



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

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

SYNOPSIS

Creates a Public IP Prefix

SYNTAX

```
New-AzPublicIpPrefix [-AsJob] [-CustomIpPrefix <Microsoft.Azure.Commands.Network.Models.PSCustomIpPrefix>]
[-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-EdgeZone
<System.String>] [-Force] [-IpAddressVersion {IPv4 | IPv6}]
    [-IpTag <Microsoft.Azure.Commands.Network.Models.PSPublicIpPrefixTag[]>] -Location <System.String> -Name
<System.String> -PrefixLength <System.UInt16>
    -ResourceGroupName <System.String> [-Sku {Standard}] [-Tag <System.Collections.Hashtable>] [-Tier {Regional |
Global}] [-Zone <System.String[]>] [-Confirm] [-WhatIf]
```

[<CommonParameters>]

DESCRIPTION

The New-AzPublicIpPrefix cmdlet creates a public IP prefix.

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

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

The CustomIpPrefix that this PublicIpPrefix will be associated with

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

-EdgeZone <System.String>

The edge zone of the public IP prefix

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

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

-IpAddressVersion <System.String>

The public IP address version.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-IpTag <Microsoft.Azure.Commands.Network.Models.PSPublicIpPrefixTag[]>

IpTag List.

Required? false

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

-Location <System.String>

The public IP prefix 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

-PrefixLength <System.UInt16>

The PublicIPPrefix length

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

-Sku <System.String>

The public IP Prefix Sku name.

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

-Tier <System.String>

The public IP Prefix Sku tier.

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.UInt16

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

System.String[]

System.Collections.Hashtable

OUTPUTS

Microsoft.Azure.Commands.Network.Models.PSPublicIpPrefix

NOTES

----- Example 1: Create a new public Ip prefix -----

\$publicIpPrefix = New-AzPublicIpPrefix -Name \$prefixName -ResourceGroupName \$rgName -PrefixLength 30

This command creates a new public IP prefix resource.

----- Example 2: Create a new global public Ip prefix -----

```
$publicIpPrefix = New-AzPublicIpPrefix -ResourceGroupName $rgname -name $rname -location $location -Tier Global  
-PrefixLength 30
```

This command creates a new global public IP prefix resource.

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

```
New-AzPublicIpPrefix -CustomIpPrefix <PSCustomIpPrefix> -Location 'West US' -Name 'MyPublicIPPrefix' -PrefixLength  
'31' -ResourceGroupName 'MyResourceGroup'
```

RELATED LINKS

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

Get-AzPublicIpPrefix

Remove-AzPublicIpPrefix

Set-AzPublicIpPrefix