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

PS:\>Get-HELP New-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

New-AzLoadBalancerRuleConfig

SYNOPSIS

Creates a rule configuration for a load balancer.

SYNTAX

New-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>] [-LoadDistribution <System.String>] -Name <System.String> [-Probe <Microsoft.Azure.Commands.Network.Models.PSProbe>] [-Protocol <System.String>] [-Confirm] [-WhatIf]

[<CommonParameters>]

New-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>] [-LoadDistribution <System.String>] -Name <System.String> [-ProbeId <System.String>] [-Protocol <System.String>] [-Confirm] [-WhatIf] [<CommonParameters>]

DESCRIPTION

The New-AzLoadBalancerRuleConfig cmdlet creates a rule configuration for an Azure load balancer.

PARAMETERS

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

Specifies 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

-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 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 a load balancer.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-LoadDistribution <System.String>

Specifies a load distribution. The acceptable values for this parameter are: - Default

- SourceIP

- SourceIPProtocol

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 balancing rule that this cmdlet creates.

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 configuration. 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

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.PSLoadBalancingRule

NOTES

Example 1: Creating a rule configuration for an Azure Load Balancer

```
$publicip = New-AzPublicIpAddress -ResourceGroupName "MyResourceGroup" `
    -name MyPublicIP -location 'West US' -AllocationMethod Dynamic
$frontend = New-AzLoadBalancerFrontendIpConfig -Name MyFrontEnd `
    -PublicIpAddress $publicip
$probe = New-AzLoadBalancerProbeConfig -Name MyProbe -Protocol http -Port `
    80 -IntervalInSeconds 15 -ProbeCount 2 -ProbeThreshold 2 -RequestPath healthcheck.aspx
New-AzLoadBalancerRuleConfig -Name "MyLBrule" -FrontendIPConfiguration `
    $frontend -BackendAddressPool $backendAddressPool -Probe $probe -Protocol Tcp `
    -FrontendPort 80 -BackendPort 80 -IdleTimeoutInMinutes 15 -EnableFloatingIP `
    -LoadDistribution SourceIP
```

Example 2: Creating a rule configuration for an Azure Load Balancer with Gateway 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
```

The first three commands set up a public IP, a front end, and a probe for the rule configuration in the forth command. The forth command creates a new rule called

MyLBrule with certain specifications.

RELATED LINKS

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

Add-AzLoadBalancerRuleConfig

Get-AzLoadBalancerRuleConfig

Remove-AzLoadBalancerRuleConfig

Set-AzLoadBalancerRuleConfig