



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

PS:\>Get-HELP New-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

New-AzVirtualHubBgpConnection

SYNOPSIS

The New-AzVirtualHubBgpConnection cmdlet creates a HubBgpConnection resource that peers the Azure Virtual WAN Hub Router with a BGP-enabled peer in a virtual network connected to the Virtual WAN Hub.

SYNTAX

```

New-AzVirtualHubBgpConnection [-AsJob] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -Name
<System.String> -PeerAsn <System.UInt32> -PeerIp <System.String> -ResourceGroupName <System.String>
-VirtualHubName <System.String> -VirtualHubVnetConnection
<Microsoft.Azure.Commands.Network.Models.PSHubVirtualNetworkConnection> [-Confirm] [-WhatIf]
[<CommonParameters>]

```

```

New-AzVirtualHubBgpConnection [-AsJob] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -Name
<System.String> -PeerAsn <System.UInt32> -PeerIp <System.String> -ResourceGroupName <System.String>
-VirtualHubName <System.String> -VirtualHubVnetConnectionId
<System.String> [-Confirm] [-WhatIf] [<CommonParameters>]

```

```

New-AzVirtualHubBgpConnection [-AsJob] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -Name
<System.String> -PeerAsn <System.UInt32> -PeerIp <System.String> -VirtualHub
<Microsoft.Azure.Commands.Network.Models.PSVirtualHub> -VirtualHubVnetConnection
<Microsoft.Azure.Commands.Network.Models.PSHubVirtualNetworkConnection> [-Confirm] [-WhatIf]
[<CommonParameters>]

```

```

New-AzVirtualHubBgpConnection [-AsJob] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -Name
<System.String> -PeerAsn <System.UInt32> -PeerIp <System.String> -VirtualHub
<Microsoft.Azure.Commands.Network.Models.PSVirtualHub> -VirtualHubVnetConnectionId
<System.String> [-Confirm] [-WhatIf] [<CommonParameters>]

```

```

New-AzVirtualHubBgpConnection [-AsJob] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -Name
<System.String> -PeerAsn <System.UInt32> -PeerIp <System.String> -VirtualHubId <System.String>
-VirtualHubVnetConnection
<Microsoft.Azure.Commands.Network.Models.PSHubVirtualNetworkConnection> [-Confirm] [-WhatIf]
[<CommonParameters>]

```

```

New-AzVirtualHubBgpConnection [-AsJob] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -Name
<System.String> -PeerAsn <System.UInt32> -PeerIp <System.String> -VirtualHubId <System.String>
-VirtualHubVnetConnectionId <System.String> [-Confirm] [-WhatIf]
[<CommonParameters>]

```

DESCRIPTION

The `New-AzVirtualHubBgpConnection` cmdlet creates a `HubBgpConnection` resource that peers Azure Virtual WAN Hub Router with a BGP-enabled peer in virtual network connected to the Virtual WAN Hub.

PARAMETERS

`-AsJob <System.Management.Automation.SwitchParameter>`

Run cmdlet in the background

Required? false

Position? named

Default value False

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

`-Name <System.String>`

The resource name.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-PeerAsn <System.UInt32>

The peer ASN.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-PeerIp <System.String>

The peer IP.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ResourceGroupName <System.String>

The resource group name.

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

-VirtualHubId <System.String>

The virtual hub resource id.

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

-VirtualHubVnetConnection <Microsoft.Azure.Commands.Network.Models.PSHubVirtualNetworkConnection>

The VirtualHubVnetConnection resource.

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

-VirtualHubVnetConnectionId <System.String>

The VirtualHubVnetConnection resource id.

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

-Confirm <System.Management.Automation.SwitchParameter>

Prompts you for confirmation before running the cmdlet.

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

-WhatIf <System.Management.Automation.SwitchParameter>

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

Required?	false
Position?	named
Default value	False
Accept pipeline input?	False
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>).

Microsoft.Azure.Commands.Network.Models.PSVirtualHub

Microsoft.Azure.Commands.Network.Models.PSHubVirtualNetworkConnection

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" -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
```

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.

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

```
$hubVnetConnection = Get-AzVirtualHubVnetConnection -ResourceGroupName "testRG" -VirtualHubName "testHub"  
-Name "testVnetConnection"
```

```
Get-AzVirtualHub -ResourceGroupName "testRG" -Name "testHub" | New-AzVirtualHubBgpConnection -PeerIp  
192.168.1.5 -PeerAsn 20000 -Name "testBgpConnection"
```

```
-VirtualHubVnetConnection $hubVnetConnection
```

Name : testBgpConnection

Id : Page 8/9 :

/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 Virtual WAN Hub BGP Connection for existing Virtual WAN Hub and Virtual WAN Hub Vnet Connection using powershell piping on the output from

Get-AzVirtualHub.

RELATED LINKS

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

Get-AzVirtualHubBgpConnection

Remove-AzVirtualHubBgpConnection

Update-AzVirtualHubBgpConnection