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

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

SYNOPSIS

Creates a Firewall NAT Rule.

SYNTAX

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

-DestinationAddress <System.String[]> -DestinationPort <System.String[]> -Name <System.String> -Protocol {Any | TCP | UDP} [-SourceAddress <System.String[]>]

[-SourceIpGroup <System.String[]>] [-TranslatedAddress <System.String>] [-TranslatedFqdn <System.String>] -TranslatedPort <System.String> [-Confirm] [-WhatIf]

[<CommonParameters>]

DESCRIPTION

The New-AzFirewallNatRule cmdlet creates a NAT rule for Azure Firewall.

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

-Description <System.String>

Specifies an optional description of this rule.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-DestinationAddress <System.String[]>

The destination addresses of the rule

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-DestinationPort <System.String[]>

The destination ports of the rule

Required? true

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

-Protocol <System.String[]>

Specifies the type of traffic to be filtered by this rule. The supported protocols are TCP and UDP. A special value "Any" is allowed, meaning it will match both

TCP and UDP, but no other protocols.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-SourceAddress <System.String[]>

The source addresses of the rule

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-SourceIpGroup <System.String[]>

The source ipgroup of the rule

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-TranslatedAddress <System.String>

Specifies the desired result of the address translation

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-TranslatedFqdn <System.String>

The translated FQDN for this NAT rule

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-TranslatedPort <System.String>

Specifies the desired result of the port translation

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.PSAzureFirewallNatRule

NOTES

Example 1: Create a rule to DNAT all TCP traffic from 10.0.0.0/24 with destination 10.1.2.3:80 to destination 10.4.5.6:8080

New-AzFirewallNatRule -Name "dnat-rule" -Protocol "TCP" -SourceAddress "10.0.0.0/24" -DestinationAddress "10.1.2.3" -DestinationPort "80" -TranslatedAddress
"10.4.5.6" -TranslatedPort "8080"

This example creates a rule which will DNAT all traffic originating in 10.0.0.0/24 with destination 10.1.2.3:80 to 10.4.5.6:8080

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

New-AzFirewallNatRule -DestinationAddress '10.0.0.1' -DestinationPort '443' -Name 'dnat-rule' -Protocol Any -SourceIpGroup <String[]> -TranslatedAddress '10.0.0.2'
-TranslatedPort '8080'

RELATED LINKS

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

New-AzFirewallNatRuleCollection

New-AzFirewall

Get-AzFirewall