



Windows PowerShell Get-Help on Cmdlet 'Add-VpnConnectionRoute'

PS:\>Get-HELP Add-VpnConnectionRoute -Full

NAME

Add-VpnConnectionRoute

SYNOPSIS

Adds a route to a VPN connection.

SYNTAX

```
Add-VpnConnectionRoute [-ConnectionName] <String> [-DestinationPrefix] <String> [[-RouteMetric] <UInt32>]
[[-AllUserConnection]] [-AsJob] [-CimSession <CimSession[]>]
[-Confirm] [-PassThru] [-ThrottleLimit <Int32>] [-WhatIf] [<CommonParameters>]
```

DESCRIPTION

The Add-VpnConnectionRoute cmdlet adds an IPv4 or IPv6 route to a specified VPN connection.

PARAMETERS

-AllUserConnection [<SwitchParameter>]

Indicates that the VPN connection being modified is in the global phone book.

Required? false
Position? 4
Default value False
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-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

-Confirm [<SwitchParameter>]

Prompts you for confirmation before running the cmdlet.

Required? false

Position? named
Default value False
Accept pipeline input? False
Accept wildcard characters? false

-ConnectionName <String>

Specifies the name of a VPN connection profile. To view existing VPN connection profiles, use the `Get-VpnConnection` cmdlet.

Required? true
Position? 1
Default value None
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-DestinationPrefix <String>

Specifies the destination prefix of the route to add.

Required? true
Position? 2
Default value None
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-PassThru [<SwitchParameter>]

Returns an object representing the item with which you are working. By default, this cmdlet does not generate any output. If you specify this parameter, the cmdlet returns the `MSFT_NetRoute` object.

Required? false
Position? named
Default value False
Accept pipeline input? False

Accept wildcard characters? false

-RouteMetric <UInt32>

Specifies the metric of the route being added to the VPN connection.

Required? false

Position? 3

Default value None

Accept pipeline input? True (ByPropertyName)

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

-WhatIf [<SwitchParameter>]

Shows what would happen if the cmdlet runs. The cmdlet is not run.

Required? false

Position? named

Default value False

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

INPUTS

OUTPUTS

Microsoft.Management.Infrastructure.CimInstance#ROOT/StandardCimv2/MSFT_NetRoute

NOTES

-- Example 1: Add a VPN connection route for an IPv4 address --

```
PS C:\> Add-VpnConnectionRoute -ConnectionName "Contoso" -DestinationPrefix "176.16.0.0/16" -PassThru
DestinationPrefix : 176.16.0.0/16
```

InterfaceIndex :

InterfaceAlias : Contoso

AddressFamily : IPv4

NextHop : 0.0.0.0

Publish : 0

RouteMetric : 1

PolicyStore :

This command uses the Add-VpnConnectionRoute cmdlet to add a connection route for the connection named Contoso.

The command specifies an IPv4 address for the

DestinationPrefix parameter.

----- Example 2: Add a VPN connection for an IPv6 address -----

```
PS C:\> Add-VpnConnectionRoute -ConnectionName "Contoso" -DestinationPrefix "2001:4898:7020:3020::/64"  
-RouteMetric 23 -PassThru
```

DestinationPrefix : 2001:4898:7020:3020::/64

InterfaceIndex :

InterfaceAlias : Contoso

AddressFamily : IPv6

NextHop : ::

Publish : 0

RouteMetric : 23

PolicyStore :

This command uses the Add-VpnConnectionRoute cmdlet to add a connection route for the connection named Contoso.

The command specifies an IPv6 address for the

DestinationPrefix parameter.

RELATED LINKS

https://learn.microsoft.com/powershell/module/vpnclient/add-vpnconnectionroute?view=windowsserver2022-ps&wt.mc_id=p

s-gethelp

Remove-VpnConnectionRoute