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

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

SYNOPSIS

Creates a collection of Firewall NAT rules.

SYNTAX

New-AzFirewallNatRuleCollection [-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -Name <System.String>

-Priority <System.UInt32> -Rule <Microsoft.Azure.Commands.Network.Models.PSAzureFirewallNatRule[]> [-Confirm] [-WhatIf] [<CommonParameters>]

DESCRIPTION

The New-AzFirewallNatRuleCollection cmdlet creates a collection of Firewall NAT Rules.

PARAMETERS

-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

-Name <System.String>

Specifies the name of this NAT rule. The name must be unique inside a rule collection.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Priority <System.UInt32>

Specifies the priority of this rule. Priority is a number between 100 and 65000. The smaller the number, the bigger the priority.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Rule <Microsoft.Azure.Commands.Network.Models.PSAzureFirewallNatRule[]>

Specifies the list of rules to be grouped under this collection.

Required? true

Position? named

Default value None

Accept pipeline input? False

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

None

OUTPUTS

Microsoft.Azure.Commands.Network.Models.PSAzureFirewallNatRuleCollection

NOTES

--------- Example 1: Create a collection with one rule ---------

$rule1 = New-AzFirewallNatRule -Name "natRule" -Protocol "TCP" -SourceAddress "*" -DestinationAddress "10.0.0.1" -DestinationPort "80" -TranslatedAddress "10.0.0.2"
-TranslatedPort "8080"
New-AzFirewallNatRuleCollection -Name "MyNatRuleCollection" -Priority 1000 -Rule $rule1

This example creates a collection with one rule. All traffic that matches the conditions identified in $rule1 will be DNAT'ed to translated address and port.

---------- Example 2: Add a rule to a rule collection ----------

$rule1 = New-AzFirewallNatRule -Name R1 -Protocol "UDP","TCP" -SourceAddress "*" -DestinationAddress "10.0.0.1" -DestinationPort "80" -TranslatedAddress "10.0.0.2"
-TranslatedPort "8080"
$ruleCollection = New-AzFirewallNatRuleCollection -Name "MyNatRuleCollection" -Priority 100 -Rule $rule1

$rule2 = New-AzFirewallNatRule -Name R2 -Protocol "TCP" -SourceAddress "*" -DestinationAddress "10.0.0.1"

-DestinationPort "443" -TranslatedAddress "10.0.0.2"

-TranslatedPort "8443"

$ruleCollection.AddRule($rule2)

This example creates a new NAT rule collection with one rule and then adds a second rule to the rule collection using method AddRule on the rule collection object.

Each rule name in a given rule collection must have an unique name and is case insensitive.

--------- Example 3: Get a rule from a rule collection ---------

$rule1 = New-AzFirewallNatRule -Name R1 -Protocol "TCP" -SourceAddress "10.0.0.0/24" -DestinationAddress "10.0.1.0/24" -DestinationPort "443" -TranslatedAddress

"10.0.0.2" -TranslatedPort "8443"

$ruleCollection = New-AzFirewallNatRuleCollection -Name "MyNatRuleCollection" -Priority 100 -Rule $rule1

$rule=$ruleCollection.GetRuleByName("r1")

This example creates a new NAT rule collection with one rule and then gets the rule by name, calling method GetRuleByName on the rule collection object. The rule

name for method GetRuleByName is case-insensitive.

------- Example 4: Remove a rule from a rule collection -------

$rule1 = New-AzFirewallNatRule -Name R1 -Protocol "UDP","TCP" -SourceAddress "*" -DestinationAddress "10.0.0.1" -DestinationPort "80" -TranslatedAddress "10.0.0.2"

-TranslatedPort "8080"

$rule2 = New-AzFirewallNatRule -Name R2 -Protocol "TCP" -SourceAddress "*" -DestinationAddress "10.0.0.1" -DestinationPort "443" -TranslatedAddress "10.0.0.2"

-TranslatedPort "8443"

$ruleCollection = New-AzFirewallNatRuleCollection -Name "MyNatRuleCollection" -Priority 100 -Rule $rule1, $rule2

$ruleCollection.RemoveRuleByName("r1")

This example creates a new NAT rule collection with two rules and then removes the first rule from the rule collection by calling method RemoveRuleByName on the rule

collection object. The rule name for method RemoveRuleByName is case-insensitive.

RELATED LINKS

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

New-AzFirewallNatRule

New-AzFirewall

Get-AzFirewall