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### ***Windows PowerShell Get-Help on Cmdlet 'Remove-NetNatStaticMapping'***

**PS:\>Get-HELP Remove-NetNatStaticMapping -Full**

#### **NAME**

Remove-NetNatStaticMapping

#### **SYNOPSIS**

Removes static mappings from a NAT instance.

#### **SYNTAX**

```
Remove-NetNatStaticMapping [-AsJob] [-CimSession <CimSession[]>] [-Confirm] -InputObject <CimInstance[]>
[-PassThru] [-ThrottleLimit <Int32>] [-WhatIf]
[<CommonParameters>]
```

```
Remove-NetNatStaticMapping [[-NatName] <String[]>] [-AsJob] [-CimSession <CimSession[]>] [-Confirm] [-PassThru]
[-StaticMappingID <UInt32[]>] [-ThrottleLimit <Int32>]
[-WhatIf] [<CommonParameters>]
```

#### **DESCRIPTION**

The Remove-NetNatStaticMapping cmdlet removes one or more static mappings configured on network address translation (NAT) instances. A static mapping enables an

incoming connection from an external network to an internal network through the NAT.

## PARAMETERS

### -AsJob [<SwitchParameter>]

Runs the cmdlet as a background job. Use this parameter to run commands that take a long time to complete.

The cmdlet immediately returns an object that represents the job and then displays the command prompt. You can continue to work in the session while the job

completes. To manage the job, use the `\*-Job` cmdlets. To get the job results, use the Receive-Job (<https://go.microsoft.com/fwlink/?LinkId=113372>) cmdlet.

For more information about Windows PowerShell background jobs, see [about\\_Jobs](#) (<https://go.microsoft.com/fwlink/?LinkId=113251>).

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

### -CimSession <CimSession[]>

Runs the cmdlet in a remote session or on a remote computer. Enter a computer name or a session object, such as the output of a New-CimSession

(<https://go.microsoft.com/fwlink/p/?LinkId=227967>) or

[Get-CimSession] (<https://go.microsoft.com/fwlink/p/?LinkId=227966>) cmdlet. The default is the current session

on the local computer.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

**-Confirm [<SwitchParameter>]**

Prompts you for confirmation before running the cmdlet.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

**-InputObject <CimInstance[]>**

Specifies the input to this cmdlet. You can use this parameter, or you can pipe the input to this cmdlet.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

**-NatName <String[]>**

Specifies an array of names of NAT instances.

Required? false

Position? 0

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

**-PassThru [<SwitchParameter>]**

Returns an object representing the item with which you are working. By default, this cmdlet does not generate any output.

Required? false

Position? named  
Default value False  
Accept pipeline input? False  
Accept wildcard characters? false

-StaticMappingID <UInt32[]>

Specifies an array of static mapping IDs.

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

-ThrottleLimit <Int32>

Specifies the maximum number of concurrent operations that can be established to run the cmdlet. If this parameter is omitted or a value of `0` is entered, then

Windows PowerShell calculates an optimum throttle limit for the cmdlet based on the number of CIM cmdlets that are running on the computer. The throttle limit

applies only to the current cmdlet, not to the session or to the computer.

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

-WhatIf [<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.Management.Infrastructure.CimInstance#ROOT/StandardCimv2/MSFT\_NetNatStaticMapping

#### NOTES

-- Example 1: Remove all static mappings from a NAT instance --

```
PS C:\> Remove-NetNatStaticMapping
```

This command removes all static mapping of NAT instances configured on the local computer.

#### RELATED LINKS

Online

Version:

<https://learn.microsoft.com/powershell/module/netnat/remove-netnatstaticmapping?view=windowsserver2022-ps&Page=5/6>

ps-gethelp

Add-NetNatStaticMapping

Get-NetNatStaticMapping