



Windows PowerShell Get-Help on Cmdlet 'Get-NetConnectionProfile'

PS:\>Get-HELP Get-NetConnectionProfile -Full

NAME

Get-NetConnectionProfile

SYNOPSIS

Gets a connection profile.

SYNTAX

```
Get-NetConnectionProfile [-AsJob] [-CimSession <CimSession[]>] [-IPv4Connectivity {Disconnected | NoTraffic | Subnet | LocalNetwork | Internet}] [-IPv6Connectivity {Disconnected | NoTraffic | Subnet | LocalNetwork | Internet}] [-InterfaceAlias <String[]>] [-InterfaceIndex <UInt32[]>] [-Name <String[]>] [-NetworkCategory {Public | Private | DomainAuthenticated}] [-ThrottleLimit <Int32>] [<CommonParameters>]
```

DESCRIPTION

The Get-NetConnectionProfile cmdlet gets a connection profile associated with one or more physical network adapters. A connection profile represents a network connection.

PARAMETERS

`-AsJob [<SwitchParameter>]`

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

The cmdlet immediately returns an object that represents the job and then displays the command prompt. You can continue to work in the session while the job

completes. To manage the job, use the ``*-Job`` cmdlets. To get the job results, use the `Receive-Job` (<https://go.microsoft.com/fwlink/?LinkID=113372>) cmdlet.

For more information about Windows PowerShell background jobs, see `about_Jobs` (<https://go.microsoft.com/fwlink/?LinkID=113251>).

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

`-IPv4Connectivity <IPv4Connectivity[]>`

Specifies an array of IPv4 protocol connectivity status values. The acceptable values for this parameter are:

- Disconnected

- NoTraffic

- Subnet

- LocalNetwork

- Internet

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-IPv6Connectivity <IPv6Connectivity[]>

Specifies an array of IPv6 protocol connectivity status values. The acceptable values for this parameter are:

- Disconnected

- NoTraffic

- Subnet

- LocalNetwork

- Internet

Required? false

Position? named

Default value None
Accept pipeline input? False
Accept wildcard characters? false

-InterfaceAlias <String[]>

Specifies an array of names of network adapters.

Required? false
Position? named
Default value None
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-InterfaceIndex <UInt32[]>

Specifies an array of numerical index values associated with the network adapters.

Required? false
Position? named
Default value None
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-Name <String[]>

Specifies an array of names of networks with which the connection is currently established.

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

-NetworkCategory <NetworkCategory[]>

Specifies an array of category types of a network. The acceptable values for this parameter are:

- Public - Networks in a public place such as an airport or coffee shop. Your PC is hidden from other devices on the network and can't be used for printer and

file sharing. - Private - Networks at home or work, where you know and trust the people and devices on the network. Your PC is discoverable and can be used for

printer and file sharing if you set it up. - DomainAuthenticated - Networks at a workplace that are joined to a domain.

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, 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.

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>).

OUTPUTS

NOTES

----- Example 1: Get a connection profile -----

```
PS C:\>Get-NetConnectionProfile -InterfaceAlias "Ethernet1" | Set-NetConnectionProfile -NetworkCategory Public
```

This first part of this command gets the connection profile for the network adapter named Ethernet1. The command passes the results to the Set-NetConnectionProfile

cmdlet by using the pipe operator. The second part of the command changes the value of the network category for the connection profile.

RELATED LINKS

Online

Version:

https://learn.microsoft.com/powershell/module/netconnectionprofile/get-netconnectionprofile?view=windowsserver2022-ps&wt.mc_id=ps-gethelp

Set-NetConnectionProfile