
## *Windows PowerShell Get-Help on Cmdlet 'Set-AzLoadBalancerInboundNatRuleConfig'*

***PS:\>Get-HELP Set-AzLoadBalancerInboundNatRuleConfig -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-AzLoadBalancerInboundNatRuleConfig

SYNOPSIS

Sets an inbound NAT rule configuration for a load balancer.

SYNTAX

Set-AzLoadBalancerInboundNatRuleConfig [-BackendAddressPool <Microsoft.Azure.Commands.Network.Models.PSBackendAddressPool>] [-BackendPort <System.Int32>] [-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-EnableFloatingIP] [-EnableTcpReset] [-FrontendIpConfiguration <Microsoft.Azure.Commands.Network.Models.PSFrontendIPConfiguration>] [-FrontendPort <System.Int32>] [-FrontendPortRangeEnd <System.Nullable`1[System.Int32]>] [-FrontendPortRangeStart <System.Nullable`1[System.Int32]>] [-IdleTimeoutInMinutes <System.Int32>] -LoadBalancer

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

Set-AzLoadBalancerInboundNatRuleConfig [-BackendAddressPoolId <System.String>] [-BackendPort <System.Int32>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-EnableFloatingIP] [-EnableTcpReset] [-FrontendIpConfigurationId
<System.String>] [-FrontendPort <System.Int32>] [-FrontendPortRangeEnd <System.Nullable`1[System.Int32]>] [-FrontendPortRangeStart <System.Nullable`1[System.Int32]>]
[-IdleTimeoutInMinutes <System.Int32>] -LoadBalancer <Microsoft.Azure.Commands.Network.Models.PSLoadBalancer> -Name <System.String> [-Protocol <System.String>]
[-Confirm] [-WhatIf] [<CommonParameters>]

DESCRIPTION

The Set-AzLoadBalancerInboundNatRuleConfig cmdlet sets an inbound network address translation (NAT) rule configuration for an Azure load balancer.

PARAMETERS

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

Specifies the backend address pool to associate with an inbound NAT 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 an inbound NAT 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

-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 an inbound NAT 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

-FrontendPortRangeEnd <System.Nullable`1[System.Int32]>

Specifies the last port number in the range of external ports that is used by a rule configuration. Acceptable values range between 1 and 65535.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-FrontendPortRangeStart <System.Nullable`1[System.Int32]>

Specifies the first port number in the range of external ports that is used by a rule configuration. Acceptable values range between 1 and 65534.

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

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

Specifies a load balancer. This cmdlet sets an inbound NAT 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

-Name <System.String>

Specifies the name of an inbound NAT rule configuration.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Protocol <System.String>

Specifies the protocol that is matched by an inbound NAT 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

Microsoft.Azure.Commands.Network.Models.PSLoadBalancer

System.String

System.Int32

Microsoft.Azure.Commands.Network.Models.PSFrontendIPConfiguration

Microsoft.Azure.Commands.Network.Models.PSBackendAddressPool

OUTPUTS

Microsoft.Azure.Commands.Network.Models.PSLoadBalancer

NOTES

Example 1: Modify the inbound NAT rule configuration on a load balancer

```
$slb = Get-AzLoadBalancer -Name "MyLoadBalancer" -ResourceGroupName "MyResourceGroup"
        $slb | Add-AzLoadBalancerInboundNatRuleConfig -Name "NewNatRule" -FrontendIPConfiguration
$slb.FrontendIpConfigurations[0] -Protocol "Tcp" -FrontendPort 3350
-BackendPort 3350 -EnableFloatingIP
        $slb | Set-AzLoadBalancerInboundNatRuleConfig -Name "NewNatRule" -FrontendIPConfiguration
$slb.FrontendIpConfigurations[0] -Protocol "Tcp" -FrontendPort 3350
-BackendPort 3350
```

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-AzLoadBalancerInboundNatRuleConfig, which adds an inbound NAT rule configuration to it. The third command passes the load balancer to

Set-AzLoadBalancerInboundNatRuleConfig , which saves and updates the inbound NAT rule configuration. Note that the rule configuration was set without enabling

floating IP, which had been enabled by the previous command.

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

Set-AzLoadBalancerInboundNatRuleConfig -BackendPort 3350 -FrontendIpConfigurationId <String> -FrontendPort 3350 -LoadBalancer <PSLoadBalancer> -Name 'NewNatRule'

-Protocol 'Tcp'

Example 3: Modify the inbound NAT rule V2 configuration on a load balancer

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

$slb | Add-AzLoadBalancerInboundNatRuleConfig -Name "NewNatRuleV2" -FrontendIPConfiguration $slb.FrontendIpConfigurations[0] -Protocol "Tcp" -IdleTimeoutInMinutes 10

-FrontendPortRangeStart 3389 -FrontendPortRangeEnd 4000 -BackendAddressPool $slb.BackendAddressPools[0] -BackendPort 3389

$slb | Set-AzLoadBalancerInboundNatRuleConfig -Name "NewNatRuleV2" -FrontendIPConfiguration $slb.FrontendIpConfigurations[0] -Protocol "Tcp" -IdleTimeoutInMinutes 10

-FrontendPortRangeStart 3370 -FrontendPortRangeEnd 3389 -BackendAddressPool $slb.BackendAddressPools[0] -BackendPort 3380

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-AzLoadBalancerInboundNatRuleConfig, which adds an inbound NAT rule V2 configuration to it. The third command passes the load balancer to

Set-AzLoadBalancerInboundNatRuleConfig , which saves and updates the inbound NAT rule V2 configuration. Note that FrontendPortRangeStart, FrontendPortRangeEnd and

BackendPort are changed in rule configuration.

RELATED LINKS

Online Version: https://learn.microsoft.com/powershell/module/az.network/set-azloadbalancerinboundnatruleconfig

Add-AzLoadBalancerInboundNatRuleConfig

Get-AzLoadBalancer

Get-AzLoadBalancerInboundNatRuleConfig

New-AzLoadBalancerInboundNatRuleConfig

Remove-AzLoadBalancerInboundNatRuleConfig