



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

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

SYNOPSIS

Creates a Scalable ExpressRoute Gateway.

SYNTAX

```

New-AzExpressRouteGateway [-AsJob] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-MaxScaleUnits
<System.UInt32>] -MinScaleUnits <System.UInt32> -Name <System.String> -ResourceGroupName <System.String>
[-Tag <System.Collections.Hashtable>] -VirtualHub
<Microsoft.Azure.Commands.Network.Models.PSVirtualHub> [-Confirm] [-WhatIf] [<CommonParameters>]

```

```

New-AzExpressRouteGateway [-AsJob] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-MaxScaleUnits

```

<System.UInt32>] -MinScaleUnits <System.UInt32> -Name <System.String> -ResourceGroupName <System.String>
[-Tag <System.Collections.Hashtable>] -VirtualHubId
<System.String> [-Confirm] [-WhatIf] [<CommonParameters>]

New-AzExpressRouteGateway [-AsJob] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-MaxScaleUnits
<System.UInt32>] -MinScaleUnits <System.UInt32> -Name <System.String> -ResourceGroupName <System.String>
[-Tag <System.Collections.Hashtable>] -VirtualHubName
<System.String> [-Confirm] [-WhatIf] [<CommonParameters>]

DESCRIPTION

New-AzExpressRouteGateway creates a scalable ExpressRoute Gateway. This is software defined connectivity for on premise to Azure inside the VirtualHub.

This gateway can be scaled based on the scale unit specified in this or the Set-AzExpressRouteGateway cmdlet.

A connection is set up from a on-premise ExpressRoute circuit to the scalable gateway.

The ExpressRouteGateway 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

-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

-MaxScaleUnits <System.UInt32>

The maximum number of scale units for this ExpressRouteGateway. Valid range > 2

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

-MinScaleUnits <System.UInt32>

The minimum number of scale units for this ExpressRouteGateway. Valid range > 2

Required?	true
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

-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

-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.PSExpressRouteGateway

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-AzExpressRouteGateway -ResourceGroupName "testRG" -Name "testergw" -VirtualHubId \$virtualHub.Id
-MinScaleUnits 2

ResourceGroupName : testRG

```

Name           : testergw
Id             :
/subscriptions/{subscriptionId}/resourceGroups/testRG/providers/Microsoft.Network/expressRouteGateways/testergw
Location       : West US
MinScaleUnits  : 2
VirtualHub     :
/subscriptions/{subscriptionId}/resourceGroups/testRG/providers/Microsoft.Network/virtualHubs/westushub
BgpSettings    : {}
Type           : Microsoft.Network/expressRouteGateways
ProvisioningState : Succeeded

```

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

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

```

New-AzExpressRouteGateway -MaxScaleUnits <UInt32> -MinScaleUnits 2 -Name 'testExpressRoutegw'
-ResourceGroupName 'testRG' -Tag @{"tag1"="value1"; "tag2"="value2"}
-VirtualHubName <String>

```

RELATED LINKS

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