



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

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

SYNOPSIS

Creates a bastion resource.

SYNTAX

```

New-AzBastion [-AsJob] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-DisableCopyPaste
<System.Nullable`1[System.Boolean]>] [-EnableIpConnect <System.Nullable`1[System.Boolean]>] [-EnableKerberos
<System.Nullable`1[System.Boolean]>]
[-EnableShareableLink <System.Nullable`1[System.Boolean]>] [-EnableTunneling
<System.Nullable`1[System.Boolean]>] -Name <System.String> -PublicIpAddress
<Microsoft.Azure.Commands.Network.Models.PSPublicIpAddress> -ResourceGroupName <System.String> [-ScaleUnit
<System.Nullable`1[System.Int32]>] [-Sku {Basic |

```

```

Standard}} [-Tag <System.Collections.Hashtable>] -VirtualNetwork
<Microsoft.Azure.Commands.Network.Models.PSVirtualNetwork> [-Confirm] [-WhatIf] [<CommonParameters>]

New-AzBastion [-AsJob] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-DisableCopyPaste
<System.Nullable`1[System.Boolean]>] [-EnableIpConnect <System.Nullable`1[System.Boolean]>] [-EnableKerberos
<System.Nullable`1[System.Boolean]>]
[-EnableShareableLink <System.Nullable`1[System.Boolean]>] [-EnableTunneling
<System.Nullable`1[System.Boolean]>] -Name <System.String> -PublicIpAddress
<Microsoft.Azure.Commands.Network.Models.PSPublicIpAddress> -ResourceGroupName <System.String> [-ScaleUnit
<System.Nullable`1[System.Int32]>] [-Sku {Basic |
Standard}}] [-Tag <System.Collections.Hashtable>] -VirtualNetworkName <System.String> -VirtualNetworkRgName
<System.String> [-Confirm] [-WhatIf] [<CommonParameters>]

New-AzBastion [-AsJob] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-DisableCopyPaste
<System.Nullable`1[System.Boolean]>] [-EnableIpConnect <System.Nullable`1[System.Boolean]>] [-EnableKerberos
<System.Nullable`1[System.Boolean]>]
[-EnableShareableLink <System.Nullable`1[System.Boolean]>] [-EnableTunneling
<System.Nullable`1[System.Boolean]>] -Name <System.String> -PublicIpAddress
<Microsoft.Azure.Commands.Network.Models.PSPublicIpAddress> -ResourceGroupName <System.String> [-ScaleUnit
<System.Nullable`1[System.Int32]>] [-Sku {Basic |
Standard}}] [-Tag <System.Collections.Hashtable>] -VirtualNetworkId <System.String> [-Confirm] [-WhatIf]
[<CommonParameters>]

New-AzBastion [-AsJob] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-DisableCopyPaste
<System.Nullable`1[System.Boolean]>] [-EnableIpConnect <System.Nullable`1[System.Boolean]>] [-EnableKerberos
<System.Nullable`1[System.Boolean]>]
[-EnableShareableLink <System.Nullable`1[System.Boolean]>] [-EnableTunneling
<System.Nullable`1[System.Boolean]>] -Name <System.String> -PublicIpAddressId
<System.String> -ResourceGroupName <System.String> [-ScaleUnit <System.Nullable`1[System.Int32]>] [-Sku {Basic |
Standard}}] [-Tag <System.Collections.Hashtable>]

```

```

-VirtualNetwork <Microsoft.Azure.Commands.Network.Models.PSVirtualNetwork> [-Confirm] [-WhatIf]
[<CommonParameters>]

New-AzBastion [-AsJob] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-DisableCopyPaste
<System.Nullable`1[System.Boolean]>] [-EnableIpConnect <System.Nullable`1[System.Boolean]>] [-EnableKerberos
<System.Nullable`1[System.Boolean]>]
[-EnableShareableLink <System.Nullable`1[System.Boolean]>] [-EnableTunneling
<System.Nullable`1[System.Boolean]>] -Name <System.String> -PublicIpAddressId
<System.String> -ResourceGroupName <System.String> [-ScaleUnit <System.Nullable`1[System.Int32]>] [-Sku {Basic |
Standard}] [-Tag <System.Collections.Hashtable>]
-VirtualNetworkName <System.String> -VirtualNetworkRgName <System.String> [-Confirm] [-WhatIf]
[<CommonParameters>]

New-AzBastion [-AsJob] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-DisableCopyPaste
<System.Nullable`1[System.Boolean]>] [-EnableIpConnect <System.Nullable`1[System.Boolean]>] [-EnableKerberos
<System.Nullable`1[System.Boolean]>]
[-EnableShareableLink <System.Nullable`1[System.Boolean]>] [-EnableTunneling
<System.Nullable`1[System.Boolean]>] -Name <System.String> -PublicIpAddressId
<System.String> -ResourceGroupName <System.String> [-ScaleUnit <System.Nullable`1[System.Int32]>] [-Sku {Basic |
Standard}] [-Tag <System.Collections.Hashtable>]
-VirtualNetworkId <System.String> [-Confirm] [-WhatIf] [<CommonParameters>]

New-AzBastion [-AsJob] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-DisableCopyPaste
<System.Nullable`1[System.Boolean]>] [-EnableIpConnect <System.Nullable`1[System.Boolean]>] [-EnableKerberos
<System.Nullable`1[System.Boolean]>]
[-EnableShareableLink <System.Nullable`1[System.Boolean]>] [-EnableTunneling
<System.Nullable`1[System.Boolean]>] -Name <System.String> -PublicIpAddressName
<System.String> -PublicIpAddressRgName <System.String> -ResourceGroupName <System.String> [-ScaleUnit
<System.Nullable`1[System.Int32]>] [-Sku {Basic | Standard}]
[-Tag <System.Collections.Hashtable>] -VirtualNetwork <Microsoft.Azure.Commands.Network.Models.PSVirtualNetwork>

