



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

PS: \>Get-HELP Add-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

Add-AzLoadBalancerFrontendIpConfig

SYNOPSIS

Adds a front-end IP configuration to a load balancer.

SYNTAX

```

Add-AzLoadBalancerFrontendIpConfig [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-GatewayLoadBalancerId
<System.String>] -LoadBalancer <Microsoft.Azure.Commands.Network.Models.PSLoadBalancer> -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>]

[-GatewayLoadBalancerId

<System.String>] -LoadBalancer <Microsoft.Azure.Commands.Network.Models.PSLoadBalancer> -Name

<System.String> [-PrivateIpAddress <System.String>]

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

[<CommonParameters>]

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]

[-GatewayLoadBalancerId

<System.String>] -LoadBalancer <Microsoft.Azure.Commands.Network.Models.PSLoadBalancer> -Name

<System.String> -PublicIpAddress

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

[<CommonParameters>]

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]

[-GatewayLoadBalancerId

<System.String>] -LoadBalancer <Microsoft.Azure.Commands.Network.Models.PSLoadBalancer> -Name

<System.String> -PublicIpAddressId <System.String> [-Zone

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

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]

[-GatewayLoadBalancerId

<System.String>] -LoadBalancer <Microsoft.Azure.Commands.Network.Models.PSLoadBalancer> -Name

<System.String> -PublicIpAddressPrefix

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

[<CommonParameters>]

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]

`[-GatewayLoadBalancerId`

`<System.String>] -LoadBalancer <Microsoft.Azure.Commands.Network.Models.PSLoadBalancer> -Name
<System.String> -PublicIpAddressPrefixId <System.String> [-Zone
<System.String[]>] [-Confirm] [-WhatIf] [<CommonParameters>]`

DESCRIPTION

The `Add-AzLoadBalancerFrontendIpConfig` cmdlet adds a front-end IP configuration to 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

`-GatewayLoadBalancerId <System.String>`

The reference of Gateway LoadBalancer Provider resource.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

`-LoadBalancer <Microsoft.Azure.Commands.Network.Models.PSLoadBalancer>`

Specifies a LoadBalancer object. This cmdlet adds a front-end IP configuration to the load balancer that this parameter specifies.

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

-Name <System.String>

Specifies the name of the front-end IP configuration to add.

Required? true
Position? named
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-PrivateIpAddress <System.String>

Specifies the private IP address to associate with a front-end IP configuration.

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 public IP address 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 public IP address in which to add 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 public ip address prefix 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 public ip address prefix 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 add 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 add 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

Microsoft.Azure.Commands.Network.Models.PSLoadBalancer

System.String

System.String[]

Microsoft.Azure.Commands.Network.Models.PSSubnet

Microsoft.Azure.Commands.Network.Models.PSPublicIpAddress

OUTPUTS

Microsoft.Azure.Commands.Network.Models.PSLoadBalancer

NOTES

Example 1 Add a front-end IP configuration with a dynamic IP address

```
$Subnet = Get-AzVirtualNetwork -Name "MyVnet" -ResourceGroupName "MyRg" | Get-AzVirtualNetworkSubnetConfig  
-Name "MySubnet"  
  
Get-AzLoadBalancer -Name "MyLB" -ResourceGroupName "NrpTest" | Add-AzLoadBalancerFrontendIpConfig -Name  
"FrontendName" -Subnet $Subnet | Set-AzLoadBalancer
```

The first command gets the Azure virtual network named MyVnet and passes the result using the pipeline to the Get-AzVirtualNetworkSubnetConfig cmdlet to get the

subnet named MySubnet. The command then stores the result in the variable named \$Subnet. The second command gets the load balancer named MyLB and passes the result to

the Add-AzLoadBalancerFrontendIpConfig cmdlet that adds a front-end IP configuration to the load balancer with a dynamic private IP address from the subnet stored in the variable named \$MySubnet.

Example 2 Add a front-end IP configuration with a static IP address


```
$Subnet = Get-AzVirtualNetwork -Name "MyVnet" -ResourceGroupName "RG001" | Get-AzVirtualNetworkSubnetConfig  
-Name "MySubnet"  
  
Get-AzLoadBalancer -Name "MyLB" -ResourceGroupName "NrpTest" | Add-AzLoadBalancerFrontendIpConfig -Name  
"FrontendName" -Subnet $Subnet -PrivateIpAddress "10.0.1.6" |  
  
Set-AzLoadBalancer
```

The first command gets the Azure virtual network named MyVnet and passes the result using the pipeline to the Get-AzVirtualNetworkSubnetConfig cmdlet to get the

subnet named MySubnet. The command then stores the result in the variable named \$Subnet. The second command gets the load balancer named MyLB and passes the result to

the Add-AzLoadBalancerFrontendIpConfig cmdlet that adds a front-end IP configuration to the load balancer with a static private IP address from the subnet stored in

the variable named \$Subnet.

Example 3 Add a front-end IP configuration with a public IP address

```
$PublicIp = Get-AzPublicIpAddress -ResourceGroupName "myRG" -Name "MyPub"  
  
Get-AzLoadBalancer -Name "MyLB" -ResourceGroupName "NrpTest" | Add-AzLoadBalancerFrontendIpConfig -Name  
"FrontendName" -PublicIpAddress $PublicIp | Set-AzLoadBalancer
```

The first command gets the Azure public IP address named MyPub and stores the result in the variable named \$PublicIp. The second command gets the load balancer named

MyLB and passes the result to the Add-AzLoadBalancerFrontendIpConfig cmdlet that adds a front-end IP configuration to the load balancer with public IP address stored

in the variable named \$PublicIp.

Example 4 Add a front-end IP configuration with a public IP prefix

```
$PublicIpPrefix = Get-AzPublicIpPrefix -ResourceGroupName "myRG" -Name "MyPubPrefix"  
  
Get-AzLoadBalancer -Name "MyLB" -ResourceGroupName "NrpTest" | Add-AzLoadBalancerFrontendIpConfig -Name  
"FrontendName" -PublicIpAddressPrefix $PublicIpPrefix |
```

Set-AzLoadBalancer

The first command gets the Azure public IP prefix named MyPubPrefix and stores the result in the variable named \$PublicIpPrefix. The second command gets the load

balancer named MyLB and passes the result to the Add-AzLoadBalancerFrontendIpConfig cmdlet that adds a front-end IP configuration to the load balancer with public IP

prefix stored in the variable named \$PublicIpPrefix.

RELATED LINKS

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

Get-AzLoadBalancerFrontendIpConfig

Get-AzVirtualNetwork

Get-AzVirtualNetworkSubnetConfig

New-AzLoadBalancerFrontendIpConfig

Remove-AzLoadBalancerFrontendIpConfig

Set-AzLoadBalancerFrontendIpConfig