



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

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

SYNOPSIS

Creates a Scalable VPN Gateway.

SYNTAX

```

New-AzVpnGateway [-AsJob] [-Asn <System.UInt32>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-EnableBgpRouteTranslationForNat] [-EnableRoutingPreferenceInternetFlag] -Name <System.String>
-ResourceGroupName <System.String> [-Tag
<System.Collections.Hashtable>] -VirtualHub <Microsoft.Azure.Commands.Network.Models.PSVirtualHub>
[-VpnConnection
<Microsoft.Azure.Commands.Network.Models.PSVpnConnection[]>] [-VpnGatewayNatRule
<Microsoft.Azure.Commands.Network.Models.PSVpnGatewayNatRule[]>] -VpnGatewayScaleUnit

```

```

<System.UInt32> [-Confirm] [-WhatIf] [<CommonParameters>]

New-AzVpnGateway [-AsJob] [-Asn <System.UInt32>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-EnableBgpRouteTranslationForNat] [-EnableRoutingPreferenceInternetFlag] -Name <System.String>
-ResourceGroupName <System.String> [-Tag
<System.Collections.Hashtable>] -VirtualHubId <System.String> [-VpnConnection
<Microsoft.Azure.Commands.Network.Models.PSVpnConnection[]>] [-VpnGatewayNatRule
<Microsoft.Azure.Commands.Network.Models.PSVpnGatewayNatRule[]>] -VpnGatewayScaleUnit <System.UInt32>
[-Confirm] [-WhatIf] [<CommonParameters>]

```

```

New-AzVpnGateway [-AsJob] [-Asn <System.UInt32>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-EnableBgpRouteTranslationForNat] [-EnableRoutingPreferenceInternetFlag] -Name <System.String>
-ResourceGroupName <System.String> [-Tag
<System.Collections.Hashtable>] -VirtualHubName <System.String> [-VpnConnection
<Microsoft.Azure.Commands.Network.Models.PSVpnConnection[]>] [-VpnGatewayNatRule
<Microsoft.Azure.Commands.Network.Models.PSVpnGatewayNatRule[]>] -VpnGatewayScaleUnit <System.UInt32>
[-Confirm] [-WhatIf] [<CommonParameters>]

```

DESCRIPTION

New-AzVpnGateway creates a scalable VPN Gateway. This is software defined connectivity for site to site connections inside the VirtualHub.

This gateway resizes and scales based on the scale unit specified in this or the Set-AzVpnGateway cmdlet.

A connection is set up from a branch/Site known as VPNSite to the scalable gateway. Each connection comprises of 2 Active-Active tunnels.

The VpnGateway will be in the same location as the referenced VirtualHub.

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

-Asn <System.UInt32>

The vpn gateway's ASN for BGP over VPN

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

-EnableBgpRouteTranslationForNat <System.Management.Automation.SwitchParameter>

Flag to enable Bgp route translation for NAT on this VpnGateway.

Required? false

Position? named

Default value False
Accept pipeline input? False
Accept wildcard characters? false

-EnableRoutingPreferenceInternetFlag <System.Management.Automation.SwitchParameter>

Flag to enable Routing Preference Internet on this VpnGateway.

Required? false
Position? named
Default value False
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

-ResourceGroupName <System.String>

The resource name.

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

-Tag <System.Collections.Hashtable>

A hashtable which represents resource tags.

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

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

The VirtualHub this VpnGateway needs to be associated with.

Required? true
Position? named
Default value None
Accept pipeline input? True (ByValue)
Accept wildcard characters? false

-VirtualHubId <System.String>

The Id of the VirtualHub this VpnGateway needs to be associated with.

Required? true
Position? named
Default value None
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-VirtualHubName <System.String>

The Id of the VirtualHub this VpnGateway needs to be associated with.

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

-VpnConnection <Microsoft.Azure.Commands.Network.Models.PSVpnConnection[]>

The list of VpnConnections that this VpnGateway needs to have.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-VpnGatewayNatRule <Microsoft.Azure.Commands.Network.Models.PSVpnGatewayNatRule[]>

The list of VpnGatewayNatRules that are associated with this VpnGateway.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-VpnGatewayScaleUnit <System.UInt32>

The scale unit for this VpnGateway.

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>).

INPUTS

Microsoft.Azure.Commands.Network.Models.PSVirtualHub

System.String

OUTPUTS

Microsoft.Azure.Commands.Network.Models.PSVpnGateway

----- 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 -EnableRoutingPreferenceInternetFlag


ResourceGroupName : testRG
Name               : testvpngw
Id                :
                  :
/subscriptions/{subscriptionId}/resourceGroups/testRG/providers/Microsoft.Network/vpnGateways/testvpngw
Location          : West US
VpnGatewayScaleUnit : 2
VirtualHub        :
/subscriptions/{subscriptionId}/resourceGroups/AlpS_Test/providers/Microsoft.Network/virtualHubs/westushub
BgpSettings       : {}
Type              : Microsoft.Network/vpnGateways
ProvisioningState  : Succeeded
```

The above will create a resource group, Virtual WAN, Virtual Network, Virtual Hub in West US in "testRG" resource group in Azure. A VPN gateway will be created thereafter in the Virtual Hub with 2 scale units.

RELATED LINKS

Get-AzVpnGateway

Remove-AzVpnGateway

Update-AzVpnGateway