



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

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

SYNOPSIS

Adds an inbound NAT pool to a load balancer.

SYNTAX

```
Add-AzLoadBalancerInboundNatPoolConfig -BackendPort <System.Int32> [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-EnableFloatingIP]
[-EnableTcpReset] [-FrontendIpConfiguration
    <Microsoft.Azure.Commands.Network.Models.PSFrontendIPConfiguration>] -FrontendPortRangeEnd <System.Int32>
-FrontendPortRangeStart <System.Int32>
    [-IdleTimeoutInMinutes <System.Int32>] -LoadBalancer <Microsoft.Azure.Commands.Network.Models.PSLoadBalancer>
-Name <System.String> -Protocol <System.String>
    [-Confirm] [-WhatIf] [<CommonParameters>]
```

```
Add-AzLoadBalancerInboundNatPoolConfig -BackendPort <System.Int32> [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-EnableFloatingIP]
[-EnableTcpReset] [-FrontendIpConfigurationId
    <System.String>] -FrontendPortRangeEnd <System.Int32> -FrontendPortRangeStart <System.Int32>
[-IdleTimeoutInMinutes <System.Int32>] -LoadBalancer
    <Microsoft.Azure.Commands.Network.Models.PSLoadBalancer> -Name <System.String> -Protocol <System.String>
[-Confirm] [-WhatIf] [<CommonParameters>]
```

DESCRIPTION

The Add-AzLoadBalancerInboundNatPoolConfig cmdlet adds an inbound NAT pool to a load balancer.

PARAMETERS

-BackendPort <System.Int32>

Required?	true
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

-EnableFloatingIP <System.Management.Automation.SwitchParameter>

Configures a virtual machine's endpoint for the floating IP capability required to configure a SQL AlwaysOn Availability Group. This setting is required when

using the SQL AlwaysOn Availability Groups in SQL server. This setting can't be changed after you create the endpoint.

Required?	false
Position?	named
Default value	False
Accept pipeline input?	False
Accept wildcard characters?	false

-EnableTcpReset <System.Management.Automation.SwitchParameter>

Receive bidirectional TCP Reset on TCP flow idle timeout or unexpected connection termination. This element is only used when the protocol is set to TCP.

Required?	false
Position?	named
Default value	False
Accept pipeline input?	False
Accept wildcard characters?	false

-FrontendIpConfiguration <Microsoft.Azure.Commands.Network.Models.PSFrontendIPConfiguration>

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

-FrontendIpConfigurationId <System.String>

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

-FrontendPortRangeEnd <System.Int32>

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

-FrontendPortRangeStart <System.Int32>

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

-IdleTimeoutInMinutes <System.Int32>

The timeout for the TCP idle connection. The value can be set between 4 and 30 minutes. The default value is 4 minutes. This element is only used when the protocol is set to TCP.

Required? false
Position? named
Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

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

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName, ByValue)

Accept wildcard characters? false

-Name <System.String>

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Protocol <System.String>

Required? true

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 \(https://go.microsoft.com/fwlink/?LinkID=113216\)](https://go.microsoft.com/fwlink/?LinkID=113216).

INPUTS

Microsoft.Azure.Commands.Network.Models.PSLoadBalancer

System.String

System.Int32

Microsoft.Azure.Commands.Network.Models.PSFrontendIPConfiguration

OUTPUTS

Microsoft.Azure.Commands.Network.Models.PSLoadBalancer

NOTES

----- Example 1: Add -----

```
$slb = Get-AzLoadBalancer -Name "MyLoadBalancer" -ResourceGroupName "MyResourceGroup"
$felpConfig = Get-AzLoadBalancerFrontendIpConfig -Name "FrontendName" -Loadbalancer $slb
$slb | Add-AzLoadBalancerInboundNatPoolConfig -Name "myInboundNatPool" -Protocol TCP -FrontendIPConfigurationId
$felpConfig.Id -FrontendPortRangeStart 1001
-FrontendPortRangeEnd 2000 -BackendPort 1001
$lb | Set-AzLoadBalancer
```

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

```
Add-AzLoadBalancerInboundNatPoolConfig -BackendPort 1001 -FrontendIpConfigurationId <String>
-FrontendPortRangeEnd 2000 -FrontendPortRangeStart 1001 -Name
'myInboundNatPool' -Protocol TCP -LoadBalancer <PSLoadBalancer>
```

RELATED LINKS

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

[Get-AzLoadBalancerInboundNatPoolConfig](#)

[New-AzLoadBalancerInboundNatPoolConfig](#)

[Remove-AzLoadBalancerInboundNatPoolConfig](#)

[Set-AzLoadBalancerInboundNatPoolConfig](#)