



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

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

SYNOPSIS

Creates the virtual network gateway natRule object.

SYNTAX

```
New-AzVirtualNetworkGatewayNatRule [-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> -Type {Static | Dynamic}
[-Confirm] [-WhatIf] [<CommonParameters>]
```

DESCRIPTION

New-AzVirtualNetworkGatewayNatRule cmdlet creates a PSVirtualNetworkGatewayNatRule object which represents natRules property in your virtual network gateway.

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? true

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

-Type <System.String>

The type of NAT rule for VPN NAT

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.PSVirtualNetworkGatewayNatRule

NOTES

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

```
$gateway = Get-AzVirtualNetworkGateway -ResourceGroupName myRg -Name gw1  
$natRule = New-AzVirtualNetworkGatewayNatRule -Name "natRule1" -Type "Static" -Mode "IngressSnat"  
-InternalMapping @("25.0.0.0/16") -ExternalMapping @("30.0.0.0/16")  
-InternalPortRange @("100-100") -ExternalPortRange @("200-200")  
Set-AzVirtualNetworkGateway -VirtualNetworkGateway $gateway -NatRule $natRule
```

The first command gets a virtual network gateway named gw1 that belongs to resource group myRg and stores it to the variable named \$gateway. The second command creates a new PSVirtualNetworkGatewayNatRule object. The third command updates the virtual network gateway gw1 with the with newly added natRule.

RELATED LINKS

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

Get-AzVirtualNetworkGatewayNatRule

Remove-AzVirtualNetworkGatewayNatRule

Update-AzVirtualNetworkGatewayNatRule