

Version

Windows 11 and Windows Server 2022 PowerShell

Search

- Get-NetFirewallSecurityFilter
- Get-NetFirewallServiceFilter
- Get-NetFirewallSetting
- Get-NetIPsecDospSetting
- Get-NetIPsecMainModeCryptoSet
- Get-NetIPsecMainModeRule
- Get-NetIPsecMainModeSA
- Get-NetIPsecPhase1AuthSet
- Get-NetIPsecPhase2AuthSet
- Get-NetIPsecQuickModeCryptoSet
- Get-NetIPsecQuickModeSA
- Get-NetIPsecRule
- New-NetFirewallDynamicKeywordAddress
- New-NetFirewallHyperVProfile
- New-NetFirewallHyperVRule
- New-NetFirewallHyperVVMSetting
- New-NetFirewallRule
- New-NetIPsecAuthProposal
- New-NetIPsecDospSetting
- New-NetIPsecMainModeCryptoProposal
- New-NetIPsecMainModeCryptoSet
- New-NetIPsecMainModeRule
- New-NetIPsecPhase1AuthSet
- New-NetIPsecPhase2AuthSet
- New-NetIPsecQuickModeCryptoProposal
- New-NetIPsecQuickModeCryptoSet
- New-NetIPsecRule
- Open-NetGPO
- Remove-NetFirewallDynamicKeywordAddress
- Remove-NetFirewallHyperVRule
- Remove-NetFirewallRule
- Remove-NetIPsecDospSetting
- Remove-NetIPsecMainModeCryptoSet
- Remove-NetIPsecMainModeRule
- Remove-NetIPsecMainModeSA
- Remove-NetIPsecPhase1AuthSet
- Remove-NetIPsecPhase2AuthSet
- Remove-NetIPsecQuickModeCryptoSet
- Remove-NetIPsecQuickModeSA
- Remove-NetIPsecRule
- Rename-NetFirewallHyperVRule
- Rename-NetFirewallRule
- Rename-NetIPsecMainModeCryptoSet
- Rename-NetIPsecMainModeRule
- Rename-NetIPsecPhase1AuthSet
- Rename-NetIPsecPhase2AuthSet
- Rename-NetIPsecQuickModeCryptoSet

Download PDF

Learn / Windows / PowerShell / NetSecurity /

Feedback

# Get-NetFirewallRule

Reference

Module: NetSecurity

## In this article

- Syntax
- Description
- Examples
- Parameters
- Show 3 more

Retrieves firewall rules from the target computer.

## Syntax

```
PowerShell

Get-NetFirewallRule
[-All]
[-PolicyStore <String>]
[-TracePolicyStore]
[-CimSession <CimSession[]>]
[-ThrottleLimit <Int32>]
[-AsJob]
[<CommonParameters>]
```

```
PowerShell

Get-NetFirewallRule
[-Name] <String[]>
[-PolicyStore <String>]
[-TracePolicyStore]
[-CimSession <CimSession[]>]
[-ThrottleLimit <Int32>]
[-AsJob]
[<CommonParameters>]
```

```
PowerShell

Get-NetFirewallRule
-DisplayName <String[]>
[-PolicyStore <String>]
[-TracePolicyStore]
[-CimSession <CimSession[]>]
[-ThrottleLimit <Int32>]
[-AsJob]
[<CommonParameters>]
```


```
PowerShell

Get-NetFirewallRule
[-Description <String[]>]
[-DisplayGroup <String[]>]
[-Group <String[]>]
[-Enabled <Enabled[]>]
[-Direction <Direction[]>]
[-Action <Action[]>]
[-EdgeTraversalPolicy <EdgeTraversal[]>]
[-LooseSourceMapping <Boolean[]>]
[-LocalOnlyMapping <Boolean[]>]
[-Owner <String[]>]
[-PrimaryStatus <PrimaryStatus[]>]
[-Status <String[]>]
[-PolicyStoreSource <String[]>]
[-PolicyStoreSourceType <PolicyStoreType[]>]
[-PolicyStore <String>]
[-TracePolicyStore]
[-CimSession <CimSession[]>]
[-ThrottleLimit <Int32>]
[-AsJob]
[<CommonParameters>]
```


```
PowerShell

Get-NetFirewallRule
-AssociatedNetFirewallAddressFilter <CimInstance>
```


```
[ -PolicyStore <String>]
[ -TracePolicyStore]
[ -CimSession <CimSession[]>]
[ -ThrottleLimit <Int32>]
[ -AsJob]
[<CommonParameters>]
```

