



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

PS:\>Get-HELP Get-AzVpnConnection -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-AzVpnConnection

SYNOPSIS

Gets a vpn connection by name or lists all vpn connections connected to a VpnGateway.

>[!NOTE] > This Powershell command is for customers using Virtual WAN Site-to-site VPN Gateway only.

SYNTAX

```
Get-AzVpnConnection [-DefaultProfile  
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Name  
<System.String>] -ParentObject  
<Microsoft.Azure.Commands.Network.Models.PSVpnGateway> [<CommonParameters>]
```

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Name
<System.String>]
-ParentResourceId <System.String> [<CommonParameters>]

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

DESCRIPTION

Gets a vpn connection by name or lists all vpn connections connected to a VpnGateway.

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

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

The parent VpnGateway for this connection.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-ParentResourceId <System.String>

The resource id of the parent VpnGateway for this connection.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-ParentResourceName <System.String>

The parent resource name.

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

<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.PSVpnGateway

System.String

OUTPUTS

Microsoft.Azure.Commands.Network.Models.PSVpnConnection

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"

$vpnSite = New-AzVpnSite -ResourceGroupName "testRG" -Name "testVpnSite" -Location "West US" -VirtualWan
$virtualWan -IpAddress "1.2.3.4" -AddressSpace
$vpnSiteAddressSpaces -DeviceModel "SomeDevice" -DeviceVendor "SomeDeviceVendor" -LinkSpeedInMbps "10"

New-AzVpnConnection -ResourceGroupName $vpnGateway.ResourceGroupName -ParentResourceName
$vpnGateway.Name -Name "testConnection" -VpnSite $vpnSite

Get-AzVpnConnection -ResourceGroupName $vpnGateway.ResourceGroupName -ParentResourceName
$vpnGateway.Name -Name "testConnection"

RemoteVpnSite      : Microsoft.Azure.Commands.Network.Models.PSResourceId
SharedKey           :
VpnConnectionProtocolType : IKEv2
ConnectionStatus    :
EgressBytesTransferred : 0
IngressBytesTransferred : 0
IpsecPolicies       : {}
ConnectionBandwidth  : 20
EnableBgp            : False
ProvisioningState    : testConnection
Name                 : ps9709
Etag                 : W/"xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxxx"

Id                                                           :
/subscriptions/{subscriptionId}/resourceGroups/testRg/providers/Microsoft.Network/vpnGateways/testvpngw/vpnConnection
s/testConnection

RoutingConfiguration : {

```

```

    "AssociatedRouteTable": {
      "Id":

"/subscriptions/{subscriptionId}/resourceGroups/testRg/providers/Microsoft.Network/virtualHubs/westushub/hubRouteTables
/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 and a VpnSite in West US in "testRG" resource group in Azure. A VPN gateway will be created thereafter in the Virtual Hub with 2 scale units.

Once the gateway has been created, it is connected to the VpnSite using the New-AzVpnConnection command.

Then it gets the connection using the connection name.

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

Get-AzVpnConnection -ResourceGroupName ps9361 -ParentResourceName testvpngw -Name test*

RemoteVpnSite : Microsoft.Azure.Commands.Network.Models.PSResourceId

SharedKey :

VpnConnectionProtocolType : IKEv2

ConnectionStatus :

EgressBytesTransferred : 0

IngressBytesTransferred : 0

IpsecPolicies : {}

ConnectionBandwidth : 20

EnableBgp : False

ProvisioningState : testConnection

Name : ps9709

Etag : W/"xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx"

Id :

/subscriptions/{subscriptionId}/resourceGroups/testRg/providers/Microsoft.Network/vpnGateways/testvpngw/vpnConnections/testConnection1

RoutingConfiguration : {

"AssociatedRouteTable": {

"Id":

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

}

"PropagatedRouteTables": {

"Labels": [],

"Ids": [

{

"Id":

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

}

```

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

```

RemoteVpnSite : Microsoft.Azure.Commands.Network.Models.PSResourceId

SharedKey :

VpnConnectionProtocolType : IKEv2

ConnectionStatus :

EgressBytesTransferred : 0

IngressBytesTransferred : 0

IpsecPolicies : {}

ConnectionBandwidth : 20

EnableBgp : False

ProvisioningState : testConnection

Name : ps9709

Etag : W/"xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx"

Id :

/subscriptions/{subscriptionId}/resourceGroups/testRg/providers/Microsoft.Network/vpnGateways/testvpngw/vpnConnections/testConnection2

RoutingConfiguration : {

"AssociatedRouteTable": {

"Id":

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

}

"PropagatedRouteTables": {

"Labels": [],

"Ids": [

{

"Id":

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

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

This cmdlet gets all connections that start with "test".

RELATED LINKS

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

New-AzVpnConnection

Remove-AzVpnConnection

Update-AzVpnConnection