



python



PowerShell

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### ***PowerShell Get-Help on command 'Get-VpnConnection'***

***PS C:\Users\wahid> Get-Help Get-VpnConnection***

#### NAME

Get-VpnConnection

#### SYNOPSIS

Retrieves the specified VPN connection profile information.

#### SYNTAX

```
Get-VpnConnection [[-Name] <String[]>] [-AllUserConnection] [-AsJob]
[-CimSession <CimSession[]>] [-ThrottleLimit <Int32>] [<CommonParameters>]
```

#### DESCRIPTION

The Get-VpnConnection cmdlet retrieves the specified VPN connection profile and its properties. If you do not specify a profile name, the cmdlet returns a list of all VPN connections in the phone book.

#### PARAMETERS

-AllUserConnection [<SwitchParameter>]

Indicates that the VPN connection is retrieved from 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.

-Name <String[]>

Specifies an array of names of VPN connection profiles.

-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>).

----- Example 1: Get all available VPN connections -----

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

```
Name           : Test1
```

ServerAddress : 10.1.1.2  
AllUserConnection : False  
Guid : {65EA2A6D-60A5-49DA-AEDF-5542171D3794}  
TunnelType : Automatic  
AuthenticationMethod : {MsChapv2}  
EncryptionLevel : Required  
L2tpIPsecAuth : Certificate  
UseWinlogonCredential : False  
EapConfigXmlStream :  
ConnectionStatus : Disconnected  
NapState : NotConnected  
RememberCredential : False  
SplitTunneling : False  
DnsSuffix :  
IdleDisconnectSeconds : 0

Name : Test6  
ServerAddress : 10.1.1.1  
AllUserConnection : False  
Guid : {03D226D4-3EBF-4B67-9618-4E310AD3FE87}  
TunnelType : Ikev2  
AuthenticationMethod : {MachineCertificate}  
EncryptionLevel : Required  
L2tpIPsecAuth :  
UseWinlogonCredential : False  
EapConfigXmlStream :  
ConnectionStatus : Disconnected  
NapState : NotConnected  
RememberCredential : False  
SplitTunneling : False  
DnsSuffix :  
IdleDisconnectSeconds : 0

Name : Test7  
ServerAddress : Washington  
AllUserConnection : False  
Guid : {671F26F9-7C5C-44B2-8271-BD2005FCE702}  
TunnelType : Automatic  
AuthenticationMethod : {MsChapv2}  
EncryptionLevel : Required  
L2tpIPsecAuth : Certificate  
UseWinlogonCredential : False  
EapConfigXmlStream :  
ConnectionStatus : Disconnected  
NapState : NotConnected  
RememberCredential : False  
SplitTunneling : False  
DnsSuffix :  
IdleDisconnectSeconds : 0

This command returns a list of all available VPN connections in the user's local phone book.

Example 2: Get all available VPN connections from the global phonebook

```
PS C:\>Get-VpnConnection -AllUserConnection
```

Name : Test5  
ServerAddress : 10.1.1.1  
AllUserConnection : True  
Guid : {CF59A4C3-57DB-41FA-9793-D0C785756ABD}  
TunnelType : L2tp  
AuthenticationMethod : {Eap}  
EncryptionLevel : Required  
L2tpIPsecAuth : Certificate  
UseWinlogonCredential : False  
EapConfigXmlStream : #document  
ConnectionStatus : Disconnected

NapState : NotConnected

RememberCredential : True

SplitTunneling : True

DnsSuffix :

IdleDisconnectSeconds : 0

Name : Test3

ServerAddress : 10.1.1.1

AllUserConnection : True

Guid : {E37453AF-EE0B-4DD8-9AC0-30B262B0CA74}

TunnelType : L2tp

AuthenticationMethod : {Pap}

EncryptionLevel : Optional

L2tpIPsecAuth : Certificate

UseWinlogonCredential : False

EapConfigXmlStream :

ConnectionStatus : Disconnected

NapState : NotConnected

RememberCredential : False

SplitTunneling : False

DnsSuffix : washington.contoso.com

IdleDisconnectSeconds : 600

Name : Test4

ServerAddress : 10.1.1.1

AllUserConnection : True

Guid : {C5D5579E-FF9D-4F31-ABE1-B26AB38107CD}

TunnelType : L2tp

AuthenticationMethod : {Eap}

EncryptionLevel : Required

L2tpIPsecAuth : Psk

UseWinlogonCredential : False

EapConfigXmlStream : #document

ConnectionStatus : Disconnected

NapState : NotConnected

RememberCredential : True

SplitTunneling : True

DnsSuffix :

IdleDisconnectSeconds : 0

This command retrieves all the available VPN connections from the global phone book.

Example 3: Get a specific VPN connection from the global phone book

```
PS C:\>Get-VpnConnection -Name "Test3" -AllUserConnection
```

Name : Test3

ServerAddress : 10.1.1.1

AllUserConnection : True

Guid : {E37453AF-EE0B-4DD8-9AC0-30B262B0CA74}

TunnelType : L2tp

AuthenticationMethod : {Pap}

EncryptionLevel : Optional

L2tpIPsecAuth : Certificate

UseWinlogonCredential : False

EapConfigXmlStream :

ConnectionStatus : Disconnected

NapState : NotConnected

RememberCredential : False

SplitTunneling : False

DnsSuffix : washington.contoso.com

IdleDisconnectSeconds : 600

This command retrieves the VPN connection named Test3 from the global phone book.

----- Example 4: Get multiple VPN connections -----

```
PS C:\>Get-VpnConnection -Name "Test3", "Test4", "test5" -AllUserConnection
```

```
Name           : Test3
ServerAddress   : 10.1.1.1
AllUserConnection : True
Guid           : {E37453AF-EE0B-4DD8-9AC0-30B262B0CA74}
TunnelType     : L2tp
AuthenticationMethod : {Pap}
EncryptionLevel : Optional
L2tpIPsecAuth  : Certificate
UseWinlogonCredential : False
EapConfigXmlStream :
ConnectionStatus : Disconnected
NapState       : NotConnected
RememberCredential : False
SplitTunneling : False
DnsSuffix      : washington.contoso.com
IdleDisconnectSeconds : 600
```

```
Name           : Test4
ServerAddress   : 10.1.1.1
AllUserConnection : True
Guid           : {C5D5579E-FF9D-4F31-ABE1-B26AB38107CD}
TunnelType     : L2tp
AuthenticationMethod : {Eap}
EncryptionLevel : Required
L2tpIPsecAuth  : Psk
UseWinlogonCredential : False
EapConfigXmlStream : #document
ConnectionStatus : Disconnected
NapState       : NotConnected
RememberCredential : True
SplitTunneling : True
DnsSuffix      :
```

IdleDisconnectSeconds : 0

Name : test5

ServerAddress : 10.1.1.1

AllUserConnection : True

Guid : {CF59A4C3-57DB-41FA-9793-D0C785756ABD}

TunnelType : L2tp

AuthenticationMethod : {Eap}

EncryptionLevel : Required

L2tpIPsecAuth : Certificate

UseWinlogonCredential : False

EapConfigXmlStream : #document

ConnectionStatus : Disconnected

NapState : NotConnected

RememberCredential : True

SplitTunneling : True

DnsSuffix :

IdleDisconnectSeconds : 0

This command retrieves multiple specified VPN connections from the global phone book.

#### REMARKS

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

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

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

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