PowerShell  Copy


```
Get-NetFirewallRule
-AssociatedNetFirewallApplicationFilter <CimInstance>
[ -PolicyStore <String>]
[ -TracePolicyStore]
[ -CimSession <CimSession[]>]
[ -ThrottleLimit <Int32>]
[ -AsJob]
[<CommonParameters>]
```

PowerShell  Copy


```
Get-NetFirewallRule
-AssociatedNetFirewallInterfaceFilter <CimInstance>
[ -PolicyStore <String>]
[ -TracePolicyStore]
[ -CimSession <CimSession[]>]
[ -ThrottleLimit <Int32>]
[ -AsJob]
[<CommonParameters>]
```

PowerShell  Copy


```
Get-NetFirewallRule
-AssociatedNetFirewallInterfaceTypeFilter <CimInstance>
[ -PolicyStore <String>]
[ -TracePolicyStore]
[ -CimSession <CimSession[]>]
[ -ThrottleLimit <Int32>]
[ -AsJob]
[<CommonParameters>]
```

PowerShell  Copy


```
Get-NetFirewallRule
-AssociatedNetFirewallPortFilter <CimInstance>
[ -PolicyStore <String>]
[ -TracePolicyStore]
[ -CimSession <CimSession[]>]
[ -ThrottleLimit <Int32>]
[ -AsJob]
[<CommonParameters>]
```

PowerShell  Copy

```
Get-NetFirewallRule
-AssociatedNetFirewallSecurityFilter <CimInstance>
[ -PolicyStore <String>]
[ -TracePolicyStore]
[ -CimSession <CimSession[]>]
[ -ThrottleLimit <Int32>]
[ -AsJob]
[<CommonParameters>]
```

PowerShell  Copy

```
Get-NetFirewallRule
-AssociatedNetFirewallServiceFilter <CimInstance>
[ -PolicyStore <String>]
[ -TracePolicyStore]
[ -CimSession <CimSession[]>]
[ -ThrottleLimit <Int32>]
[ -AsJob]
[<CommonParameters>]
```

PowerShell  Copy

```
Get-NetFirewallRule
-AssociatedNetFirewallProfile <CimInstance>
[ -PolicyStore <String>]
[ -TracePolicyStore]
[ -CimSession <CimSession[]>]
[ -ThrottleLimit <Int32>]
[ -AsJob]
[<CommonParameters>]
```

## Description

The **Get-NetFirewallRule** cmdlet returns the instances of firewall rules that match the search parameters from the user. See the **New-NetFirewallRule** cmdlet for more information.

This cmdlet returns one or more firewall rules by specifying the *Name* parameter (default), the *DisplayName* parameter, rule properties, or by associated filters or objects. The queried rules can be placed into variables and piped to other cmdlets for further modifications or monitoring.

When running the cmdlet with the **Get** verb for any firewall, IPsec, or main mode rule, notice that the common conditions like addresses or ports do not appear. These conditions are represented in separate objects called filters. The filter-to-rule relationship is always one-to-one and is managed automatically. If a query for rules based on these parameters (ports, addresses, security, interfaces, and services) is performed, then the filter objects with the corresponding cmdlet with the **Get** verb should to be retrieved. See the **Get-NetFirewallAddressFilter**, **Get-NetFirewallApplicationFilter**, **Get-NetFirewallInterfaceFilter**, **Get-NetFirewallInterfaceTypeFilter**, **Get-NetFirewallPortFilter**, **Get-NetFirewallProfile**, **Get-NetFirewallSecurityFilter**, **Get-NetFirewallServiceFilter**, or **Get-NetFirewallRule** cmdlet for more information.

