



python



PowerShell

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PowerShell Get-Help on command 'Get-NetTransportFilter'

PS C:\Users\wahid> Get-Help Get-NetTransportFilter

NAME

Get-NetTransportFilter

SYNOPSIS

Gets transport filters.

SYNTAX

```
Get-NetTransportFilter [-AsJob] [-AssociatedTCPSetting <CimInstance>]
[-CimSession <CimSession[]>] [-DestinationPrefix <String[]>] [-LocalPortEnd
<UInt16[]>] [-LocalPortStart <UInt16[]>] [-Protocol {TCP | UDP}]
[-RemotePortEnd <UInt16[]>] [-RemotePortStart <UInt16[]>] [-SettingName
<String[]>] [-ThrottleLimit <Int32>] [<CommonParameters>]
```

DESCRIPTION

The Get-NetTransportFilter cmdlet gets transport filters. A transport filter specifies the TCP settings, as a NetTcpSetting object, to apply to an IP address prefix or a TCP port range. Use the cmdlet without parameters to get all transport filters for the computer.

Use the `New-NetTransportFilter` cmdlet to create transport filters, and use the `Remove-NetTransportFilter` cmdlet to remove filters.

PARAMETERS

`-AsJob` [`<SwitchParameter>`]

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

`-AssociatedTCPSetting` `<CimInstance>`

Specifies a `NetTCPSetting` object. The cmdlet gets transport filters associated with the setting that you specify. To obtain a `NetTCPSetting` object, use the `Get-NetTCPSetting` cmdlet.

`-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.

`-DestinationPrefix` `<String[]>`

Specifies an array of destination prefixes of IP routes. The cmdlet gets transport filters that have the prefixes that you specify. A destination prefix consists of an IP address prefix and a prefix length, separated by a slash (/).

`-LocalPortEnd` `<UInt16[]>`

Specifies an array of upper bounds of ranges of local TCP ports. The cmdlet removes transport filters that have the upper bounds that you specify.

`-LocalPortStart` `<UInt16[]>`

Specifies an array of lower bounds of ranges of local TCP ports. The cmdlet removes transport filters that have the lower bounds that you specify.

-Protocol <Protocol[]>

Specifies an array of types of routing protocols. The cmdlet gets transport filters based on the protocols that you specify. The acceptable values for this parameter are:

- Bbn

- Bgp

- Dhcp

- Dvmrp

- Egp

- Eigrp

- EsIs

- Ggp

- Hello

- Icmp

- Idpr

- Igrp

- IsIs

- Local

- NetMgmt

- Ospf

- Rip

- Rpl

- Other

-RemotePortEnd <UInt16[]>

Specifies an array of upper bounds of ranges of remote TCP ports. The cmdlet removes transport filters that have the upper bounds that you specify.

-RemotePortStart <UInt16[]>

Specifies an array of lower bounds of a ranges of remote TCP ports. The cmdlet removes transport filters that have the lower bounds that you specify.

-SettingName <String[]>

Specifies an array of setting names. The cmdlet gets transport filters that have the settings that you specify. The acceptable values for this parameter are:

- Internet

- Datacenter

- Compat

- Custom

-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: Get all transport filters -----

```
PS C:\>Get-NetTransportFilter
```

This command gets all the transport filters on the computer.

Example 2: Get transport filters that apply specified settings

```
PS C:\>Get-NetTransportFilter -SettingName Internet
```

This command gets transport filters that apply Internet settings.

REMARKS

To see the examples, type: "get-help Get-NetTransportFilter -examples".

For more information, type: "get-help Get-NetTransportFilter -detailed".

For technical information, type: "get-help Get-NetTransportFilter -full".

For online help, type: "get-help Get-NetTransportFilter -online"

