



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

PS:\>Get-HELP New-AzVirtualHubVnetConnection -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-AzVirtualHubVnetConnection

SYNOPSIS

The New-AzVirtualHubVnetConnection cmdlet creates a HubVirtualNetworkConnection resource that peers a Virtual Network to the Azure Virtual Hub.

SYNTAX

```

New-AzVirtualHubVnetConnection [-AsJob] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-EnableInternetSecurity] [-EnableInternetSecurityFlag <System.Nullable`1[System.Boolean]>] -Name <System.String>
-ParentObject
<Microsoft.Azure.Commands.Network.Models.PSVirtualHub> -RemoteVirtualNetwork
<Microsoft.Azure.Commands.Network.Models.PSVirtualNetwork> [-RoutingConfiguration
<Microsoft.Azure.Commands.Network.Models.PSRoutingConfiguration>] [-Confirm] [-WhatIf] [<CommonParameters>]

```

```

New-AzVirtualHubVnetConnection [-AsJob] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-EnableInternetSecurity] [-EnableInternetSecurityFlag <System.Nullable`1[System.Boolean]>] -Name <System.String>
-ParentObject
<Microsoft.Azure.Commands.Network.Models.PSVirtualHub> -RemoteVirtualNetworkId <System.String>
[-RoutingConfiguration
<Microsoft.Azure.Commands.Network.Models.PSRoutingConfiguration>] [-Confirm] [-WhatIf] [<CommonParameters>]

```

```

New-AzVirtualHubVnetConnection [-AsJob] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-EnableInternetSecurity] [-EnableInternetSecurityFlag <System.Nullable`1[System.Boolean]>] -Name <System.String>
-ParentResourceId <System.String>
-RemoteVirtualNetwork <Microsoft.Azure.Commands.Network.Models.PSVirtualNetwork> [-RoutingConfiguration
<Microsoft.Azure.Commands.Network.Models.PSRoutingConfiguration>] [-Confirm] [-WhatIf] [<CommonParameters>]

```

```

New-AzVirtualHubVnetConnection [-AsJob] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-EnableInternetSecurity] [-EnableInternetSecurityFlag <System.Nullable`1[System.Boolean]>] -Name <System.String>
-ParentResourceId <System.String>
-RemoteVirtualNetworkId <System.String> [-RoutingConfiguration
<Microsoft.Azure.Commands.Network.Models.PSRoutingConfiguration>] [-Confirm] [-WhatIf]
[<CommonParameters>]

```

```

New-AzVirtualHubVnetConnection [-AsJob] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-EnableInternetSecurity] [-EnableInternetSecurityFlag <System.Nullable`1[System.Boolean]>] -Name <System.String>
-ParentResourceName <System.String>
-RemoteVirtualNetwork <Microsoft.Azure.Commands.Network.Models.PSVirtualNetwork> -ResourceGroupName
<System.String> [-RoutingConfiguration
<Microsoft.Azure.Commands.Network.Models.PSRoutingConfiguration>] [-Confirm] [-WhatIf] [<CommonParameters>]

```

```

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
    [-EnableInternetSecurity] [-EnableInternetSecurityFlag <System.Nullable`1[System.Boolean]>] -Name <System.String>
-ParentResourceName <System.String>
    -RemoteVirtualNetworkId <System.String> -ResourceGroupName <System.String> [-RoutingConfiguration
<Microsoft.Azure.Commands.Network.Models.PSRoutingConfiguration>]
    [-Confirm] [-WhatIf] [<CommonParameters>]

```

DESCRIPTION

The New-AzVirtualHubVnetConnection cmdlet creates a HubVirtualNetworkConnection resource that peers a Virtual Network to the Azure Virtual 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

-EnableInternetSecurity <System.Management.Automation.SwitchParameter>

Enable internet security for this connection

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-EnableInternetSecurityFlag <System.Nullable`1[System.Boolean]>

Enable internet security for this connection

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

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

The parent resource.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-ParentResourceId <System.String>

The parent resource.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-ParentResourceName <System.String>

The resource group name.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-RemoteVirtualNetwork <Microsoft.Azure.Commands.Network.Models.PSVirtualNetwork>

The remote virtual network to which this hub virtual network connection is connected.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-RemoteVirtualNetworkId <System.String>

The remote virtual network to which this hub virtual network connection is connected.

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

-RoutingConfiguration <Microsoft.Azure.Commands.Network.Models.PSRoutingConfiguration>

Routing configuration for this connection

Required? false
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>).

