlet. The default is the current session on the local computer.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-DomainController <String>

Specifies the DC used to target the GPO. If this cmdlet is used without specifying this parameter, then the DC can target a read-only DC (RODC), and lose the

batch changes with Save-NetGPO. To help target a writeable DC, use the cmdlets in the Active Directory module using the Get-Command

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| | Required? | false | |
|----------------------------------|-------------------------------|--|--|
| | Position? | named | |
| | Default value | None | |
| | Accept pipeline input | ? False | |
| | Accept wildcard char | acters? false | |
| | | | |
| - | PolicyStore <string></string> | | |
| | Specifies the policy | store from which to retrieve the rules to be stored. A policy store is a container for firewall and | |
| IPs | ec policy. The acceptal | ble values for | |
| | this parameter are: | | |
| | | | |
| | - PersistentStore: S | ometimes called static rules, this store contains the persistent policy for the local computer. This | |
| poli | cy is not from GPOs, a | nd has been | |
| | created manually or | programmatically (during application installation) on the computer. Rules created in this store are | |
| atta | ched to the ActiveStor | e and activated | |
| | on the computer in | nmediately ActiveStore: This store contains the currently active policy, which is the sum of all | |
| poli | cy stores that apply to | the computer. | |
| | This is the resultant | set of policy (RSOP) for the local computer (the sum of all GPOs that apply to the computer), and | |
| the | local stores (the Persis | stentStore, the | |
| | static Windows ser | rvice hardening (WSH), and the configurable WSH) GPOs are also policy stores. Computer | |
| GPOs can be specified as follows | | | |
| | `-PolicyStore hostnar | me`. | |
| | | | |
| | Active Directory C | SPOs can be specified as follows. | |
| | | | |
| | `-PolicyStore dor | main.fqdn.com\GPO_Friendly_Namedomain.fqdn.comGPO_Friendly_Name`. | |
| | | | |
| | Such as the follo | wing. | |
| | | | |
| | `-PolicyStore lo | calhost` | |

(https://go.microsoft.com/fwlink/p/?LinkId=113309)cmdlet with the Module parameter set to ActiveDirectory.

-----`-PolicyStore corp.contoso.com\FirewallPolicy`

---- Active Directory GPOs can be created using the New-GPO cmdlet or the Group Policy Management Console. -

RSOP: This read-only store contains the sum of all

GPOs applied to the local computer.

- SystemDefaults: This read-only store contains the default state of firewall rules that ship with Windows Server 2012.

- StaticServiceStore: This read-only store contains all the service restrictions that ship with Windows Server 2012.

Optional and product-dependent features are considered part of Windows Server 2012 for the purposes of WFAS. -

ConfigurableServiceStore: This read-write store

contains all the service restrictions that are added for third-party services. In addition, network isolation rules that are

created for Windows Store application

containers will appear in this policy store. The default value is PersistentStore. The Set-NetIPsecRule cmdlet cannot be

used to add an object to a policy store.

An object can only be added to a policy store at creation time with this Copy-NetlPsecRule cmdlet or with the

New-NetIPsecRule cmdlet.

Required? true

Position? 0

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ThrottleLimit <Int32>

Specifies the maximum number of concurrent operations that can be established to run the cmdlet. If this parameter is

omitted or a value of `0` is entered, then

Windows PowerShell® calculates an optimum throttle limit for the cmdlet based on the number of CIM cmdlets that

