



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

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

SYNOPSIS

Creates an Azure express route circuit.

SYNTAX

```
New-AzExpressRouteCircuit [-AllowClassicOperations <System.Nullable`1[System.Boolean]>] [-AsJob] [-Authorization  
    <Microsoft.Azure.Commands.Network.Models.PSExpressRouteCircuitAuthorization[]>] [-AuthorizationKey  
<System.String>] -BandwidthInGbps <System.Double> [-DefaultProfile  
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -ExpressRoutePort  
    <Microsoft.Azure.Commands.Network.Models.PSExpressRoutePort> [-Force] -Location <System.String> -Name  
<System.String> [-Peering  
    <Microsoft.Azure.Commands.Network.Models.PSPeering[]>] -ResourceGroupName <System.String> [-SkuFamily  
{MeteredData | UnlimitedData}] [-SkuTier {Standard | Premium |
```

Basic | Local}} [-Tag <System.Collections.Hashtable>] [-Confirm] [-WhatIf] [<CommonParameters>]

New-AzExpressRouteCircuit [-AllowClassicOperations <System.Nullable`1[System.Boolean]>] [-AsJob] [-Authorization
 <Microsoft.Azure.Commands.Network.Models.PSExpressRouteCircuitAuthorization[]>] -BandwidthInMbps
<System.Int32> [-DefaultProfile
 <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Force] -Location
<System.String> -Name <System.String> [-Peering
 <Microsoft.Azure.Commands.Network.Models.PSPeering[]>] -PeeringLocation <System.String> -ResourceGroupName
<System.String> -ServiceProviderName <System.String>
 [-SkuFamily {MeteredData | UnlimitedData}] [-SkuTier {Standard | Premium | Basic | Local}] [-Tag
<System.Collections.Hashtable>] [-Confirm] [-WhatIf
 <CommonParameters>]

DESCRIPTION

The New-AzExpressRouteCircuit cmdlet creates an Azure express route circuit.

PARAMETERS

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

The use of this parameter allows you to use the classic Azure PowerShell cmdlets to manage the circuit.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-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

-Authorization <Microsoft.Azure.Commands.Network.Models.PSExpressRouteCircuitAuthorization[]>

A list of circuit authorizations.

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

-AuthorizationKey <System.String>

The authorization key used when the circuit is provisioned on an ExpressRoutePort resource in different subscription.

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

-BandwidthInGbps <System.Double>

The bandwidth of the circuit when the circuit is provisioned on an ExpressRoutePort resource.

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

-BandwidthInMbps <System.Int32>

The bandwidth of the circuit. This must be a value that is supported by the service provider.

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

-ExpressRoutePort <Microsoft.Azure.Commands.Network.Models.PSExpressRoutePort>

The reference to the ExpressRoutePort resource when the circuit is provisioned on an ExpressRoutePort resource.

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

-Force <System.Management.Automation.SwitchParameter>

Forces the command to run without asking for user confirmation.

Required? false
Position? named
Default value False
Accept pipeline input? False
Accept wildcard characters? false

-Location <System.String>

The location of the circuit.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Name <System.String>

The name of the ExpressRoute circuit being created.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Peering <Microsoft.Azure.Commands.Network.Models.PSPeering[]>

A list peer configurations.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-PeeringLocation <System.String>

The name of the peering location supported by the service provider.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-ResourceGroupName <System.String>

The resource group that will contain the circuit.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-ServiceProviderName <System.String>

The name of the circuit service provider. This must match a name listed by the Get-AzExpressRouteServiceProvider cmdlet.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-SkuFamily <System.String>

SKU family determines the billing type. Possible values for this parameter are: `MeteredData` or `UnlimitedData`. Note that you can change the billing type from

MeteredData to UnlimitedData, but you can't change the type from UnlimitedData to MeteredData.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-SkuTier <System.String>

The tier of service for the circuit. Possible values for this parameter are: `Standard`, `Premium` or `Local`.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Tag <System.Collections.Hashtable>

Key-value pairs in the form of a hash table. For example: @{key0="value0";key1=\$null;key2="value2"}

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

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

System.Int32

Microsoft.Azure.Commands.Network.Models.PSExpressRoutePort

System.Double

Microsoft.Azure.Commands.Network.Models.PSPeering[]

Microsoft.Azure.Commands.Network.Models.PSExpressRouteCircuitAuthorization[]

System.Nullable`1[[System.Boolean, System.Private.CoreLib, Version=4.0.0.0, Culture=neutral, PublicKeyToken=7cec85d7bea7798e]]

OUTPUTS

Microsoft.Azure.Commands.Network.Models.PSExpressRouteCircuit

NOTES

----- Example 1: Create a new ExpressRoute circuit -----

```
$parameters = @{  
    Name='ExpressRouteCircuit'  
    ResourceGroupName='ExpressRouteResourceGroup'  
    Location='West US'  
    SkuTier='Standard'  
    SkuFamily='MeteredData'  
    ServiceProviderName='Equinix'  
    PeeringLocation='Silicon Valley'  
    BandwidthInMbps=200  
}  
New-AzExpressRouteCircuit @parameters
```

Example 2: Create a new ExpressRoute circuit on ExpressRoutePort

```
$parameters = @{  
    Name='ExpressRouteCircuit'  
    ResourceGroupName='ExpressRouteResourceGroup'  
    Location='West US'  
    SkuTier='Standard'  
    SkuFamily='MeteredData'  
    ExpressRoutePort=$PSExpressRoutePort  
    BandwidthInGbps=10.0  
}  
New-AzExpressRouteCircuit @parameters
```

RELATED LINKS

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

Get-AzExpressRouteCircuit

Move-AzExpressRouteCircuit

Remove-AzExpressRouteCircuit

Set-AzExpressRouteCircuit