
## *Windows PowerShell Get-Help on Cmdlet 'Add-AzExpressRouteCircuitConnectionConfig'*

***PS:\>Get-HELP Add-AzExpressRouteCircuitConnectionConfig -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

Add-AzExpressRouteCircuitConnectionConfig

SYNOPSIS

Adds a circuit connection configuration to Private Peering of an Express Route Circuit.

SYNTAX

Add-AzExpressRouteCircuitConnectionConfig [-Name] <System.String> [-ExpressRouteCircuit] <Microsoft.Azure.Commands.Network.Models.PSExpressRouteCircuit>

[-PeerExpressRouteCircuitPeering] <System.String> [-AddressPrefix] <System.String> [-AddressPrefixType {IPv4 | IPv6}] [-AuthorizationKey <System.String>]

[-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Confirm] [-WhatIf] [<CommonParameters>]

DESCRIPTION

The Add-AzExpressRouteCircuitConnectionConfig cmdlet adds a circuit connection configuration to private peering for an ExpressRoute circuit. This allows peering two

Express Route Circuits across regions or subscriptions.Note that, after running Add-AzExpressRouteCircuitConnectionConfig , you must call the

Set-AzExpressRouteCircuit cmdlet to activate the configuration.

PARAMETERS

-AddressPrefix <System.String>

A minimum /29 customer address space to create VxLan tunnels between Express Route Circuits for IPv4 tunnels. or a minimum of /125 customer address space to

create VxLan tunnels between Express Route Circuits for IPv6 tunnels.

Required? true

Position? 3

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-AddressPrefixType <System.String>

This specifies the Address Family that address prefix belongs to.

Required? false

Position? named

Default value IPv4

Accept pipeline input? False

Accept wildcard characters? false

-AuthorizationKey <System.String>

Authorization Key to peer Express Route Circuit in another subscription. Authorization on peer circuit can be created using existing commands.

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

-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? 1

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-Name <System.String>

The name of the circuit connection resource to be added.

Required? true

Position? 0

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-PeerExpressRouteCircuitPeering <System.String>

Resource Id for Private Peering of remote circuit which will be peered with the current circuit.

Required? true

Position? 2

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

Microsoft.Azure.Commands.Network.Models.PSExpressRouteCircuit

System.String

OUTPUTS

Microsoft.Azure.Commands.Network.Models.PSExpressRouteCircuit

NOTES

Example 1: Add a circuit connection resource to an existing ExpressRoute circuit

```
$circuit_init = Get-AzExpressRouteCircuit -Name $initiatingCircuitName -ResourceGroupName $rg
$circuit_peer = Get-AzExpressRouteCircuit -Name $peeringCircuitName -ResourceGroupName $rg
$addressSpace = '60.0.0.0/29'
$addressPrefixType = 'IPv4'
    Add-AzExpressRouteCircuitConnectionConfig -Name $circuitConnectionName -ExpressRouteCircuit $circuit_init
-PeerExpressRouteCircuitPeering $circuit_peer.Peerings[0].Id
                -AddressPrefix $addressSpace -AddressPrefixType $addressPrefixType -AuthorizationKey
$circuit_peer.Authorizations[0].AuthorizationKey
Set-AzExpressRouteCircuit -ExpressRouteCircuit $circuit_init
```

Example 2: Add a circuit connection configuration using Piping to an existing ExpressRoute Circuit

```
$circuit_peer = Get-AzExpressRouteCircuit -Name $peeringCircuitName -ResourceGroupName $rg
$addressSpace = '60.0.0.0/29'
Get-AzExpressRouteCircuit -Name $initiatingCircuitName -ResourceGroupName $rg|Add-AzExpressRouteCircuitConnectionConfig -Name $circuitConnectionName
-PeerExpressRouteCircuitPeering $circuit_peer.Peerings[0].Id -AddressPrefix $addressSpace -AuthorizationKey $circuit_peer.Authorizations[0].AuthorizationKey
|Set-AzExpressRouteCircuit
```

RELATED LINKS

Online Version: https://learn.microsoft.com/powershell/module/az.network/add-azexpressroutecircuitconnectionconfig

Get-AzExpressRouteCircuitConnectionConfig

Remove-AzExpressRouteCircuitConnectionConfig

Set-AzExpressRouteCircuitConnectionConfig

Set-AzExpressRouteCircuit

Get-AzExpressRouteCircuit