## Examples

### EXAMPLE 1

PowerShellCopy

```
PS C:\>Get-NetFirewallRule -PolicyStore ActiveStore
```

This example retrieves all of the firewall rules in the active store, which is a collection of all of the policy stores that apply to the computer. Running this cmdlet without specifying the policy store retrieves the persistent store.

### EXAMPLE 2

PowerShellCopy

```
PS C:\>Get-NetFirewallProfile -Name Public | Get-NetFirewallRule
```

This example retrieves all of the firewall rules scoped to the public profile.

### EXAMPLE 3

PowerShellCopy

```
PS C:\>$nfServiceFilter = Get-NetFirewallRule -Group "@FirewallAPI.dll,-30502" | Get-NetFirewallServiceFilter

PS C:\>Set-NetFirewallServiceFilter -Service Ssdpsrv -InputObject $nfServiceFilter

This cmdlet can be run using only the pipeline.
PS C:\>Get-NetFirewallRule -Group "@FirewallAPI.dll,-30502" | Get-NetFirewallServiceFilter -Service Any |
```

This example modifies the service associated with firewall rules in a specified group.

## Parameters

#### -Action

Specifies that matching firewall rules of the indicated action are retrieved. This parameter specifies the action to take on traffic that matches this rule. The acceptable values for this parameter are: Allow or Block.

- Allow: Network packets that match all of the criteria specified in this rule are permitted through the firewall. This is the default value.
- Block: Network packets that match all of the criteria specified in this rule are dropped by the firewall.

The default value is Allow. The **OverrideBlockRules** field changes an allow rule into an allow bypass rule.

Expand table

Type:	Action[]
Accepted values:	NotConfigured, Allow, Block
Position:	Named
Default value:	None
Required:	False
Accept pipeline input:	False
Accept wildcard characters:	False

-All

Indicates that all of the firewall rules within the specified policy store are retrieved.

[Expand table](#)

Type:	SwitchParameter
Position:	Named
Default value:	None
Required:	False
Accept pipeline input:	False
Accept wildcard characters:	False

-AsJob

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

[Expand table](#)

Type:	SwitchParameter
Position:	Named
Default value:	None
Required:	False
Accept pipeline input:	False
Accept wildcard characters:	False

-AssociatedNetFirewallAddressFilter

Gets the firewall rules that are associated with the given address filter to be retrieved. A **NetFirewallAddressFilter** object represents the address conditions associated with a rule. See the Get-NetFirewallAddressFilter cmdlet for more information.

[Expand table](#)

Type:	CimInstance
Position:	Named
Default value:	None
Required:	True
Accept pipeline input:	True
Accept wildcard characters:	False

-AssociatedNetFirewallApplicationFilter

Gets the firewall rules that are associated with the given application filter to be retrieved. A **NetFirewallApplicationFilter** object represents the applications associated with a rule. See the Get-NetFirewallApplicationFilter cmdlet for more information.

[Expand table](#)

Type:	CimInstance
Position:	Named
Default value:	None
Required:	True
Accept pipeline input:	True
Accept wildcard characters:	False

-AssociatedNetFirewallInterfaceFilter

Gets the firewall rules that are associated with the given interface filter to be retrieved. A **NetFirewallInterfaceFilter** object represents the interface conditions associated with a rule. See the Get-NetFirewallInterfaceFilter cmdlet for more information.

[Expand table](#)

Type:	CimInstance
Position:	Named

Default value:	None
Required:	True
Accept pipeline input:	True
Accept wildcard characters:	False

-AssociatedNetFirewallInterfaceTypeFilter

Gets the firewall rules that are associated with the given interface type filter to be retrieved. A **NetFirewallInterfaceTypeFilter** object represents the interface conditions associated with a rule. See the Get-NetFirewallInterfaceTypeFilter cmdlet for more information.

