



Windows PowerShell Get-Help on Cmdlet 'Get-AzVirtualHubBgpConnection'

PS:\>Get-HELP Get-AzVirtualHubBgpConnection -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

Get-AzVirtualHubBgpConnection

SYNOPSIS

The Get-AzVirtualHubBgpConnection cmdlet gets a Virtual WAN Hub BGP Connection in a Virtual WAN Hub or lists all Virtual WAN Hub BGP Connections in a Virtual WAN Hub.

SYNTAX

```
Get-AzVirtualHubBgpConnection [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Name
<System.String>]
-ResourceGroupName <System.String> -VirtualHubName <System.String> [<CommonParameters>]
```

```
Get-AzVirtualHubBgpConnection [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Name
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```

<System.String>]

-VirtualHub <Microsoft.Azure.Commands.Network.Models.PSVirtualHub> [<CommonParameters>]

Get-AzVirtualHubBgpConnection

[-DefaultProfile

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]

-ResourceId

<System.String>

[<CommonParameters>]

DESCRIPTION

The Get-AzVirtualHubBgpConnection cmdlet gets a Virtual WAN Hub BGP Connection in a Virtual WAN Hub or lists all Virtual WAN Hub BGP Connections in a Virtual WAN Hub.

PARAMETERS

-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

-Name <System.String>

The resource name.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? true

-ResourceGroupName <System.String>

The resource group name.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ResourceId <System.String>

The resource id.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-VirtualHub <Microsoft.Azure.Commands.Network.Models.PSVirtualHub>

The virtual hub resource.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-VirtualHubName <System.String>

The virtual hub name.

Required? true

Position? named

Default value None

Accept pipeline input? False
Accept wildcard characters? true

<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.PSVirtualHub

System.String

OUTPUTS

Microsoft.Azure.Commands.Network.Models.PSBgpConnection

NOTES

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

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

\$frontendSubnet = New-AzVirtualNetworkSubnetConfig -Name frontendSubnet -AddressPrefix "192.168.1.0/24"

\$backendSubnet = New-AzVirtualNetworkSubnetConfig -Name backendSubnet -AddressPrefix "192.168.2.0/24"

\$remoteVirtualNetwork = New-AzVirtualNetwork -Name "testVirtualNetwork" -ResourceGroupName "testRG" -Location "West US"

"West US" -AddressPrefix "192.168.0.0/16" -Subnet

\$frontendSubnet,\$backendSubnet

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

New-AzVirtualHub -VirtualWan \$virtualWan -ResourceGroupName "testRG" -Name "testHub" -AddressPrefix
"10.0.1.0/24"

\$hubVnetConnection = New-AzVirtualHubVnetConnection -ResourceGroupName "testRG" -VirtualHubName "testHub"
-Name "testVnetConnection" -RemoteVirtualNetwork

\$remoteVirtualNetwork

New-AzVirtualHubBgpConnection -ResourceGroupName "testRG" -VirtualHubName "testHub" -PeerIp 192.168.1.5
-PeerAsn 20000 -Name "testBgpConnection"
-VirtualHubVnetConnection \$hubVnetConnection

Get-AzVirtualHubBgpConnection -ResourceGroupName "testRG" -VirtualHubName "testHub" -Name
"testBgpConnection"

Name : testBgpConnection

Id :

/subscriptions/{subscriptionId}/resourceGroups/testRG/providers/Microsoft.Network/virtualHubs/testHub/bgpConnections/testBgpConnection

HubVirtualNetworkConnection :

/subscriptions/{subscriptionId}/resourceGroups/testRG/providers/Microsoft.Network/virtualHubs/testHub/hubVirtualNetworkConnections/testVnetConnection

PeerAsn : 20000

PeerIp : 192.168.1.5

The above will create a resource group, Virtual WAN, Virtual Network, Virtual WAN Hub in West US and connect the Virtual Network to the Virtual WAN Hub in that

resource group in Azure. A Virtual WAN Hub BGP Connection will be created thereafter which will peer the Virtual WAN Hub with the network appliance deployed in the Virtual Network.

After the Virtual WAN Hub BGP Connection is created, it gets the BGP Connection using its resource group name, the

Virtual WAN Hub name and the BGP Connection name.

----- Example 2 -----

```
Get-AzVirtualHubBgpConnection -ResourceGroupName "testRG" -VirtualHubName "testHub" -Name test*
```

Name : testBgpConnection1

Id :

/subscriptions/{subscriptionId}/resourceGroups/testRG/providers/Microsoft.Network/virtualHubs/testHub/bgpConnections/testBgpConnection1

HubVirtualNetworkConnection :

/subscriptions/{subscriptionId}/resourceGroups/testRG/providers/Microsoft.Network/virtualHubs/testHub/hubVirtualNetworkConnections/testVnetConnection

PeerAsn : 20000

PeerIp : 192.168.1.5

Name : testBgpConnection2

Id :

/subscriptions/{subscriptionId}/resourceGroups/testRG/providers/Microsoft.Network/virtualHubs/testHub/bgpConnections/testBgpConnection2

HubVirtualNetworkConnection :

/subscriptions/{subscriptionId}/resourceGroups/testRG/providers/Microsoft.Network/virtualHubs/testHub/hubVirtualNetworkConnections/testVnetConnection

PeerAsn : 20000

PeerIp : 192.168.1.6

This cmdlet lists all the Virtual WAN Hub BGP Connections starting with "test" using its resource group name and the Virtual WAN Hub name.

RELATED LINKS

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

New-AzVirtualHubBgpConnection

Remove-AzVirtualHubBgpConnection

Update-AzVirtualHubBgpConnection