



python



PowerShell

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### ***PowerShell Get-Help on command 'Get-NetNatStaticMapping'***

***PS C:\Users\wahid> Get-Help Get-NetNatStaticMapping***

#### NAME

Get-NetNatStaticMapping

#### SYNOPSIS

Gets static mappings configured on NAT instances.

#### SYNTAX

```
Get-NetNatStaticMapping [[-NatName] <String[]>] [-AsJob] [-CimSession  
<CimSession[]>] [-ThrottleLimit <Int32>] [<CommonParameters>]
```

#### DESCRIPTION

The Get-NetNatMapping cmdlet gets 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>).

#### `-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.

#### `-NatName <String[]>`

Specifies an array of names of NAT instances.

#### `-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.

#### `<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>).

----- Example 1: Get static mappings of NAT instances -----

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

This command gets all static mappings of NAT instances configured on the local computer.

#### REMARKS

To see the examples, type: "get-help Get-NetNatStaticMapping -examples".

For more information, type: "get-help Get-NetNatStaticMapping -detailed".

For technical information, type: "get-help Get-NetNatStaticMapping -full".

For online help, type: "get-help Get-NetNatStaticMapping -online"