[Expand table](#)

Type:	CimInstance
Position:	Named
Default value:	None
Required:	True
Accept pipeline input:	True
Accept wildcard characters:	False

-AssociatedNetFirewallPortFilter

Gets the firewall rules that are associated with the given port filter to be retrieved. A **NetFirewallPortFilter** object represents the port conditions associated with a rule. See the Get-NetFirewallPortFilter cmdlet for more information.

[Expand table](#)

Type:	CimInstance
Position:	Named
Default value:	None
Required:	True
Accept pipeline input:	True
Accept wildcard characters:	False

-AssociatedNetFirewallProfile

Gets the firewall rules that are associated with the given firewall profile type to be retrieved. A **NetFirewallProfile** object represents the profile conditions associated with a rule. See the Get-NetFirewallProfile cmdlet for more information.

[Expand table](#)

Type:	CimInstance
Position:	Named
Default value:	None
Required:	True
Accept pipeline input:	True
Accept wildcard characters:	False

-AssociatedNetFirewallSecurityFilter

Gets the firewall rules that are associated with the given security filter to be retrieved. A *NetFirewallSecurityFilter* object represents the security conditions associated with a rule. See the Get-NetFirewallSecurityFilter cmdlet for more information. The security conditions include the *Authentication*, *Encryption*, *LocalUser*, *RemoteUser*, and *RemoteMachine* parameters.

[Expand table](#)

Type:	CimInstance
Position:	Named
Default value:	None
Required:	True
Accept pipeline input:	True
Accept wildcard characters:	False

-AssociatedNetFirewallServiceFilter

Gets the firewall rules that are associated with the given service filter to be retrieved. A *NetFirewallServiceFilter* object represents the profile conditions associated with a rule. See the Get-NetFirewallServiceFilter cmdlet for more information.

[Expand table](#)

Type:	CimInstance
Position:	Named
Default value:	None
Required:	True
Accept pipeline input:	True
Accept wildcard characters:	False

-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](#) or [Get-CimSession](#) cmdlet. The default is the current session on the local computer.

[Expand table](#)

Type:	CimSession[]
Aliases:	Session
Position:	Named
Default value:	None
Required:	False
Accept pipeline input:	False
Accept wildcard characters:	False

-Description

Specifies that matching firewall rules of the indicated description are retrieved. Wildcard characters are accepted. This parameter provides information about the firewall rule. This parameter specifies the localized, user-facing description of the IPsec rule.

[Expand table](#)

Type:	String[]
Position:	Named
Default value:	None
Required:	False
Accept pipeline input:	False
Accept wildcard characters:	False

-Direction

Specifies that matching firewall rules of the indicated direction are retrieved. This parameter specifies which direction of traffic to match with this rule. The acceptable values for this parameter are: Inbound or Outbound. The default value is Inbound.

[Expand table](#)

Type:	Direction[]
Accepted values:	Inbound, Outbound
Position:	Named
Default value:	None
Required:	False
Accept pipeline input:	False
Accept wildcard characters:	False

-DisplayGroup

Specifies that only matching firewall rules of the indicated group association are retrieved. Wildcard characters are accepted. The *Group* parameter specifies the source string for this parameter. If the value for this parameter is a localizable string, then the *Group* parameter contains an indirect string. Rule groups can be used to organize rules by

influence and allows batch rule modifications. Using the Set-NetFirewallRule cmdlet, if the group name is specified for a set of rules or sets, then all of the rules or sets in that group receive the same set of modifications. It is good practice to specify the *Group* parameter value with a universal and world-ready indirect @FirewallAPI name. This parameter cannot be specified upon object creation using the New-NetFirewallRule cmdlet, but can be modified using dot-notation and the Set-NetFirewallRule cmdlet.

