Windows PowerShell Get-Help on Cmdlet 'New-NetFirewallHyperVProfile'

PS:\>Get-HELP New-NetFirewallHyperVProfile -Full

NAME

New-NetFirewallHyperVProfile

SYNOPSIS

Configures Hyper-V firewall profile settings settings on the target computer.

SYNTAX

New-NetFirewallHyperVProfile [-AsJob] [-CimSession <CimSession[]>] [-DefaultInboundAction {NotConfigured | Allow | Block}] [-DefaultOutboundAction {NotConfigured |

Allow | Block}] [-Enabled {False | True | NotConfigured}] [-AllowLocalFirewallRules {False | True | NotConfigured}] [-Name <String>] [-ThrottleLimit <Int32>]

[<CommonParameters>]

DESCRIPTION

The New-NetFirewallHyperVProfile cmdlet configures the Hyper-V firewall profile settings on the system. These settings are applicable to all Hyper-V firewall ports

created by a specific Hyper-V firewall VM creator. These settings apply to the VM only when the profile is active.

This cmdlet should be used when none of the following are true: a Hyper-V VM creator has registered its VM creator ID with the system, when another Hyper-V setting is

already configured for the specified VM creator ID, or when a Hyper-V firewall port is created with the specified VM creator ID. If any of these is true, the

Set-NetFirewallHyperVProfile cmdlet should be used. In other words, this cmdlet can be used to configure policy prior to the application corresponding to the specific

VM creator ID is running on the system.

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

-DefaultInboundAction <Action>

Specifies how to filter inbound traffic which does not match any Hyper-V firewall rules. The acceptable values for this parameter are: NotConfigured, Allow, or

Block.

- Block: Blocks inbound network traffic that does not match an inbound rule.

- Allow: Allows all inbound network traffic, whether or not it matches an inbound rule.

- NotConfigured: Resets this value back to its default.

The default setting is Block.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-DefaultOutboundAction <Action>

Specifies how to filter outbound traffic which does not match any Hyper-V firewall rules. The acceptable values for this parameter are: NotConfigured, Allow, or

Block.

- Block: Blocks outbound network traffic that does not match an outbound rule.

- Allow: Allows all outbound network traffic, whether or not it matches an outbound rule.

- NotConfigured: Resets this value back to its default.

The default setting is Block.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Enabled <GpoBoolean>

Determines whether or not the Hyper-V firewall is active and enforced. The acceptable values for this parameter are: False, True, or NotConfigured.

- True: Enables Windows Hyper-V firewall.

- False: Disables Windows Hyper-V firewall.

- NotConfigured: Resets this value back to its default.

The default setting is True.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-AllowLocalFirewallRules <GpoBoolean>

Specifies that the local firewall rules should be merged into the effective policy. The acceptable values for this parameter are: False, True, or NotConfigured.

- True: The firewall rules defined by the local administrator are merged with firewall rules from MDM and are applied to

the computer.

- False: The firewall rules defined by the local administrator are ignored, and only firewall rules from MDM are applied to the computer.

- NotConfigured: This resets the value back to the default.

The default setting is True.

Required? false
Position? named
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-Name <String>

Specifies that the settings are applicable only to the Hyper-V firewall VM creator with the matching ID. The format for this value is a GUID enclosed in brackets:
'{9E288F02-CE00-4D9E-BE2B-14CE463B0298}'.

Required? false
Position? named
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,
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

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

<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).

INPUTS

None

OUTPUTS

Microsoft.Management.Infrastructure.CimInstance#root\StandardCimv2\NetFirewallHyperVProfile

The `Microsoft.Management.Infrastructure.CimInstance` object is a wrapper class that displays Windows Management Instrumentation (WMI) objects. The path after the

pound sign (`#`) provides the namespace and class name for the underlying WMI object.

NOTES

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

PS C:\> New-NetFirewallHyperVProfile -Name '{9E288F02-CE00-4D9E-BE2B-14CE463B0298}' -Profile Public -Enabled True

This example configures the enabled setting on the public profile for all Hyper-V firewall ports created by the Hyper-V firewall VM creator specified.

RELATED LINKS

Online Version: https://docs.microsoft.com/powershell/module/netsecurity/new-netfirewallhypervprofile?view=windowsserver2022-ps&wt.mc_id=ps-gethelp

Get-NetfirewallHyperVRule

Get-NetfirewallHyperVPort

Get-NetfirewallHyperVVMCreator

Get-NetFirewallHyperVVMSetting

Set-NetFirewallHyperVVMSetting

Get-NetFirewallHyperVProfile

New-NetFirewallHyperVProfile

Set-NetFirewallHyperVProfile