



## ***Windows PowerShell Get-Help on Cmdlet 'New-AzIpAllocation'***

***PS:\>Get-HELP New-AzIpAllocation -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-AzIpAllocation

### **SYNOPSIS**

Creates an Azure IpAllocation.

### **SYNTAX**

```

New-AzIpAllocation [-AsJob] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Force]
[-IpAllocationTag
<System.Collections.Hashtable>] -IpAllocationType {Hypernet | Undefined} [-IpamAllocationId <System.String>] -Location
<System.String> -Name <System.String> [-Prefix
<System.String>] [-PrefixLength <System.Nullable`1[System.Int32]>] [-PrefixType {IPV4 | IPV6}] -ResourceGroupName
<System.String> [-Tag
<System.Collections.Hashtable>] [-Confirm] [-WhatIf] [<CommonParameters>]
```

## DESCRIPTION

The New-AzIpAllocation cmdlet creates an Azure IpAllocation

## 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 override a resource

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-IpAllocationTag <System.Collections.Hashtable>

The allocation tags of the IP allocation

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-IpAllocationType <System.String>

The type of the IP allocation

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-IpamAllocationId <System.String>

The ipam allocation ID of the IP allocation

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Location <System.String>

location.

Required? true

Position? named

Default value            None

Accept pipeline input?    True (ByPropertyName)

Accept wildcard characters? false

-Name <System.String>

The resource name.

Required?                true

Position?                named

Default value            None

Accept pipeline input?    True (ByPropertyName)

Accept wildcard characters? false

-Prefix <System.String>

The prefix of the IP allocation

Required?                false

Position?                named

Default value            None

Accept pipeline input?    True (ByPropertyName)

Accept wildcard characters? false

-PrefixLength <System.Nullable`1[System.Int32]>

The prefix length of the IP allocation

Required?                false

Position?                named

Default value            None

Accept pipeline input?    True (ByPropertyName)

Accept wildcard characters? false

-PrefixType <System.String>

The prefix type of the IP allocation

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

**-ResourceGroupName <System.String>**

The resource group name.

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

**-Tag <System.Collections.Hashtable>**

A hashtable which represents resource tags.

Required? false  
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

System.Nullable`1[[System.Int32, mscorlib, Version=4.0.0.0, Culture=neutral, PublicKeyToken=b77a5c561934e089]]

System.Collections.Hashtable

## OUTPUTS

Microsoft.Azure.Commands.Network.Models.PSipAllocation

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

```
New-AzIpAllocation -ResourceName 'TestIpAllocation' -ResourceGroupName 'TestResourcegroupName' -Location  
'eastus' -IpAllocationType 'Hypernet' -Prefix '1.2.3.4/32'  
-IpAllocationTag @{"VnetId"="vnet1"}
```

----- Example 2 -----

```
New-AzIpAllocation -ResourceName 'TestIpAllocation' -ResourceGroupName 'TestResourcegroupName' -Location  
'eastus' -IpAllocationType 'Hypernet' -PrefixLength 32  
-PrefixType 'ipv4' -IpAllocationTag @{"VnetId"="vnet1"}
```

## RELATED LINKS

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