



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

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

SYNOPSIS

Creates a front-end IP configuration for a load balancer.

SYNTAX

```
New-AzLoadBalancerFrontendIpConfig [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -Name <System.String>
[-PrivateIpAddress <System.String>] [-PrivateIpAddressVersion {IPv4 | IPv6}] -Subnet
<Microsoft.Azure.Commands.Network.Models.PSSubnet> [-Zone <System.String[]>]
[-Confirm] [-WhatIf] [<CommonParameters>]
```

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -Name <System.String>

[-PrivateIpAddress <System.String>] [-PrivateIpAddressVersion {IPv4 | IPv6}] -SubnetId <System.String> [-Zone <System.String[]>] [-Confirm] [-WhatIf]

[<CommonParameters>]

New-AzLoadBalancerFrontendIpConfig [-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -Name <System.String>

-PublicIpAddress <Microsoft.Azure.Commands.Network.Models.PSPublicIpAddress> [-Zone <System.String[]>] [-Confirm] [-WhatIf] [<CommonParameters>]

New-AzLoadBalancerFrontendIpConfig [-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -Name <System.String>

-PublicIpAddressId <System.String> [-Zone <System.String[]>] [-Confirm] [-WhatIf] [<CommonParameters>]

New-AzLoadBalancerFrontendIpConfig [-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -Name <System.String>

-PublicIpAddressPrefix <Microsoft.Azure.Commands.Network.Models.PSPublicIpPrefix> [-Zone <System.String[]>] [-Confirm] [-WhatIf] [<CommonParameters>]

New-AzLoadBalancerFrontendIpConfig [-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -Name <System.String>

-PublicIpAddressPrefixId <System.String> [-Zone <System.String[]>] [-Confirm] [-WhatIf] [<CommonParameters>]

DESCRIPTION

The New-AzLoadBalancerFrontendIpConfig cmdlet creates a front-end IP configuration for an Azure load balancer.

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

-Name <System.String>

Specifies the front-end IP configuration that this cmdlet creates.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-PrivateIpAddress <System.String>

Specifies the private IP address of the load balancer. Specify this parameter only if you also specify the Subnet parameter.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-PrivateIpAddressVersion <System.String>

The private IP address version of the IP configuration.

Required? false

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

-PublicIpAddress <Microsoft.Azure.Commands.Network.Models.PSPublicIpAddress>

Specifies the PublicIpAddress object to associate with a front-end IP configuration.

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

-PublicIpAddressId <System.String>

Specifies the ID of the PublicIpAddress object to associate with a front-end IP configuration.

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

-PublicIpAddressPrefix <Microsoft.Azure.Commands.Network.Models.PSPublicIpPrefix>

Specifies the PublicIpAddressPrefix object to associate with a front-end IP configuration.

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

-PublicIpAddressPrefixId <System.String>

Specifies the ID of the PublicIpAddressPrefix object to associate with a front-end IP configuration.

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

-Subnet <Microsoft.Azure.Commands.Network.Models.PSSubnet>

Specifies the Subnet object in which to create a front-end IP configuration.

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

-SubnetId <System.String>

Specifies the ID of the subnet in which to create a front-end IP configuration.

Required? true
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[]

Microsoft.Azure.Commands.Network.Models.PSSubnet

Microsoft.Azure.Commands.Network.Models.PSPublicIpAddress

OUTPUTS

Microsoft.Azure.Commands.Network.Models.PSFrontendIPConfiguration

NOTES

Example 1: Create a front-end IP configuration for a load balancer

```
$publicip = New-AzPublicIpAddress -ResourceGroupName "MyResourceGroup" -Name "MyPublicIP" -Location "West US" -AllocationMethod "Dynamic"
```

```
New-AzLoadBalancerFrontendIpConfig -Name "FrontendIpConfig01" -PublicIpAddress $publicip
```

The first command creates a dynamic public IP address named MyPublicIP in the resource group named MyResourceGroup, and then stores it in the \$publicip variable. The

second command creates a front-end IP configuration named FrontendIpConfig01 using the public IP address in \$publicip.

Example 2: Create a front-end IP configuration for a load balancer using ip prefix

```
$publicipprefix = New-AzPublicIpPrefix -ResourceGroupName "MyResourceGroup" -name "MyPublicIPPrefix" -location "West US" -Sku Standard -PrefixLength 28
```

```
$frontend = New-AzLoadBalancerFrontendIpConfig -Name "FrontendIpConfig01" -PublicIpAddressPrefix $publicipprefix
```

The first command creates a public ip prefix named MyPublicIP of length 28 in the resource group named MyResourceGroup, and then stores it in the \$publicipprefix

variable. The second command creates a front-end IP configuration named FrontendIpConfig01 using the public IP prefix in \$publicipprefix.

RELATED LINKS

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

Add-AzLoadBalancerFrontendIpConfig

Get-AzLoadBalancerFrontendIpConfig

New-AzPublicIpAddress

Remove-AzLoadBalancerFrontendIpConfig

Set-AzLoadBalancerFrontendIpConfig