



Windows PowerShell Get-Help on Cmdlet 'New-AzVpnSiteLinkConnection'

PS: \>Get-HELP New-AzVpnSiteLinkConnection -Full

WARNING: The names of some imported commands from the module 'Microsoft.Azure.PowerShell.Cmdlets.Network' include unapproved verbs that might make them less discoverable.

To find the commands with unapproved verbs, run the Import-Module command again with the Verbose parameter. For a list of approved verbs, type Get-Verb.

NAME

New-AzVpnSiteLinkConnection

SYNOPSIS

Creates an Azure VpnSiteLinkConnection object.

SYNTAX

```
New-AzVpnSiteLinkConnection [-ConnectionBandwidth <System.UInt32>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-EgressNatRule
<Microsoft.Azure.Commands.Network.Models.PSResourceId[]>]
[-EnableBgp] [-IngressNatRule <Microsoft.Azure.Commands.Network.Models.PSResourceId[]>] [-IpSecPolicy
<Microsoft.Azure.Commands.Network.Models.PSIpsecPolicy>] -Name
<System.String> [-RoutingWeight <System.UInt32>] [-SharedKey <System.Security.SecureString>]
[-UseLocalAzureIpAddress] [-UsePolicyBasedTrafficSelectors]
[-VpnConnectionProtocolType {IKEv1 | IKEv2}] [-VpnGatewayCustomIpAddress
```

<Microsoft.Azure.Commands.Network.Models.PSGatewayCustomBgpIpConfiguration[]>
[-VpnLinkConnectionMode <System.String>] -VpnSiteLink
<Microsoft.Azure.Commands.Network.Models.PSVpnSiteLink> [<CommonParameters>]

DESCRIPTION

Creates an Azure VpnSiteLinkConnection object.

PARAMETERS

-ConnectionBandwidth <System.UInt32>

The bandwidth that needs to be handled by this link connection in mbps.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>

The credentials, account, tenant, and subscription used for communication with Azure.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-EgressNatRule <Microsoft.Azure.Commands.Network.Models.PSResourceId[]>

The list of egress NAT rules that are associated with this link Connection.

Required? false

Position? named

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

-EnableBgp <System.Management.Automation.SwitchParameter>

Enable BGP for this link connection

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

-IngressNatRule <Microsoft.Azure.Commands.Network.Models.PSResourceId[]>

The list of ingress NAT rules that are associated with this link Connection.

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

-IpSecPolicy <Microsoft.Azure.Commands.Network.Models.PSIpsecPolicy>

IpSec Policy to be considered for this link connection.

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

-Name <System.String>

VpnSiteLinkConnection Name

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

-RoutingWeight <System.UInt32>

Routing Weight

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

-SharedKey <System.Security.SecureString>

The shared key required to set this link connection up.

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

-UseLocalAzureIpAddress <System.Management.Automation.SwitchParameter>

Use local azure ip address as source ip for this link connection.

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

-UsePolicyBasedTrafficSelectors <System.Management.Automation.SwitchParameter>

Use policy based traffic selectors for this link connection.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-VpnConnectionProtocolType <System.String>

Gateway connection protocol:IKEv1/IKEv2

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-VpnGatewayCustomBgpAddress

<Microsoft.Azure.Commands.Network.Models.PSGatewayCustomBgpIpConfiguration[]>

The GatewayCustomBgpIpAddress of Vpngateway used in this link connection.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-VpnLinkConnectionMode <System.String>

The connection mode for this link connection.

Required? false

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

-VpnSiteLink <Microsoft.Azure.Commands.Network.Models.PSVpnSiteLink>

The vpn site link object to connect to.

Required? true
Position? named
Default value None
Accept pipeline input? True (ByValue)
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>).