are running on the computer. The throttle

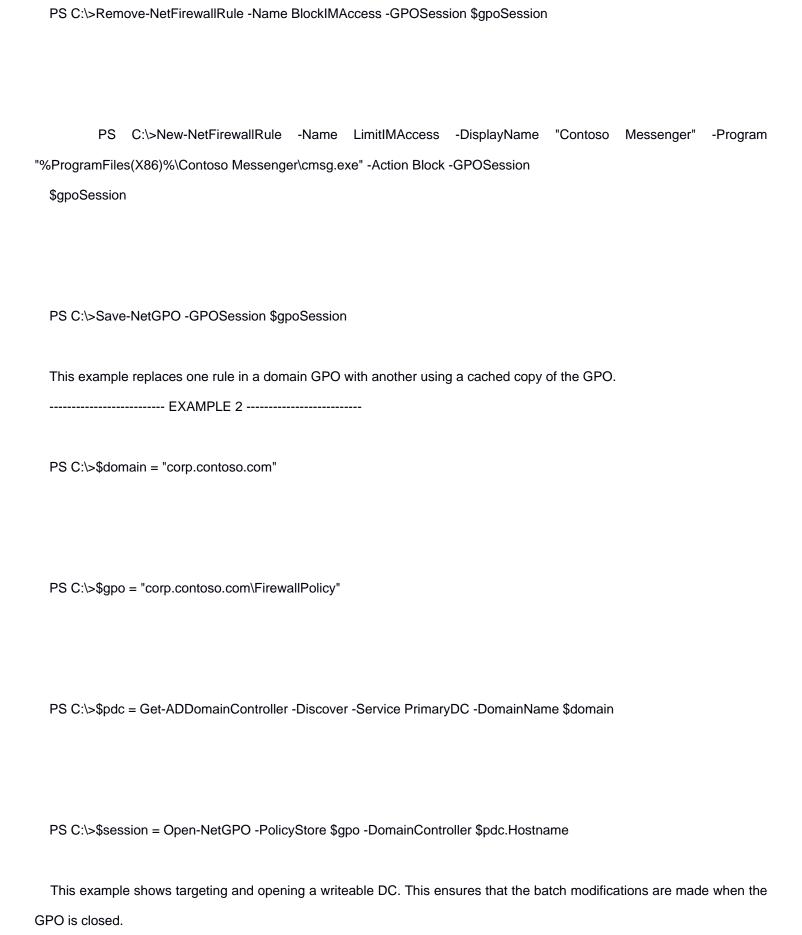
limit applies only to the current cmdlet, not to the session or to the computer.

Required? false Page 4/7

| | Default value None | | | | |
|-----|--|----|--|--|--|
| | Accept pipeline input? False | | | | |
| | Accept wildcard characters? false | | | | |
| | | | | | |
| < | <commonparameters></commonparameters> | | | | |
| | This cmdlet supports the common parameters: Verbose, Debug, | | | | |
| | ErrorAction, ErrorVariable, WarningAction, WarningVariable, | | | | |
| | OutBuffer, PipelineVariable, and OutVariable. For more information, see | | | | |
| | about_CommonParameters (https:/go.microsoft.com/fwlink/?LinkID=113216). | | | | |
| | | | | | |
| INF | PUTS | | | | |
| 1 | None | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| OU | JTPUTS | | | | |
| N | Microsoft.Management.Infrastructure.CimInstance#root\StandardCimv2\GPOSession | | | | |
| | The `Microsoft.Management.Infrastructure.CimInstance` object is a wrapper class that displays Windows Manageme | nt | | | |
| Ins | Instrumentation (WMI) objects. The path after the | | | | |
| | pound sign (`#`) provides the namespace and class name for the underlying WMI object. | | | | |
| | | | | | |
| | | | | | |
| NO | DTES | | | | |
| | | | | | |
| | | | | | |
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| | | | | | |
| - | EXAMPLE 1 | | | | |
| | | | | | |
| | PS C:\>\$apoSession = Open-NetGPO -PolicyStore castle contoso com\Win8ClientFirewallPolicy | | | | |

Position?

named



RELATED LINKS

Online Version:

https://learn.microsoft.com/powershell/module/netsecurity/open-netgpo?view=windowsserver2022-ps&wt.mc_id=ps-gethelp

Get-Command https://go.microsoft.com/fwlink/p/?LinkId=113309

New-NetFirewallRule

Remove-NetFirewallRule

Save-NetGPO

New-NetIPsecRule

Set-NetIPsecRule

Get-ADDomainController