



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

PS:\>Get-HELP Set-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

Set-AzExpressRouteGateway

SYNOPSIS

Updates a Scalable ExpressRoute Gateway.

SYNTAX

```

Set-AzExpressRouteGateway [-AsJob] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -InputObject
<Microsoft.Azure.Commands.Network.Models.PSExpressRouteGateway> [-MaxScaleUnits <System.UInt32>]
[-MinScaleUnits <System.UInt32>] [-Tag
<System.Collections.Hashtable>] [-Confirm] [-WhatIf] [<CommonParameters>]

```

```

Set-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>] [-Confirm] [-WhatIf]
[<CommonParameters>]

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

DESCRIPTION

The Set-AzExpressRouteGateway cmdlet enables you to update the scale units for an existing ExpressRouteGateway or update the resource tags.

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

-InputObject <Microsoft.Azure.Commands.Network.Models.PSExpressRouteGateway>

The ExpressRouteGateway that needs to be updated.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByValue)

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? 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

-ResourceGroupName <System.String>

The resource group name of the ExpressRouteGateway to be updated.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ResourceId <System.String>

The Id of the ExpressRouteGateway that needs to be updated.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

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

-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 \(https://go.microsoft.com/fwlink/?LinkID=113216\)](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

Set-AzExpressRouteGateway -ResourceGroupName "testRG" -Name "testergw" -MinScaleUnits 3


ResourceGroupName : testRG
Name              : testergw
Id               :
/subscriptions/{subscriptionId}/resourceGroups/testRG/providers/Microsoft.Network/expressRouteGateways/testergw
Location         : West US
MinScaleUnits    : 3
Type             : Microsoft.Network/expressRouteGateways
ProvisioningState : Succeeded
```

The above will create a resource group "testRG", a Virtual WAN and a Virtual Hub in West US in that resource group in Azure. An ExpressRoute gateway will be created thereafter in the Virtual Hub with 2 scale units which will then be modified to 3 scale units.

Example 2: Configure this gateway to accept traffic from non Virtual Wan networks.

Option 1 - Retrieve the gateway object, configure it to allow traffic from VNets and persist those changes.

```
$gateway = Get-AzExpressRouteGateway -ResourceGroupName "resourceGroup001" -Name "gateway001"
```

```
$gateway.AllowNonVirtualWanTraffic = $true
```

```
$gateway = Set-AzExpressRouteGateway -InputObject $gateway
```

Option 2 - Use the cmdlet switch

```
Set-AzExpressRouteGateway -ResourceGroupName "resourceGroup001" -Name "gateway001"
```

```
-AllowNonVirtualWanTraffic $true
```

Example 3: Configure this gateway to block traffic from non Virtual Wan networks.

Option 1 - Retrieve the gateway object, configure it to block traffic from VNets and persist those changes.

```
$gateway=Get-AzExpressRouteGateway -ResourceGroupName "resourceGroup001" -Name "gateway001"
```

```
$gateway.AllowNonVirtualWanTraffic = $false
```

```
$gateway = Set-AzExpressRouteGateway -InputObject $gateway
```

Option 2 - Use the cmdlet switch

```
Set-AzExpressRouteGateway -ResourceGroupName "resourceGroup001" -Name "gateway001"
```

```
-AllowNonVirtualWanTraffic $false
```

RELATED LINKS

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