INPUTS

Microsoft.Azure.Commands.Network.Models.PSVpnSiteLink

Microsoft.Azure.Commands.Network.Models.PSGatewayCustomBgpIpConfiguration[]

OUTPUTS

Microsoft.Azure.Commands.Network.Models.PSVpnSiteLinkConnection

NOTES

----- Example 1 -----

```
New-AzResourceGroup -Location "West US" -Name "testRG"

$virtualWan = New-AzVirtualWan -ResourceGroupName testRG -Name myVirtualWAN -Location "West US"

$virtualHub = New-AzVirtualHub -VirtualWan $virtualWan -ResourceGroupName "testRG" -Name "westushub"
-AddressPrefix "10.0.0.1/24"

New-AzVpnGateway -ResourceGroupName "testRG" -Name "testvpngw" -VirtualHubId $virtualHub.Id
-VpnGatewayScaleUnit 2

$vpnGateway = Get-AzVpnGateway -ResourceGroupName "testRG" -Name "testvpngw"

$vpnSiteAddressSpaces = New-Object string[] 2
$vpnSiteAddressSpaces[0] = "192.168.2.0/24"
$vpnSiteAddressSpaces[1] = "192.168.3.0/24"

$vpnSiteLink = New-AzVpnSiteLink -Name "testVpnSiteLink1" -IpAddress "15.25.35.45" -LinkProviderName
"SomeTelecomProvider" -LinkSpeedInMbps "10"

$vpnSite = New-AzVpnSite -ResourceGroupName "testRG" -Name "testVpnSite" -Location "West US" -VirtualWan
$virtualWan -AddressSpace $vpnSiteAddressSpaces -DeviceModel
"SomeDevice" -DeviceVendor "SomeDeviceVendor" -VpnSiteLink @($vpnSiteLink)

$vpnSiteLinkConnection = New-AzVpnSiteLinkConnection -Name "testLinkConnection1" -VpnSiteLink
$vpnSite.VpnSiteLinks[0] -ConnectionBandwidth 100

New-AzVpnConnection -ResourceGroupName $vpnGateway.ResourceGroupName -ParentResourceName
$vpnGateway.Name -Name "testConnection" -VpnSite $vpnSite
-VpnSiteLinkConnection @($vpnSiteLinkConnection)
```

The above will create a resource group, Virtual WAN, Virtual Network, Virtual Hub and a VpnSite with 1 VpnSiteLinks in West US in "testRG" resource group in Azure. A

VPN gateway will be created thereafter in the Virtual Hub. Once the gateway has been created, it is connected to the VpnSite using the New-AzVpnConnection command

with 1 VpnSiteLinkConnections to the VpnSiteLink of the VpnSite.

----- Example 2 VpnGatewayCustomBgpAddress -----

```
$vpnSite = Get-AzVpnSite -ResourceGroupName PS_testing -Name testsite

$vpnGateway = Get-AzVpnGateway -ResourceGroupName PS_testing -Name
196ddf92afae40e4b20edc32dfb48a63-eastus-gw

$address = New-AzGatewayCustomBgpIpConfigurationObject -IpConfigurationId "Instance0" -CustomBgpIpAddress
"169.254.22.1"

$address2 = New-AzGatewayCustomBgpIpConfigurationObject -IpConfigurationId "Instance1" -CustomBgpIpAddress
"169.254.22.3"

$vpnSiteLinkConnection = New-AzVpnSiteLinkConnection -Name "testLinkConnection1" -VpnSiteLink
$vpnSite.VpnSiteLinks[0] -ConnectionBandwidth 100
-VpnGatewayCustomBgpAddress $address,$address2 -EnableBgp

New-AzVpnConnection -ResourceGroupName $vpnGateway.ResourceGroupName -ParentResourceName
$vpnGateway.Name -Name "testConnection" -VpnSite $vpnSite
-VpnSiteLinkConnection @($vpnSiteLinkConnection)
```

The above will create AzGatewayCustomBgpIpConfigurationObject 1 VpnSiteLinks with VpnConnection in "PS_testing" resource group in Azure. Once connection is created,

it is connected to the VpnSite using the New-AzVpnConnection command with 1 VpnSiteLinkConnections to the VpnSiteLink of the VpnSite. This connection will use

provided GatewayCustomBgpIpAddress for Bgp connection at VpnGateway side.

RELATED LINKS

Online Version: <https://learn.microsoft.com/powershell/module/az.network/new-azvpnsitelinkconnection>

New-AzVpnConnection