



python



PowerShell

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PowerShell Get-Help on command 'Save-NetGPO'

PS C:\Users\wahid> Get-Help Save-NetGPO

NAME

Save-NetGPO

SYNOPSIS

Applies the modified cached local Group Policy Object (GPO) to the actual GPO.

SYNTAX

```
Save-NetGPO [-GPOSession] <String> [-AsJob] [-CimSession <CimSession[]>]
[-ThrottleLimit <Int32>] [<CommonParameters>]
```

DESCRIPTION

The Save-NetGPO cmdlet saves the changes made to the local cached group policy object. The cached Group Policy Object (GPO) copy is created with the Open-NetGPO cmdlet.

Individual operations on group policy objects require a round-trip to load the policy store. When the policy store is a GPO on a busy domain controller, an administrator will want to open the GPO, do the work on it, and then save it back, with an in-memory copy.

Modifications are performed through the use of the GPOSession parameter.

This cmdlet does not batch individual changes, it loads and saves the entire GPO at once. If any other changes were made by another administrator, or in a different Windows PowerShell session, saving the GPO would overwrite those changes.

PARAMETERS

`-AsJob [<SwitchParameter>]`

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

`-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.

`-GPOSession <String>`

Specifies the GPO session to be saved. This parameter is used in the same way as the `PolicyStore` parameter. When modifying GPOs in Windows PowerShell, each change to a GPO requires the entire GPO to be loaded, modified, and saved back. On a busy Domain Controller (DC), this can be a slow and resource-heavy operation. A GPO session loads a domain GPO onto the local computer and makes all changes in a batch, before saving it back. This reduces the load on the DC and speeds up the Windows PowerShell cmdlets. To load a GPO Session, use the `Open-NetGPO` cmdlet. To save a GPO Session, use this cmdlet.

`-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.

<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>).

----- EXAMPLE 1 -----

```
PS C:\>$gpoSession = Open-NetGPO -PolicyStore  
castle.contoso.com\Win8ClientFirewallPolicy
```

```
PS C:\>Remove-NetFirewallRule -Name BlockIMAccess -GPOSession $gpoSession
```

```
PS C:\>New-NetFirewallRule -Name LimitIMAccess -DisplayName "Contoso  
Messenger" -Program "%ProgramFiles(X86)%\Contoso Messenger\cmmsg.exe" -Action  
Block -GPOSession $gpoSession
```

```
PS C:\>Save-NetGPO -GPOSession $gpoSession
```

This example replaces one rule in a domain GPO with another using a cached

copy of the GPO.

REMARKS

To see the examples, type: "get-help Save-NetGPO -examples".

For more information, type: "get-help Save-NetGPO -detailed".

For technical information, type: "get-help Save-NetGPO -full".

For online help, type: "get-help Save-NetGPO -online"