



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

PS:\>Get-HELP Set-AzExpressRouteConnection -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-AzExpressRouteConnection

SYNOPSIS

Updates an express route connection created between an express route gateway and on-premise express route circuit peering.

SYNTAX

```
Set-AzExpressRouteConnection [-AsJob] [-AuthorizationKey <System.String>] [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-EnableInternetSecurity <System.Nullable`1[System.Boolean]>]
    -ExpressRouteGatewayName <System.String> -Name <System.String> -ResourceGroupName <System.String>
[-RoutingConfiguration
    <Microsoft.Azure.Commands.Network.Models.PSRoutingConfiguration>] [-RoutingWeight <System.UInt32>] [-Confirm]
[-WhatIf] [<CommonParameters>]
```

```
Set-AzExpressRouteConnection [-AsJob] [-AuthorizationKey <System.String>] [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-EnableInternetSecurity <System.Nullable`1[System.Boolean]>] -InputObject
    <Microsoft.Azure.Commands.Network.Models.PSExpressRouteConnection> [-RoutingConfiguration
<Microsoft.Azure.Commands.Network.Models.PSRoutingConfiguration>]
    [-RoutingWeight <System.UInt32>] [-Confirm] [-WhatIf] [<CommonParameters>]
```

```
Set-AzExpressRouteConnection [-AsJob] [-AuthorizationKey <System.String>] [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-EnableInternetSecurity <System.Nullable`1[System.Boolean]>] -ResourceId
    <System.String> [-RoutingConfiguration <Microsoft.Azure.Commands.Network.Models.PSRoutingConfiguration>]
[-RoutingWeight <System.UInt32>] [-Confirm] [-WhatIf]
    [<CommonParameters>]
```

DESCRIPTION

The Set-AzExpressRouteConnection cmdlet updates an express route connection created between an express route gateway and on-premise express route circuit peering.

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

-AuthorizationKey <System.String>

The authorization key to be used to create the ExpressRoute gateway connection.

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

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

Enable internet security for this ExpressRoute Gateway connection

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

-ExpressRouteGatewayName <System.String>

The parent resource name.

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

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

The ExpressRouteConnection object to update.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByValue)

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.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ResourceId <System.String>

The resource id of the ExpressRouteConnection object to delete.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

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

-RoutingWeight <System.UInt32>

The weight that needs to be assigned to this connection for packet routing.

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

System.String

Microsoft.Azure.Commands.Network.Models.PSExpressRouteConnection

OUTPUTS

Microsoft.Azure.Commands.Network.Models.PSExpressRouteConnection

NOTES

----- Example 1 -----

```

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

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

$virtualHub = New-AzVirtualHub -VirtualWan $virtualWan -ResourceGroupName "testRG" -Name "westushub"
-AddressPrefix "10.0.0.1/24"

New-AzExpressRouteGateway -ResourceGroupName "testRG" -Name "testExpressRoutegw" -VirtualHubId
$virtualHub.Id -MinScaleUnits 2

$ExpressRouteGateway = Get-AzExpressRouteGateway -ResourceGroupName "testRG" -Name "testExpressRoutegw"

$ExpressRouteCircuit = New-AzExpressRouteCircuit -ResourceGroupName "testRG" -Name "testExpressRouteCircuit"
-Location "West Central US" -SkuTier Premium -SkuFamily

MeteredData -ServiceProviderName "Equinix" -PeeringLocation "Silicon Valley" -BandwidthInMbps 200

Add-AzExpressRouteCircuitPeeringConfig -Name "AzurePrivatePeering" -ExpressRouteCircuit $ExpressRouteCircuit
-PeeringType AzurePrivatePeering -PeerASN 100

-PrimaryPeerAddressPrefix "123.0.0.0/30" -SecondaryPeerAddressPrefix "123.0.0.4/30" -VlanId 300

$ExpressRouteCircuit = Set-AzExpressRouteCircuit -ExpressRouteCircuit $ExpressRouteCircuit

$ExpressRouteCircuitPeeringId = $ExpressRouteCircuit.Peerings[0].Id

New-AzExpressRouteConnection -ResourceGroupName $ExpressRouteGateway.ResourceGroupName
-ExpressRouteGatewayName $ExpressRouteGateway.Name -Name "testConnection"

-ExpressRouteCircuitPeeringId $ExpressRouteCircuitPeeringId -RoutingWeight 20

Set-AzExpressRouteConnection -InputObject $ExpressRouteConnection -RoutingWeight 30

ExpressRouteCircuitPeeringId : Microsoft.Azure.Commands.Network.Models.PSResourceId
AuthorizationKey :
RoutingWeight : 30
ProvisioningState : Succeeded
Name : testConnection
Etag : W/"4580a2e2-2fab-4cff-88eb-92013a76b5a8"
Id :

/subscriptions/{subscriptionId}/resourceGroups/ps9361/providers/Microsoft.Network/ExpressRouteGateways/testExpressRo
utegw/expressRouteConnections/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 ExpressRouteSite in West US in "testRG" resource group in Azure. A

ExpressRoute gateway will be created thereafter in the Virtual Hub with 2 scale units.

Once the gateway has been created, it is connected to the on premise ExpressRoute circuit peering using the New-AzExpressRouteConnection command.

The connection is then updated to have a different RoutingWeight by using the Set-AzExpressRouteConnection command.

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

New-AzRoutingConfiguration