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

PS:\>Get-HELP Add-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

Add-AzLoadBalancerRuleConfig

SYNOPSIS

Adds a rule configuration to a load balancer.

SYNTAX

Add-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>]

Add-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 Add-AzLoadBalancerRuleConfig cmdlet adds a rule configuration to an Azure load balancer.

PARAMETERS

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

Specifies the backend address pool to associate with a load balancer rule configuration.

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 a load balancer 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, that the state of conversations is maintained in the 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 LoadBalancer object. This cmdlet adds a rule 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

-LoadDistribution <System.String>

Specifies a load distribution.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Name <System.String>

Specifies the name of the load balancer rule configuration.

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: Add a rule configuration to a load balancer ----

```
$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-AzLoadBalancer
```

The first command gets the load balancer named MyLoadBalancer, and then stores it in the variable $slb. The second command uses the pipeline operator to pass the load balancer in $slb to Add-AzLoadBalancerRuleConfig , which adds the rule configuration named NewRule. The third command will update the load balancer in azure with the new Load Balancer Rule Config.

Example 2: Add a rule configuration with two backend address pools to a load balancer

```
$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 | Add-AzLoadBalancerRuleConfig -Name "NewRule" -FrontendIPConfiguration $slb.FrontendIpConfigurations[0] -Protocol All -FrontendPort 0 -BackendPort 0
-BackendAddressPool $MyBackendPool1, $MyBackendPool2
$slb | Set-AzLoadBalancer
```

This enables Gateway Load Balancer to have multiple backend pools The first command will get the load balancer named MyLoadBalancer, and then stores it in the variable $slb. The second and thrid command will get the backend address pools to be added the rule The forth command will add a new rule with configured backend pools the fifth command will update the load balancer in azure with the new Load Balancer Rule Config.

RELATED LINKS

Online Version: https://learn.microsoft.com/powershell/module/az.network/add-azloadbalancerruleconfig

Get-AzLoadBalancer

Get-AzLoadBalancerRuleConfig

New-AzLoadBalancerRuleConfig

Remove-AzLoadBalancerRuleConfig

Set-AzLoadBalancerRuleConfig