

Add-VpnConnectionRoute

<https://docs.microsoft.com/en-us/powershell/module/vpnclient/add-vpnconnectionroute?view=windowsserver2019-ps&viewFallbackFrom=win10-ps>

Syntax

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Add-VpnConnectionRoute

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

Description

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

Examples

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

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```
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

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```
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.

Parameters

-AllUserConnection

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

TABLE 1

Type:	SwitchParameter
Position:	4
Default value:	None
Accept pipeline input:	True
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.

TABLE 2

Type:	SwitchParameter
Position:	Named
Default value:	None
Accept pipeline input:	False
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.

TABLE 3

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

-Confirm

Prompts you for confirmation before running the cmdlet.

TABLE 4

Type:	SwitchParameter
Aliases:	cf

Position:	Named
Default value:	False
Accept pipeline input:	False
Accept wildcard characters:	False

-ConnectionName

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

TABLE 5

Type:	String
Aliases:	Name
Position:	1
Default value:	None
Accept pipeline input:	True
Accept wildcard characters:	False

-DestinationPrefix

Specifies the destination prefix of the route to add.

TABLE 6

Type:	String
Position:	2
Default value:	None
Accept pipeline input:	True
Accept wildcard characters:	False

-PassThru

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.

TABLE 7

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

-RouteMetric

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

TABLE 8

Type:	UInt32
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Position:	3
Default value:	None
Accept pipeline input:	True
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.

TABLE 9

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

-WhatIf

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

TABLE 10

Type:	SwitchParameter
Aliases:	wi
Position:	Named
Default value:	False
Accept pipeline input:	False
Accept wildcard characters:	False