



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

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

SYNOPSIS

Creates a CustomIpPrefix resource

SYNTAX

```
New-AzCustomIpPrefix [-AsJob] [-Asn <System.String>] [-AuthorizationMessage <System.String>] -Cidr <System.String>
[-CustomIpPrefixParent
    <Microsoft.Azure.Commands.Network.Models.PSCustomIpPrefix>] [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-ExpressRouteAdvertise] [-Geo {AFRI | APAC | AQ | EURO | LATAM | ME | NAM
    | OCEANIA}] [-IsParent] -Location <System.String> -Name <System.String> -ResourceGroupName <System.String>
[-SignedMessage <System.String>] [-Tag
    <System.Collections.Hashtable>] [-Zone <System.String[]>] [-Confirm] [-WhatIf] [<CommonParameters>]
```

DESCRIPTION

The New-AzCustomIpPrefix cmdlet creates a CustomIpPrefix resource.

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

-Asn <System.String>

The customIpPrefix ASN code.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-AuthorizationMessage <System.String>

Authorization message for WAN validation.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Cidr <System.String>

The CustomIpPrefix CIDR.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-CustomIpPrefixParent <Microsoft.Azure.Commands.Network.Models.PSCustomIpPrefix>

Parent CustomIpPrefix of resource.

Required? false

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

-ExpressRouteAdvertise <System.Management.Automation.SwitchParameter>

Using expressRoute advertise.

Required? false

Position? named

Default value False

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Geo <System.String>

The customIpPrefix GEO code.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-IsParent <System.Management.Automation.SwitchParameter>

Denotes that resource is being created as a Parent CustomIpPrefix

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-Location <System.String>

The CustomIpPrefix location.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Name <System.String>

The resource name.

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

-ResourceGroupName <System.String>

The resource group name.

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

-SignedMessage <System.String>

Signed message for WAN validation.

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

-Tag <System.Collections.Hashtable>

A hashtable which represents resource tags.

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

-Zone <System.String[]>

A list of availability zones denoting the IP allocated for the resource needs to come from.

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.String[]

System.Collections.Hashtable

Microsoft.Azure.Commands.Network.Models.PSCustomIpPrefix

OUTPUTS

Microsoft.Azure.Commands.Network.Models.PSCustomIpPrefix

NOTES

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

```
$myCustomIpPrefix = New-AzCustomIpPrefix -Name $prefixName -ResourceGroupName $rgName -Cidr "40.40.40.0/24"  
-Location westus2 -Zone 1,2,3 -AuthorizationMessage  
$authorizationMessage -SignedMessage $signedMessage
```

This command kicks off the provisioning process for a new zone-redundant IPv4 Custom IP Prefix resource with name
\$prefixName in resource group \$rgName with a CIDR of

40.40.40.0/24 in West US 2 region. Note the AuthorizationMessage is a concatenated string (containing the subscription ID, CIDR, and Route Origin Authorization expiration date) and the SignedMessage is the same string signed by X509 certificate offline.

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

```
$myV4ParentPrefix = New-AzCustomIpPrefix -Name $prefixName -ResourceGroupName $rgName -Cidr "40.40.40.0/24"
-Location westus2 -IsParent -AuthorizationMessage
$authorizationMessage -SignedMessage $signedMessage
```

This command kicks off the provisioning process for a new Parent IPv4 Custom IP Prefix resource with name \$prefixName in resource group \$rgName with a CIDR of 40.40.40.0/24.

----- Example 3 -----

```
$myV4ChildIpPrefix = New-AzCustomIpPrefix -Name $prefixName -ResourceGroupName $rgName -Cidr "40.40.40.0/25"
-Location westus2 -CustomIpPrefixParent $myV4ParentPrefix
```

This command kicks off the provisioning process for a new Child IPv4 Custom IP Prefix resource with name \$prefixName in resource group \$rgName with a CIDR of 40.40.40.0/25. Its parent prefix is \$myV4ParentPrefix.

RELATED LINKS

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

Get-AzCustomIpPrefix

Remove-AzCustomIpPrefix

Update-AzCustomIpPrefix

