



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

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

SYNOPSIS

Creates an outbound rule configuration for a load balancer.

SYNTAX

```
New-AzLoadBalancerOutboundRuleConfig [-AllocatedOutboundPort <System.Int32>] -BackendAddressPool
<Microsoft.Azure.Commands.Network.Models.PSBackendAddressPool>
[-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-EnableTcpReset] -FrontendIpConfiguration
<Microsoft.Azure.Commands.Network.Models.PSResourceId[]> [-IdleTimeoutInMinutes <System.Int32>] -Name
<System.String> -Protocol <System.String> [-Confirm] [-WhatIf]
[<CommonParameters>]
```

```

New-AzLoadBalancerOutboundRuleConfig [-AllocatedOutboundPort <System.Int32>] -BackendAddressPoolId
<System.String> [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-EnableTcpReset]
-FrontendIpConfiguration
<Microsoft.Azure.Commands.Network.Models.PSResourceId[]> [-IdleTimeoutInMinutes <System.Int32>] -Name
<System.String> -Protocol <System.String> [-Confirm] [-WhatIf]
[<CommonParameters>]

```

DESCRIPTION

The `New-AzLoadBalancerOutboundRuleConfig` cmdlet creates an outbound rule configuration for an Azure load balancer.

PARAMETERS

`-AllocatedOutboundPort <System.Int32>`

The number of outbound ports to be used for NAT.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

`-BackendAddressPool <Microsoft.Azure.Commands.Network.Models.PSBackendAddressPool>`

A reference to a pool of DIPs. Outbound traffic is randomly load balanced across IPs in the backend IPs.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-BackendAddressPoolId <System.String>

A reference to a pool of DIPs. Outbound traffic is randomly load balanced across IPs in the backend IPs.

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

-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.PSResourceId[]>

The Frontend IP addresses of the load balancer.

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

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Name <System.String>

Name of the outbound rule.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Protocol <System.String>

Protocol - TCP, UDP or All

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>).

INPUTS

System.Int32

System.String

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

OUTPUTS

Microsoft.Azure.Commands.Network.Models.PSOutboundRule

NOTES

Example 1: Create an outbound rule configuration for a load balancer

```
$publicip = New-AzPublicIpAddress -ResourceGroupName "MyResourceGroup" -Name "MyPublicIP" -Location "West  
US" -AllocationMethod "Dynamic" -Sku "Standard"  
  
$frontend = New-AzLoadBalancerFrontendIpConfig -Name "FrontendIpConfig01" -PublicIpAddress $publicip  
  
$backend = New-AzLoadBalancerBackendAddressPoolConfig -Name "BackendAddressPool01"  
  
New-AzLoadBalancerOutboundRuleConfig -Name "MyOutboundRule" -Protocol "Tcp" -FrontendIPConfiguration  
$frontend -BackendAddressPool $backend
```

The first command creates a 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, and then stores it in the \$frontend variable. The

third command creates a back-end address pool configuration named BackendAddressPool01, and then stores it in the \$backend variable. The fourth command creates an

outbound rule configuration named MyOutboundRule using the front-end and back-end objects in \$frontend and \$backend. The Protocol , FrontendIPConfiguration , and

BackendAddressPool parameters are all required to create an outbound rule configuration.

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

```
New-AzLoadBalancerOutboundRuleConfig -BackendAddressPool <PSBackendAddressPool> -EnableTcpReset  
-FrontendIpConfiguration <PSResourceId[]> -Name 'MyOutboundRule'  
-Protocol 'Tcp'
```

RELATED LINKS

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

Add-AzLoadBalancerOutboundRuleConfig

Get-AzLoadBalancerOutboundRuleConfig

Remove-AzLoadBalancerOutboundRuleConfig

Set-AzLoadBalancerOutboundRuleConfig