



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

PS:\>Get-HELP Get-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

Get-AzVpnGatewayNatRule

SYNOPSIS

Gets a NAT rule associated with VpnGateway.

SYNTAX

```
Get-AzVpnGatewayNatRule [-DefaultProfile  
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Name  
<System.String>]  
-ParentObject <Microsoft.Azure.Commands.Network.Models.PSVpnGateway> [<CommonParameters>]
```

```
Get-AzVpnGatewayNatRule [-DefaultProfile  
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Name  
<System.String>]
```

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-ParentResourceId <System.String> [<CommonParameters>]

Get-AzVpnGatewayNatRule

[-DefaultProfile

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]

[-Name

<System.String>]

-ParentResourceName <System.String> -ResourceGroupName <System.String> [<CommonParameters>]

DESCRIPTION

Gets a NAT rule associated with VpnGateway.

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>

The resource name.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? true

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

The parent VpnGateway for this VpnGatewayNatRule.

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 VpnGatewayNatRule.

Required? true
Position? named
Default value None
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-ParentResourceName <System.String>

The parent resource 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

<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 -----

```
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"

Get-AzVpnGatewayNatRule -ResourceGroupName $vpnGateway.ResourceGroupName -ParentResourceName
$vpnGateway.Name -Name "testNatRule"
```

```
Type           : Static
Mode           : EgressSnat
VpnConnectionProtocolType : IKEv2
InternalMappings      : 10.0.0.1/26
ExternalMappings     : 192.168.0.0/26
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 and VpnGateway & a NAT rule associated with Vpngateway. Then it gets the NAT rule using the NAT rule name.

RELATED LINKS

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