



Windows PowerShell Get-Help on Cmdlet 'Add-AzExpressRouteCircuitPeeringConfig'

PS:\>Get-HELP Add-AzExpressRouteCircuitPeeringConfig -Full

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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

Add-AzExpressRouteCircuitPeeringConfig

SYNOPSIS

Adds a peering configuration to an ExpressRoute circuit.

SYNTAX

```

Add-AzExpressRouteCircuitPeeringConfig [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
-ExpressRouteCircuit <Microsoft.Azure.Commands.Network.Models.PSExpressRouteCircuit> [-LegacyMode
<System.Boolean>] [-MicrosoftConfigAdvertisedPublicPrefixes
<System.String[]>] [-MicrosoftConfigCustomerAsn <System.Int32>] [-MicrosoftConfigRoutingRegistryName
<System.String>] -Name <System.String> [-PeerAddressType {IPv4 |
IPv6}] -PeerASN <System.UInt32> -PeeringType {AzurePrivatePeering | AzurePublicPeering | MicrosoftPeering}
-PrimaryPeerAddressPrefix <System.String> -RouteFilter

```

```

    <Microsoft.Azure.Commands.Network.Models.PSRouteFilter> -SecondaryPeerAddressPrefix <System.String>
[-SharedKey <System.String>] -VlanId <System.Int32>

[<CommonParameters>]

Add-AzExpressRouteCircuitPeeringConfig [-DefaultProfile

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]

-ExpressRouteCircuit <Microsoft.Azure.Commands.Network.Models.PSExpressRouteCircuit> [-LegacyMode

<System.Boolean>] [-MicrosoftConfigAdvertisedPublicPrefixes

<System.String[]>] [-MicrosoftConfigCustomerAsn <System.Int32>] [-MicrosoftConfigRoutingRegistryName

<System.String>] -Name <System.String> [-PeerAddressType {IPv4 |

IPv6}] -PeerASN <System.UInt32> -PeeringType {AzurePrivatePeering | AzurePublicPeering | MicrosoftPeering}

-PrimaryPeerAddressPrefix <System.String> -RouteFilterId

<System.String> -SecondaryPeerAddressPrefix <System.String> [-SharedKey <System.String>] -VlanId <System.Int32>

[<CommonParameters>]

```

DESCRIPTION

The `Add-AzExpressRouteCircuitPeeringConfig` cmdlet adds a peering configuration to an ExpressRoute circuit. ExpressRoute circuits connect your on-premises network to the Microsoft cloud by using a connectivity provider instead of the public Internet. Note that, after running `Add-AzExpressRouteCircuitPeeringConfig`, you must call the `Set-AzExpressRouteCircuit` cmdlet to activate the configuration.

PARAMETERS

`-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

-ExpressRouteCircuit <Microsoft.Azure.Commands.Network.Models.PSExpressRouteCircuit>

The ExpressRoute circuit being modified. This is Azure object returned by the Get-AzExpressRouteCircuit cmdlet.

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

-LegacyMode <System.Boolean>

The legacy mode of the Peering

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

-MicrosoftConfigAdvertisedPublicPrefixes <System.String[]>

For a PeeringType of MicrosoftPeering, you must provide a list of all prefixes you plan to advertise over the BGP session. Only public IP address prefixes are

accepted. You can send a comma separated list if you plan to send a set of prefixes. These prefixes must be registered to you in a Routing Registry Name (RIR / IRR).

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

-MicrosoftConfigCustomerAsn <System.Int32>

If you are advertising prefixes that are not registered to the peering AS number, you can specify the AS number to which they are registered.

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

-MicrosoftConfigRoutingRegistryName <System.String>

The Routing Registry Name (RIR / IRR) to which the AS number and prefixes are registered.

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

-Name <System.String>

The name of the peering relationship to be added.

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

-PeerAddressType <System.String>

PeerAddressType

Required?	false
Position?	named
Default value	None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-PeerASN <System.UInt32>

The AS number of your ExpressRoute circuit. This must be a Public ASN when the PeeringType is AzurePublicPeering.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-PeeringType <System.String>

The acceptable values for this parameter are: `AzurePrivatePeering`, `AzurePublicPeering`, and `MicrosoftPeering`

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-PrimaryPeerAddressPrefix <System.String>

This is the IP Address range for the primary routing path of this peering relationship. This must be a /30 CIDR subnet. The first odd-numbered address in this

subnet should be assigned to your router interface. Azure will configure the next even-numbered address to the Azure router interface.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-RouteFilter <Microsoft.Azure.Commands.Network.Models.PSRouteFilter>

This is an existing RouteFilter object.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-RouteFilterId <System.String>

This is the resource Id of an existing RouteFilter object.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-SecondaryPeerAddressPrefix <System.String>

This is the IP Address range for the secondary routing path of this peering relationship. This must be a /30 CIDR subnet. The first odd-numbered address in this

subnet should be assigned to your router interface. Azure will configure the next even-numbered address to the Azure router interface.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-SharedKey <System.String>

This is an optional MD5 hash used as a pre-shared key for the peering configuration.

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

`-VlanId <System.Int32>`

This is the Id number of the VLAN assigned for this peering.

Required?	true
Position?	named
Default value	None
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.PSExpressRouteCircuit

System.String

Microsoft.Azure.Commands.Network.Models.PSRouteFilter

System.Boolean

OUTPUTS

Microsoft.Azure.Commands.Network.Models.PSExpressRouteCircuit

NOTES

-- Example 1: Add a peer to an existing ExpressRoute circuit --

```
$circuit = Get-AzExpressRouteCircuit -Name $CircuitName -ResourceGroupName $rg
```

```
$parameters = @{
```

```
    Name = 'AzurePrivatePeering'
```

```
    Circuit = $circuit
```

```
    PeeringType = 'AzurePrivatePeering'
```

```
    PeerASN = 100
```

```
    PrimaryPeerAddressPrefix = '10.6.1.0/30'
```

```
    SecondaryPeerAddressPrefix = '10.6.2.0/30'
```

```
    VlanId = 200
```

```
}
```

```
Add-AzExpressRouteCircuitPeeringConfig @parameters
```

```
Set-AzExpressRouteCircuit -ExpressRouteCircuit $circuit
```

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


```
Add-AzExpressRouteCircuitPeeringConfig -ExpressRouteCircuit <PSExpressRouteCircuit>
-MicrosoftConfigAdvertisedPublicPrefixes <String[]> -MicrosoftConfigCustomerAsn
    <Int32> -MicrosoftConfigRoutingRegistryName <String> -Name 'AzurePrivatePeering' -PeerASN 100 -PeerAddressType
IPv4 -PeeringType AzurePrivatePeering
    -PrimaryPeerAddressPrefix '123.0.0.0/30' -SecondaryPeerAddressPrefix '123.0.0.4/30' -VlanId 300
```

RELATED LINKS

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

Get-AzExpressRouteCircuit

New-AzExpressRouteCircuitPeeringConfig

Remove-AzExpressRouteCircuitPeeringConfig

Set-AzExpressRouteCircuit