INPUTS

Microsoft.Azure.Commands.Network.Models.PSVirtualHub

System.String

OUTPUTS

Microsoft.Azure.Commands.Network.Models.PSHubVirtualNetworkConnection

NOTES

```

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

$frontendSubnet = New-AzVirtualNetworkSubnetConfig -Name frontendSubnet -AddressPrefix "10.0.1.0/24"

$backendSubnet = New-AzVirtualNetworkSubnetConfig -Name backendSubnet -AddressPrefix "10.0.2.0/24"

$remoteVirtualNetwork = New-AzVirtualNetwork -Name "MyVirtualNetwork" -ResourceGroupName "testRG" -Location
"West US" -AddressPrefix "10.0.0.0/16" -Subnet
$frontendSubnet,$backendSubnet

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

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

New-AzVirtualHubVnetConnection -ResourceGroupName "testRG" -VirtualHubName "westushub" -Name
"testvnetconnection" -RemoteVirtualNetwork $remoteVirtualNetwork

Name      : testvnetconnection
Id        :

/subscriptions/{subscriptionId}/resourceGroups/testRG/providers/Microsoft.Network/virtualHubs/westushub/hubVirtualNetwo
rkConnections/testvnetconnection

RemoteVirtualNetwork :

/subscriptions/{subscriptionId}/resourceGroups/testRG/providers/Microsoft.Network/virtualNetworks/MyVirtualNetwork
EnableInternetSecurity : False
ProvisioningState      : Succeeded
RoutingConfiguration : {
    "AssociatedRouteTable": {
        "Id":

/subscriptions/{subscriptionId}/resourceGroups/testRG/providers/Microsoft.Network/virtualHubs/westushub/hubRouteTable
s/defaultRouteTable"
    },
    "PropagatedRouteTables": {
        "Labels": [],
        "Ids": [
            {

```


"Id":

```
"/subscriptions/{subscriptionId}/resourceGroups/testRG/providers/Microsoft.Network/virtualHubs/westushub/hubRouteTables/defaultRouteTable"
```

```
    }  
  ]  
},  
"VnetRoutes": {  
  "StaticRoutes": []  
}  
}
```

The above will create a resource group, Virtual WAN, Virtual Network, Virtual Hub in Central US in that resource group in Azure. A Virtual Network Connection will be created thereafter which will peer the Virtual Network to the Virtual Hub.

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

```
New-AzVirtualHubVnetConnection -EnableInternetSecurity -Name 'testvnetconnection' -ParentResourceName  
'westushub' -RemoteVirtualNetwork <PSVirtualNetwork>  
-ResourceGroupName 'testRG'
```

----- Example 3 -----

```
$rgName = "testRg"  
$virtualHubName = "testHub"  
$frontendSubnet = New-AzVirtualNetworkSubnetConfig -Name frontendSubnet -AddressPrefix "10.0.1.0/24"  
$backendSubnet = New-AzVirtualNetworkSubnetConfig -Name backendSubnet -AddressPrefix "10.0.2.0/24"  
$remoteVirtualNetwork = New-AzVirtualNetwork -Name "MyVirtualNetwork" -ResourceGroupName $rgName -Location
```

"West US" -AddressPrefix "10.0.0.0/16" -Subnet

\$frontendSubnet,\$backendSubnet

\$rt1 = Get-AzVHubRouteTable -ResourceGroupName \$rgName -VirtualHubName \$virtualHubName -Name
"defaultRouteTable"

\$rt2 = Get-AzVHubRouteTable -ResourceGroupName \$rgName -VirtualHubName \$virtualHubName -Name
"noneRouteTable"

\$route1 = New-AzStaticRoute -Name "route1" -AddressPrefix @("10.20.0.0/16", "10.30.0.0/16")-NextHopIpAddress
"10.90.0.5"

\$routingconfig = New-AzRoutingConfiguration -AssociatedRouteTable \$rt1.Id -Label @("testLabel") -Id @(\$rt2.Id)
-StaticRoute @(\$route1)

AssociatedRouteTable :

"/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/testRg/providers/Microsoft.Network/virtualHubs/
testHub/hubRouteTables/defaultRouteTable"

PropagatedRouteTables : {

"Labels": [

"testLabel"

],

"Ids": [

{

"Id":

"/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/testRg/providers/Microsoft.Network/virtualHubs/
testHub/hubRouteTables/noneRouteTable"

}

]

}

VnetRoutes : {

"StaticRoutes": [

{

"Name": "route1",

"AddressPrefixes": [

```

        "10.20.0.0/16",
        "10.30.0.0/16"
    ],
    "NextHopIpAddress": "10.90.0.5"
}
]
}

```

```

New-AzVirtualHubVnetConnection -ResourceGroupName $rgName -VirtualHubName $virtualHubName -Name
"testvnetconnection" -RemoteVirtualNetwork $remoteVirtualNetwork
-RoutingConfiguration $routingconfig

```

The above will create a new routing configuration and create static routes in the routing config with the next hop as a specified IP address. This routing

configuration can then be passed into the `New-AzVirtualHubVnetConnection` command as the parameter `-RoutingConfiguration`.

RELATED LINKS

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

`Get-AzVirtualHubVnetConnection`

`Remove-AzVirtualHubVnetConnection`

`New-AzRoutingConfiguration`