



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

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

SYNOPSIS

Create new Nat Gateway resource with properties Public Ip Address/Public Ip Prefix, IdleTimeoutInMinutes and Sku.

SYNTAX

```

New-AzNatGateway [-AsJob] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Force]
[-IdleTimeoutInMinutes
<System.Int32>] [-Location <System.String>] -Name <System.String> [-PublicIpAddress
<Microsoft.Azure.Commands.Network.Models.PSResourceId[]>] [-PublicIpPrefix
<Microsoft.Azure.Commands.Network.Models.PSResourceId[]>] -ResourceGroupName <System.String> [-Sku
<System.String>] [-Tag <System.Collections.Hashtable>] [-Zone
<System.String[]>] [-Confirm] [-WhatIf] [<CommonParameters>]

```

DESCRIPTION

The New-AzNatGateway cmdlet creates a Nat Gateway Resource. A natgateway requires the following: - Public Ip Address and/or Public Ip Prefix

- IdleTimeoutInMinutes

- Sku

- ResourceGroupName

- ResourceName

- Location

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

-Force <System.Management.Automation.SwitchParameter>

Do not ask for confirmation if you want to overwrite a resource

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-IdleTimeoutInMinutes <System.Int32>

The idle timeout of the nat gateway.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Location <System.String>

The location.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Name <System.String>

The name of the nat gateway.

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

-PublicIpAddress <Microsoft.Azure.Commands.Network.Models.PSResourceId[]>

An array of public ip addresses associated with the nat gateway resource.

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

-PublicIpPrefix <Microsoft.Azure.Commands.Network.Models.PSResourceId[]>

An array of public ip prefixes associated with the nat gateway resource.

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

-ResourceGroupName <System.String>

The resource group name of the nat gateway.

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

-Sku <System.String>

Name of a NAT gateway SKU.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Tag <System.Collections.Hashtable>

A hashtable which represents resource tags.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Zone <System.String[]>

A list of availability zones denoting the zone in which Nat Gateway should be deployed.

Required? false

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

System.String

System.Int32

System.Collections.Hashtable

Microsoft.Azure.Commands.Network.Models.PSResourceId[]

OUTPUTS

NOTES

----- Example 1: Create Nat Gateway with Public Ip Address -----

```
$pip = New-AzPublicIpAddress -Name "pip" -ResourceGroupName "natgateway_test" -Location "eastus2" -Sku  
"Standard" -IdleTimeoutInMinutes 4 -AllocationMethod "static"  
$natgateway = New-AzNatGateway -ResourceGroupName "natgateway_test" -Name "nat_gateway"  
-IdleTimeoutInMinutes 4 -Sku "Standard" -Location "eastus2" -PublicIpAddress  
$pip
```

----- Example 2: Create Nat Gateway with Public Ip Prefix -----

```
$publicipprefix = New-AzPublicIpPrefix -Name "prefix2" -ResourceGroupName "natgateway_test" -Location "eastus2"  
-Sku "Standard" -PrefixLength "31"  
$natgateway = New-AzNatGateway -ResourceGroupName "natgateway_test" -Name "nat_gateway"  
-IdleTimeoutInMinutes 4 -Sku "Standard" -Location "eastus2" -PublicIpPrefix  
$publicipprefix
```

Example 3: Create Nat Gateway with Public IP Address in Availability Zone 1

```
$pip = New-AzPublicIpAddress -Name "pip" -ResourceGroupName "natgateway_test" -Location "eastus2" -Sku  
"Standard" -IdleTimeoutInMinutes 4 -AllocationMethod "static"  
  
$natgateway = New-AzNatGateway -ResourceGroupName "natgateway_test" -Name "nat_gateway"  
-IdleTimeoutInMinutes 4 -Sku "Standard" -Location "eastus2" -PublicIpAddress  
$pip -Zone "1"
```

The first command creates standard Public IP Address. The second command creates NAT Gateway with Public IP Address in Availability Zone 1.

RELATED LINKS

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