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

PS:\>Get-HELP Add-AzExpressRouteCrossConnectionPeering -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-AzExpressRouteCrossConnectionPeering

SYNOPSIS

Adds a peering configuration to an ExpressRoute cross connection.

SYNTAX

Add-AzExpressRouteCrossConnectionPeering [-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -ExpressRouteCrossConnection <Microsoft.Azure.Commands.Network.Models.PSExpressRouteCrossConnection> [-Force] [-MicrosoftConfigAdvertisedPublicPrefix <System.String[]>] [-MicrosoftConfigCustomerAsn <System.Int32>] [-MicrosoftConfigRoutingRegistryName <System.String>] -Name <System.String> [-PeerAddressType {IPv4 | IPv6}] -PeerASN <System.UInt32> -PeeringType {AzurePrivatePeering | AzurePublicPeering | MicrosoftPeering} -PrimaryPeerAddressPrefix <System.String>

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

DESCRIPTION

The Add-AzExpressRouteCrossConnectionPeering cmdlet adds a peering configuration to an ExpressRoute cross connection. Note that, after running

Add-AzExpressRouteCrossConnectionPeering , you must call the Set-AzExpressRouteCrossConnection 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

-ExpressRouteCrossConnection <Microsoft.Azure.Commands.Network.Models.PSExpressRouteCrossConnection>

The ExpressRoute cross connection being modified. This is Azure object returned by the Get-AzExpressRouteCrossConnection cmdlet.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-Force <System.Management.Automation.SwitchParameter>

Do not ask for confirmation if you want to overwrite a resource

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-MicrosoftConfigAdvertisedPublicPrefix <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 cross connection. 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

-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

-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

PSExpressRouteCrossConnection

Parameter 'ExpressRouteCrossConnection' accepts value of type 'PSExpressRouteCrossConnection' from the pipeline

OUTPUTS

Microsoft.Azure.Commands.Network.Models.PSExpressRouteCrossConnection

NOTES

Example 1: Add a peer to an existing ExpressRoute cross connection

```
$cc = Get-AzExpressRouteCrossConnection -Name $CrossConnectionName -ResourceGroupName $rg
$parameters = @{
    Name = 'AzurePrivatePeering'
    CrossConnection = $cc
    PeeringType = 'AzurePrivatePeering'
    PeerASN = 100
```

```
    PrimaryPeerAddressPrefix = '10.6.1.0/30'
    SecondaryPeerAddressPrefix = '10.6.2.0/30'
    VlanId  = 200
}
Add-AzExpressRouteCrossConnectionPeering @parameters
Set-AzExpressRouteCrossConnection -ExpressRouteCrossConnection $cc
```

RELATED LINKS

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

Get-AzExpressRouteCrossConnectionPeering

Remove-AzExpressRouteCrossConnectionPeering

Get-AzExpressRouteCrossConnection

Set-AzExpressRouteCrossConnection