 Expand table

Type:	String[]
Position:	Named
Default value:	None
Required:	False
Accept pipeline input:	False
Accept wildcard characters:	False

**-DisplayName**

Specifies that only matching firewall rules of the indicated display name are retrieved. Wildcard characters are accepted. Specifies the localized, user-facing name of the firewall rule being retrieved. When creating a rule this parameter is required. This parameter value is locale-dependent. If the object is not modified, this parameter value may change in certain circumstances. When writing scripts in multi-lingual environments, the *Name* parameter should be used instead, where the default value is a randomly assigned value. This parameter cannot be set to All.

 Expand table

Type:	String[]
Position:	Named
Default value:	None
Required:	True
Accept pipeline input:	False
Accept wildcard characters:	False

**-EdgeTraversalPolicy**

Specifies that matching firewall rules of the indicated edge traversal policy are retrieved. This parameter specifies how this firewall rule will handle edge traversal cases. Edge traversal allows the computer to accept unsolicited inbound packets that have passed through an edge device, such as a network address translation (NAT) router or firewall. This option applies to inbound rules only. The acceptable values for this parameter are: Block, Allow, DeferToUser, or DeferToApp.

- Block: Prevents applications from receiving unsolicited traffic from the Internet through a NAT edge device.
- Allow: Allows applications to receive unsolicited traffic directly from the Internet through a NAT edge device.
- DeferToUser: Allows the user to decide whether to allow unsolicited traffic from the Internet through a NAT edge device when an application requests it.
- DeferToApp: Allows each application to determine whether to allow unsolicited traffic from the Internet through a NAT edge device.

The default value is Block. The DeferToApp and DeferToUser options are only valid for computers running firstref\_client\_7, firstref\_server\_7, and Windows Server® 2012.

 Expand table

Type:	EdgeTraversal[]
Accepted values:	Block, Allow, DeferToUser, DeferToApp
Position:	Named
Default value:	None
Required:	False
Accept pipeline input:	False
Accept wildcard characters:	False

**-Enabled**

Specifies that matching firewall rules of the indicated state are retrieved. This parameter specifies that the rule object is administratively enabled or administratively disabled. The acceptable values for this parameter are:

- True: Specifies the rule is currently enabled.
- False: Specifies the rule is currently disabled. A disabled rule will not actively modify computer behavior, but the management construct still exists on the computer so it can be re-enabled.

[Expand table](#)

Type:	Enabled[]
Accepted values:	True, False
Position:	Named
Default value:	None
Required:	False
Accept pipeline input:	False
Accept wildcard characters:	False

-Group

Specifies that only matching firewall rules of the indicated group association are retrieved. Wildcard characters are accepted. This parameter specifies the source string for the *DisplayGroup* parameter. If the *DisplayGroup* parameter value is a localizable string, then this parameter contains an indirect string. Rule groups can be used to organize rules by influence and allows batch rule modifications. Using the Set-NetFirewallRule cmdlet, if the group name is specified for a set of rules or sets, then all of the rules or sets in that group receive the same set of modifications. It is a good practice to specify this parameter value with a universal and world-ready indirect @FirewallAPI name. The *DisplayGroup* parameter cannot be specified upon object creation using the New-NetFirewallRule cmdlet, but can be modified using dot-notation and the Set-NetFirewallRule cmdlet.

[Expand table](#)

Type:	String[]
Position:	Named
Default value:	None
Required:	False
Accept pipeline input:	False
Accept wildcard characters:	False

-LocalOnlyMapping

Indicates that matching firewall rules of the indicated value are retrieved. This parameter specifies the firewall rules for local only mapping, which describes whether a packet must pass through a local address on the way to the destination. Non-TCP traffic is session-less. Windows Firewall authorizes traffic per session, not per packet, for performance reasons. Generally, non-TCP sessions are inferred by checking the following fields: local address, remote address, protocol, local port, and remote port. If this parameter is set to True, then the remote address and port will be ignored when inferring remote sessions. Sessions will be grouped based on local address, protocol, and local port. This is similar to the **LooseSourceMapping** parameter, but performs better in cases where the traffic does not need to be filtered by remote address. This could improve performance on heavy server workloads where UDP requests come from dynamic client ports. For instance, Teredo relay servers.

