



Windows PowerShell Get-Help on Cmdlet 'Set-AzLoadBalancerRuleConfig'

PS:\>Get-HELP Set-AzLoadBalancerRuleConfig -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

Set-AzLoadBalancerRuleConfig

SYNOPSIS

Updates a rule configuration for a load balancer.

SYNTAX

```

Set-AzLoadBalancerRuleConfig [-BackendAddressPool
<Microsoft.Azure.Commands.Network.Models.PSBackendAddressPool[]>] [-BackendPort <System.Int32>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-DisableOutboundSNAT] [-EnableFloatingIP] [-EnableTcpReset]
[-FrontendIpConfiguration <Microsoft.Azure.Commands.Network.Models.PSFrontendIPConfiguration>] [-FrontendPort
<System.Int32>] [-IdleTimeoutInMinutes <System.Int32>]
-LoadBalancer <Microsoft.Azure.Commands.Network.Models.PSLoadBalancer> [-LoadDistribution <System.String>]
-Name <System.String> [-Probe

```

```

    <Microsoft.Azure.Commands.Network.Models.PSProbe>] [-Protocol <System.String>] [-Confirm] [-WhatIf]
[<CommonParameters>]

Set-AzLoadBalancerRuleConfig [-BackendAddressPoolId <System.String[]>] [-BackendPort <System.Int32>]
[-DefaultProfile

    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-DisableOutboundSNAT] [-EnableFloatingIP] [-EnableTcpReset]

    [-FrontendIpConfigurationId <System.String>] [-FrontendPort <System.Int32>] [-IdleTimeoutInMinutes <System.Int32>]
-LoadBalancer

    <Microsoft.Azure.Commands.Network.Models.PSLoadBalancer> [-LoadDistribution <System.String>] -Name
<System.String> [-ProbeId <System.String>] [-Protocol

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

```

DESCRIPTION

The Set-AzLoadBalancerRuleConfig cmdlet updates a rule configuration for a load balancer.

PARAMETERS

-BackendAddressPool <Microsoft.Azure.Commands.Network.Models.PSBackendAddressPool[]>

Specifies a BackendAddressPool object to associate with a load balancer rule.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-BackendAddressPoolId <System.String[]>

Specifies the ID of a BackendAddressPool object to associate with a load balancer rule configuration.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-BackendPort <System.Int32>

Specifies the backend port for traffic that is matched by this rule configuration.

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

-DisableOutboundSNAT <System.Management.Automation.SwitchParameter>

Configures SNAT for the VMs in the backend pool to use the publicIP address specified in the frontend of the load balancing rule.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-EnableFloatingIP <System.Management.Automation.SwitchParameter>

Indicates that this cmdlet enables a floating IP address for a rule configuration.

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>

Specifies a list of front-end IP addresses to associate with a load balancer rule configuration.

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

-FrontendIpConfigurationId <System.String>

Specifies the ID for a front-end IP address configuration.

Required?	false
Position?	named
Default value	None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-FrontendPort <System.Int32>

Specifies the front-end port that is matched by a load balancer rule configuration.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-IdleTimeoutInMinutes <System.Int32>

Specifies the length of time, in minutes, for which the state of conversations is maintained in a load balancer.

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 load balancer. This cmdlet updates a rule configuration for the load balancer that this parameter specifies.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName, ByValue)

Accept wildcard characters? false

-LoadDistribution <System.String>

Specifies a load distribution. The acceptable values for this parameter are: SourceIP and SourceIPProtocol.

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

-Name <System.String>

Specifies the name of a load balancer.

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

-Probe <Microsoft.Azure.Commands.Network.Models.PSProbe>

Specifies a probe to associate with a load balancer rule configuration.

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

-ProbeId <System.String>

Specifies the ID of the probe to associate with a load balancer rule configuration.

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

-Protocol <System.String>

Specifies the protocol that is matched by a load balancer rule. The acceptable values for this parameter are: Tcp or Udp.

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.Int32

Microsoft.Azure.Commands.Network.Models.PSFrontendIPConfiguration

Microsoft.Azure.Commands.Network.Models.PSBackendAddressPool

Microsoft.Azure.Commands.Network.Models.PSProbe

OUTPUTS

Microsoft.Azure.Commands.Network.Models.PSLoadBalancer

NOTES

---- Example 1: Modify a load balancing rule configuration ----

```

$slb = Get-AzLoadBalancer -Name "MyLoadBalancer" -ResourceGroupName "MyResourceGroup"

$slb | Add-AzLoadBalancerRuleConfig -Name "NewRule" -FrontendIPConfiguration $slb.FrontendIpConfigurations[0]
-Protocol "Tcp" -FrontendPort 3350 -BackendPort 3350

-EnableFloatingIP

$slb | Set-AzLoadBalancerRuleConfig -Name "NewRule" -FrontendIPConfiguration $slb.FrontendIpConfigurations[0]
-Protocol "Tcp" -FrontendPort 3350 -BackendPort 3350

$slb | Set-AzLoadBalancer

```

Example 2: Modify a load balancing rule configuration to have two backend address pools

```

$slb = Get-AzLoadBalancer -Name "MyLoadBalancer" -ResourceGroupName "MyResourceGroup"

$MyBackendPool1 = Get-AzLoadBalancerBackendAddressPool -ResourceGroupName $resourceGroup
-LoadBalancerName $MyLoadBalancer -Name $backendPool1Name

$MyBackendPool2 = Get-AzLoadBalancerBackendAddressPool -ResourceGroupName $resourceGroup
-LoadBalancerName $MyLoadBalancer -Name $backendPool2Name

$slb | Set-AzLoadBalancerRuleConfig -Name "NewRule" -FrontendIPConfiguration $slb.FrontendIpConfigurations[0]
-Protocol "All" -FrontendPort 0 -BackendPort 0

-BackendAddressPool $MyBackendPool1, $MyBackendPool2

$slb | Set-AzLoadBalancer

```

The first command gets the load balancer named MyLoadBalancer, and then stores it in the \$slb variable. The second command uses the pipeline operator to pass the load

balancer in \$slb to Add-AzLoadBalancerRuleConfig, which adds a rule named NewRule to it. The third command passes the load balancer to Set-AzLoadBalancerRuleConfig ,

which sets the new rule configuration. Note that the configuration does not enable a floating IP address, which had been enabled by the previous command.

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

Add-AzLoadBalancerRuleConfig

Add-AzLoadBalancerRuleConfig

Get-AzLoadBalancerRuleConfig

New-AzLoadBalancerRuleConfig

Remove-AzLoadBalancerRuleConfig