



python



PowerShell

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PowerShell Get-Help on command 'Add-VpnConnectionRoute'

PS C:\Users\wahid> Get-Help Add-VpnConnectionRoute

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.

-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.

-Confirm [**<SwitchParameter>**]

Prompts you for confirmation before running the cmdlet.

-ConnectionName **<String>**

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

-DestinationPrefix **<String>**

Specifies the destination prefix of the route to add.

-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.

-RouteMetric **<UInt32>**

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

-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.

`-WhatIf [<SwitchParameter>]`

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

`<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: 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.

REMARKS

To see the examples, type: "get-help Add-VpnConnectionRoute -examples".

For more information, type: "get-help Add-VpnConnectionRoute -detailed".

For technical information, type: "get-help Add-VpnConnectionRoute -full".

For online help, type: "get-help Add-VpnConnectionRoute -online"