[Expand table](#)

Type:	Boolean[]
Position:	Named
Default value:	None
Required:	False
Accept pipeline input:	False
Accept wildcard characters:	False

-LooseSourceMapping

Indicates that matching firewall rules of the indicated value are retrieved. This parameter specifies the firewall rules for loose source mapping, which describes whether a packet can have a non-local source address when being forwarded to a destination. If this parameter is set to True, then the rule accepts packets incoming from a host other than the one to which the packets were sent. This parameter applies only to UDP protocol traffic. The default value is False.

[Expand table](#)

Type:	Boolean[]
Aliases:	LSM
Position:	Named
Default value:	None
Required:	False



Accept pipeline input:	False
Accept wildcard characters:	False

-Name

Specifies that only matching firewall rules of the indicated name are retrieved. Wildcard characters are accepted. This parameter acts just like a filename, in that only one rule with a given name may exist in a policy store at a time. During group policy processing and policy merge, rules that have the same name but come from multiple stores being merged, will overwrite one another so that only one exists. This overwriting behavior is desirable if the rules serve the same purpose. For instance, all of the firewall rules have specific names, so if an administrator can copy these rules to a GPO, and the rules will override the local versions on a local computer. GPOs can have precedence. So if an administrator has a different or more specific rule with the same name in a higher-precedence GPO, then it overrides other rules that exist. The default value is a randomly assigned value. When the defaults for main mode encryption need to overridden, specify the customized parameters and set this parameter, making it the new default setting for encryption.

 Expand table

Type:	String[]
Aliases:	ID
Position:	0
Default value:	None
Required:	True
Accept pipeline input:	False
Accept wildcard characters:	False

-Owner

Specifies that matching firewall rules of the indicated owner are retrieved. This parameter specifies the owner of the firewall rule, represented as an SDDL string. All Windows Store applications that require network traffic create network isolation rules (normally through installing via the Store), where the user that installed the application is the owner. This parameter specifies that only network packets that are authenticated as coming from or going to an owner identified in the list of accounts (SID) match this rule.

 Expand table

Type:	String[]
Position:	Named
Default value:	None
Required:	False
Accept pipeline input:	False
Accept wildcard characters:	False

-PolicyStore

Targets the policy store from which to retrieve the rules. A policy store is a container for firewall and IPsec policy. The acceptable values for this parameter are:

- PersistentStore: Sometimes called static rules, this store contains the persistent policy for the local computer. This policy is not from GPOs, and has been created manually or programmatically (during application installation) on the computer. Rules created in this store are attached to the ActiveStore and activated on the computer immediately.
- ActiveStore: This store contains the currently active policy, which is the sum of all policy 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 PersistentStore, the static Windows service hardening (WSH), and the configurable WSH). ---- GPOs are also policy stores. Computer GPOs can be specified as follows. ----- `- PolicyStore hostname`. ---- Active Directory GPOs can be specified as follows. ----- `-PolicyStore domain.fqdn.com\GPO_Friendly_Namedomain.fqdn.comGPO_Friendly_Name`. ----- Such as the following. ----- `- PolicyStore localhost` ----- `-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 are stored in the registry under `HKLM:\SYSTEM\CurrentControlSet\Services\SharedAccess\Parameters\FirewallPolicy\RestrictedServices\Applso` and aren't accessible with **Get-NetFirewallRule**. The default value is PersistentStore. The **Set-NetFirewallRule**

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 the **Copy-NetFirewallRule** or with the **New-NetFirewallRule** cmdlet.

[Expand table](#)

Type:	String
Position:	Named
Default value:	None
Required:	False
Accept pipeline input:	False
Accept wildcard characters:	False

**-PolicyStoreSource**

Specifies that firewall rules matching the indicated policy store source are retrieved. This parameter contains a path to the policy store where the rule originated if the object is retrieved from the ActiveStore with the TracePolicyStoreSource option set. This parameter value is automatically generated and should not be modified. The monitoring output from this parameter is not completely compatible with the *PolicyStore* parameter. This parameter value cannot always be passed into the *PolicyStore* parameter. Domain GPOs are one example in which this parameter contains only the GPO name, not the domain name.

