



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

PS:\>Get-HELP Update-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

Update-AzVirtualNetworkGatewayNatRule

SYNOPSIS

Updates a Virtual Network Gateway NatRule.

SYNTAX

```

Update-AzVirtualNetworkGatewayNatRule [-AsJob] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-ExternalMapping <System.String[]>] [-ExternalPortRange <System.String[]>] -InputObject
<Microsoft.Azure.Commands.Network.Models.PSVirtualNetworkGatewayNatRule>
[-InternalMapping <System.String[]>] [-InternalPortRange <System.String[]>] [-IpConfigurationId <System.String>]
[-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>] -Name <System.String> -ParentResourceName <System.String>
-ResourceGroupName <System.String> [-Confirm] [-WhatIf]
[<CommonParameters>]

```

Update-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>] -ResourceId <System.String> [-Confirm] [-WhatIf] [<CommonParameters>]

```

DESCRIPTION

Update-AzVirtualNetworkGatewayNatRule cmdlet sets or updates a virtual network gateway nat rule.

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? false
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

-InputObject <Microsoft.Azure.Commands.Network.Models.PSVirtualNetworkGatewayNatRule>

The VirtualNetworkGatewayNatRule object to update.

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

-InternalMapping <System.String[]>

The list of private IP address subnet internal mappings for NAT

Required? false
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

-Name <System.String>

The resource name.

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

-ResourceId <System.String>

The resource id of the VirtualNetworkGatewayNatRule object to update.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

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

System.String

Microsoft.Azure.Commands.Network.Models.PSVirtualNetworkGatewayNatRule

OUTPUTS

Microsoft.Azure.Commands.Network.Models.PSVirtualNetworkGatewayNatRule

----- Example 1: -----

```
$natRule1 = Get-AzVirtualNetworkGatewayNatRule -ResourceGroupName "rg1" -Name "natRule1"
-ParentResourceName "gw1"
```

```
Update-AzVirtualNetworkGatewayNatRule -InputObject $natRule1 -ExternalMapping @("30.0.0.0/16") -InternalMapping
@("25.0.0.0/16") -IpConfigurationId
```

```
"/subscriptions/7afd8f92-c220-4f53-886e-1df53a69afd4/resourceGroups/rg1/providers/Microsoft.Network/virtualNetworkGateways/gw1/ipConfigurations/default"
```

Name : natRule1

ProvisioningState : Succeeded

Type : Static

Mode : IngressSnat

InternalMappings : [

```
{
  "AddressSpace": "25.0.0.0/16"
}
]
```

ExternalMappings : [

```
{
  "AddressSpace": "30.0.0.0/16"
}
]
```

IpConfigurationId :

```
/subscriptions/7afd8f92-c220-4f53-886e-1df53a69afd4/resourceGroups/rg1/providers/Microsoft.Network/virtualNetworkGateways/gw1/ipConfigurations/default
```

/subscriptions/7afd8f92-c220-4f53-886e-1df53a69afd4/resourceGroups/rg1/providers/Microsoft.Network/virtualNetworkGateways/gw1/natRules/natRule1

Etag : W/"5150d788-e165-42ba-99c4-8138a545fce9"

RELATED LINKS

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

[Get-AzVirtualNetworkGatewayNatRule](#)

[Remove-AzVirtualNetworkGatewayNatRule](#)

[New-AzVirtualNetworkGatewayNatRule](#)