



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

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

SYNOPSIS

Creates a NAT rule on a VpnGateway which can be associated with VpnSiteLinkConnection.

SYNTAX

```

New-AzVpnGatewayNatRule [-AsJob] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -ExternalMapping
<System.String[]> [-ExternalPortRange <System.String[]>] -InternalMapping <System.String[]> [-InternalPortRange
<System.String[]>] [-IpConfigurationId
<System.String>] [-Mode {EgressSnat | IngressSnat}] -Name <System.String> -ParentObject
<Microsoft.Azure.Commands.Network.Models.PSVpnGateway> [-Type {Static |
Dynamic}] [-Confirm] [-WhatIf] [<CommonParameters>]

```

```
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -ExternalMapping
    <System.String[]> [-ExternalPortRange <System.String[]>] -InternalMapping <System.String[]> [-InternalPortRange
<System.String[]>] [-IpConfigurationId
    <System.String>] [-Mode {EgressSnat | IngressSnat}] -Name <System.String> -ParentResourceId <System.String>
[-Type {Static | Dynamic}] [-Confirm] [-WhatIf]
[<CommonParameters>]
```

```
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -ExternalMapping
    <System.String[]> [-ExternalPortRange <System.String[]>] -InternalMapping <System.String[]> [-InternalPortRange
<System.String[]>] [-IpConfigurationId
    <System.String>] [-Mode {EgressSnat | IngressSnat}] -Name <System.String> -ParentResourceName <System.String>
-ResourceGroupName <System.String> [-Type {Static |
    Dynamic}] [-Confirm] [-WhatIf] [<CommonParameters>]
```

DESCRIPTION

Creates a NAT rule on a VpnGateway which can be associated with VpnGateway.

PARAMETERS

-AsJob <System.Management.Automation.SwitchParameter>

Run cmdlet in the background

Required? false

Position? named

Default value False

Accept pipeline input? False

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

-ExternalMapping <System.String[]>

The list of private IP address subnet external mappings for NAT

Required? true
Position? named
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-ExternalPortRange <System.String[]>

The list of external port range mappings for NAT subnets

Required? false
Position? named
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-InternalMapping <System.String[]>

The list of private IP address subnet internal mappings for NAT

Required? true
Position? named
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-InternalPortRange <System.String[]>

The list of internal port range mappings for NAT subnets

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-IpConfigurationId <System.String>

The IP Configuration ID this NAT rule applies to

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Mode <System.String>

The Source NAT direction of a VPN NAT

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Name <System.String>

The resource name.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ParentObject <Microsoft.Azure.Commands.Network.Models.PSVpnGateway>

The parent VpnGateway for this NAT Rule.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-ParentResourceId <System.String>

The resource id of the parent VpnGateway for this NAT Rule.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-ParentResourceName <System.String>

The resource group name.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ResourceGroupName <System.String>

The resource group name.

Required? true
Position? named
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-Type <System.String>

The type of NAT rule for VPN NAT

Required? false
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

Microsoft.Azure.Commands.Network.Models.PSVpnGateway

System.String

OUTPUTS

Microsoft.Azure.Commands.Network.Models.PSVpnGatewayNatRule

NOTES

----- Example 1 -----

New-AzResourceGroup -Location "West US" -Name "testRG"

\$virtualWan = New-AzVirtualWan -ResourceGroupName testRG -Name myVirtualWAN -Location "West US"

\$virtualHub = New-AzVirtualHub -VirtualWan \$virtualWan -ResourceGroupName "testRG" -Name "westushub"
-AddressPrefix "10.0.0.1/24"

New-AzVpnGateway -ResourceGroupName "testRG" -Name "testvpngw" -VirtualHubId \$virtualHub.Id
-VpnGatewayScaleUnit 2

```
$vpnGateway = Get-AzVpnGateway -ResourceGroupName "testRG" -Name "testvpngw"
```

```
New-AzVpnGatewayNatRule -ResourceGroupName $vpnGateway.ResourceGroupName -ParentResourceName  
$vpnGateway.Name -Name "testNatRule" -Type Static -Mode EgressSnat
```

```
-InternalMapping "10.0.0.1/26" -ExternalMapping "192.168.0.0/26" -InternalPortRange "100-100" -ExternalPortRange  
"200-200"
```

Type : Static

Mode : EgressSnat

VpnConnectionProtocolType : IKEv2

InternalMappings : 10.0.0.1/26

ExternalMappings : 192.168.0.0/26

InternalPortRange : 100-100

ExternalPortRange : 200-200

IpConfigurationId :

IngressVpnSiteLinkConnections : [Microsoft.Azure.Commands.Network.Models.PSResourceId]

EgressVpnSiteLinkConnections : [Microsoft.Azure.Commands.Network.Models.PSResourceId]

ProvisioningState : Provisioned

Name : ps9709

Etag : W/"4580a2e2-2fab-4cff-88eb-92013a76b5a8"

Id :

/subscriptions/{subscriptionId}/resourceGroups/testRg/providers/Microsoft.Network/vpnGateways/testvpngw/natRules/testNatRule

The above will create a resource group, Virtual WAN, Virtual Network, Virtual Hub. Then, we will create VpnGateway under that Virtual Hub. Then, using this command:

New-AzVpnGatewayNatRule, NAT rule can be created and associated with created VpnGateway.

RELATED LINKS

Online Version: <https://learn.microsoft.com/powershell/module/az.network/new-azvpngatewaynatrule>