[Expand table](#)

Type:	String[]
Position:	Named
Default value:	None
Required:	False
Accept pipeline input:	False
Accept wildcard characters:	False

**-PolicyStoreSourceType**

Specifies that firewall rules that match the indicated policy store source type are retrieved. This parameter describes the type of policy store where the rule originated if the object is retrieved from the ActiveStore with the TracePolicyStoreSource option set. This parameter value is automatically generated and should not be modified. The acceptable values for this parameter are:

- Local: The object originates from the local store.
- GroupPolicy: The object originates from a GPO.
- Dynamic: The object originates from the local runtime state. This policy store name is not valid for use in the cmdlets, but may appear when monitoring active policy.
- Generated: The object was generated automatically. This policy store name is not valid for use in the cmdlets, but may appear when monitoring active policy.
- Hardcoded: The object was hard-coded. This policy store name is not valid for use in the cmdlets, but may appear when monitoring active policy.

[Expand table](#)

Type:	PolicyStoreType[]
Accepted values:	None, Local, GroupPolicy, Dynamic, Generated, Hardcoded
Position:	Named
Default value:	None
Required:	False
Accept pipeline input:	False
Accept wildcard characters:	False

**-PrimaryStatus**

Specifies that firewall rules that match the indicated primary status are retrieved. This parameter specifies the overall status of the rule.

- OK: Specifies that the rule will work as specified.
- Degraded: Specifies that one or more parts of the rule will not be enforced.
- Error: Specifies that the computer is unable to use the rule at all.

[Expand table](#)

Type:	PrimaryStatus[]
-------	-----------------

Accepted values:	Unknown, OK, Inactive, Error
Position:	Named
Default value:	None
Required:	False
Accept pipeline input:	False
Accept wildcard characters:	False

-Status

Specifies that firewall rules that match the indicated status are retrieved. This parameter describes the status message for the specified status code value. The status code is a numerical value that indicates any syntax, parsing, or runtime errors in the rule or set. This parameter value should not be modified.

[Expand table](#)

Type:	String[]
Position:	Named
Default value:	None
Required:	False
Accept pipeline input:	False
Accept wildcard characters:	False

-ThrottleLimit

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.

[Expand table](#)

Type:	Int32
Position:	Named
Default value:	None
Required:	False
Accept pipeline input:	False
Accept wildcard characters:	False

-TracePolicyStore

Specifies that the name of the source GPO is queried and set to the *PolicyStoreSource* parameter value.

[Expand table](#)

Type:	SwitchParameter
Position:	Named
Default value:	None
Required:	False
Accept pipeline input:	False
Accept wildcard characters:	False

# Inputs

CimInstance

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.

CimInstance

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.

CimInstance

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.

CimInstance

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.

CimInstance

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.

CimInstance

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.

CimInstance

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.

CimInstance

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.

## Outputs

CimInstance

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.

## Related Links

- [Copy-NetFirewallRule](#)
- [Get-NetFirewallAddressFilter](#)
- [Get-NetFirewallApplicationFilter](#)
- [Get-NetFirewallInterfaceFilter](#)
- [Get-NetFirewallInterfaceTypeFilter](#)
- [Get-NetFirewallPortFilter](#)
- [Get-NetFirewallProfile](#)
- [Get-NetFirewallRule](#)
- [Get-NetFirewallSecurityFilter](#)
- [Get-NetFirewallServiceFilter](#)
- [New-NetFirewallRule](#)
- [Open-NetGPO](#)
- [Save-NetGPO](#)
- [Set-NetFirewallRule](#)
- [Set-NetFirewallServiceFilter](#)

## Feedback

Was this page helpful?

👍 Yes

👎 No

[Provide product feedback](#)