



python



PowerShell

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PowerShell Get-Help on command 'Get-NetTCPConnection'

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

NAME

Get-NetTCPConnection

SYNOPSIS

Gets TCP connections.

SYNTAX

```
Get-NetTCPConnection [[-LocalAddress] <String[]>] [[-LocalPort] <UInt16[]>]
[-AppliedSetting {Internet | Datacenter | Compat | DatacenterCustom |
InternetCustom}] [-AsJob] [-CimSession <CimSession[]>] [-CreationTime
<DateTime[]>] [-OffloadState {InHost | Offloading | Offloaded | Uploading}]
[-OwningProcess <UInt32[]>] [-RemoteAddress <String[]>] [-RemotePort
<UInt16[]>] [-State {Closed | Listen | SynSent | SynReceived | Established |
FinWait1 | FinWait2 | CloseWait | Closing | LastAck | TimeWait | DeleteTCB |
Bound}] [-ThrottleLimit <Int32>] [<CommonParameters>]
```

DESCRIPTION

The Get-NetTCPConnection cmdlet gets current TCP connections. Use this cmdlet to view TCP connection properties such as local or remote IP address, local or

remote port, and connection state.

PARAMETERS

-AppliedSetting <AppliedSetting[]>

Specifies an array of values of applied settings. The cmdlet gets connections that match the settings that you specify. The acceptable values for this parameter are:

- Internet

- Datacenter

- Compat

- Custom

-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.

-CreationTime <DateTime[]>

Specifies an array of `DateTime` objects. To get a `DateTime` object, use the `Get-Date` cmdlet.

-LocalAddress <String[]>

Specifies an array of local IP addresses. The cmdlet gets connections for the addresses that you specify.

`-LocalPort <UInt16[]>`

Specifies an array of local ports. The cmdlet gets connections for the ports that you specify.

`-OffloadState <OffloadState[]>`

Specifies the offload state of a TCP connection.

`-OwningProcess <UInt32[]>`

Specifies the PID of the owning process of a TCP connection.

`-RemoteAddress <String[]>`

Specifies an array of remote IP addresses. The cmdlet gets connections for the addresses that you specify.

`-RemotePort <UInt16[]>`

Specifies an array of remote ports. The cmdlet gets connections for the ports that you specify.

`-State <State[]>`

Specifies an array of TCP states. The cmdlet gets connections that match the states that you specify. The acceptable values for this parameter are:

- Bound

- Closed

- CloseWait

- Closing

- DeleteTCB
- Established
- FinWait1
- FinWait2
- LastAck
- Listen
- SynReceived
- SynSent
- TimeWait

-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 \(https://go.microsoft.com/fwlink/?LinkID=113216\)](https://go.microsoft.com/fwlink/?LinkID=113216).

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

This command gets all current TCP connections.

----- Example 2: Get established connections -----

```
PS C:\>Get-NetTCPConnection -State Established
```

This command gets all TCP connections that have an Established state.

----- Example 3: Get Internet TCP connections -----

```
PS C:\>Get-NetTCPConnection -AppliedSetting Internet
```

This command gets all TCP connections that use a TCP applied setting of Internet.

----- Example 4: Get Owing Process -----

```
PS C:\>Get-NetTcpConnection -OwningProcess 18948
```

This command gets all Owing Process with PID 18948

REMARKS

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

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

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

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