```

[-Confirm] [-WhatIf] [<CommonParameters>]

New-AzBastion

[-AsJob]

[-DefaultProfile

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-DisableCopyPaste

<System.Nullable`1[System.Boolean]>] [-EnableIpConnect <System.Nullable`1[System.Boolean]>] [-EnableKerberos

<System.Nullable`1[System.Boolean]>]

[-EnableShareableLink

<System.Nullable`1[System.Boolean]>]

[-EnableTunneling

<System.Nullable`1[System.Boolean]>] -Name <System.String> -PublicIpAddressName

<System.String> -PublicIpAddressRgName <System.String> -ResourceGroupName <System.String> [-ScaleUnit

<System.Nullable`1[System.Int32]>] [-Sku {Basic | Standard}]

[-Tag <System.Collections.Hashtable>] -VirtualNetworkName <System.String> -VirtualNetworkRgName <System.String>

[-Confirm] [-WhatIf] [<CommonParameters>]

New-AzBastion

[-AsJob]

[-DefaultProfile

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-DisableCopyPaste

<System.Nullable`1[System.Boolean]>] [-EnableIpConnect <System.Nullable`1[System.Boolean]>] [-EnableKerberos

<System.Nullable`1[System.Boolean]>]

[-EnableShareableLink

<System.Nullable`1[System.Boolean]>]

[-EnableTunneling

<System.Nullable`1[System.Boolean]>] -Name <System.String> -PublicIpAddressName

<System.String> -PublicIpAddressRgName <System.String> -ResourceGroupName <System.String> [-ScaleUnit

<System.Nullable`1[System.Int32]>] [-Sku {Basic | Standard}]

[-Tag <System.Collections.Hashtable>] -VirtualNetworkId <System.String> [-Confirm] [-WhatIf] [<CommonParameters>]

DESCRIPTION

Creates a bastion resource. This will need a Public Ip Address and a VirtualNetwork. There must be a subnet with name AzureBastionSubnet in this VirtualNetwork. The

Public Ip Address must be created with Sku Standard.

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

-DisableCopyPaste <System.Nullable`1[System.Boolean]>

Copy and Paste

Required? false
Position? named
Default value False
Accept pipeline input? True (ByValue)
Accept wildcard characters? false

-EnableIpConnect <System.Nullable`1[System.Boolean]>

IP Connect

Required? false
Position? named
Default value False
Accept pipeline input? True (ByValue)
Accept wildcard characters? false

-EnableKerberos <System.Nullable`1[System.Boolean]>

Kerberos

Required? false

Position? named

Default value False

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-EnableShareableLink <System.Nullable`1[System.Boolean]>

Shareable Link

Required? false

Position? named

Default value False

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-EnableTunneling <System.Nullable`1[System.Boolean]>

Native Client

Required? false

Position? named

Default value False

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-Name <System.String>

The bastion resource name.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-PublicIpAddress <Microsoft.Azure.Commands.Network.Models.PSPublicIpAddress>

The public IP address object for bastion.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-PublicIpAddressId <System.String>

The public Ip address Azure resource Id for bastion.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-PublicIpAddressName <System.String>

The public Ip address resource name for bastion.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-PublicIpAddressRgName <System.String>

The public Ip address resource group name for bastion.

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

-ResourceGroupName <System.String>

The resource group name where you need to create bastion.

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

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

The Scale Units for BastionHost

Required? false
Position? named
Default value 2
Accept pipeline input? True (ByValue)
Accept wildcard characters? false

-Sku <System.String>

The Bastion Sku Tier

Required? false
Position? named
Default value Basic
Accept pipeline input? True (ByValue)
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

-VirtualNetwork <Microsoft.Azure.Commands.Network.Models.PSVirtualNetwork>

The virtual network object for bastion.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-VirtualNetworkId <System.String>

The virtual network Azure resource Id for bastion.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-VirtualNetworkName <System.String>

The virtual network resource name for bastion.

Required? true

Position? named

Default value None
Accept pipeline input? False
Accept wildcard characters? false

-VirtualNetworkRgName <System.String>

The virtual network resource group name for bastion.

Required? true
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.Nullable`1[[System.Int32, System.Private.CoreLib, Version=7.0.0.0, Culture=neutral, PublicKeyToken=7cec85d7bea7798e]]

System.Nullable`1[[System.Boolean, System.Private.CoreLib, Version=7.0.0.0, Culture=neutral, PublicKeyToken=7cec85d7bea7798e]]

OUTPUTS

Microsoft.Azure.Commands.Network.Models.PSBastion

NOTES

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

```
$subnetName = "AzureBastionSubnet"
```

```
$subnet = New-AzVirtualNetworkSubnetConfig -Name $subnetName -AddressPrefix 10.0.0.0/24
```

```
$vnet = New-AzVirtualNetwork -Name "TestVnet" -ResourceGroupName "BastionPowershellTest" -Location  
"westeurope" -AddressPrefix 10.0.0.0/16 -Subnet $subnet
```

```
$publicip = New-AzPublicIpAddress -ResourceGroupName "BastionPowershellTest" -Name "Test-Ip" -location  
"westeurope" -AllocationMethod Dynamic -Sku Standard
```

```
$bastion = New-AzBastion -ResourceGroupName "BastionPowershellTest" -Name "test-Bastion2" -PublicIpAddress  
$publicip -VirtualNetwork $vnet
```

```
IpConfigurations : {IpConf}  
DnsName           : bst-a9ca868f-ddab-4a50-9f45-a443ea8a0187.bastion.azure.com  
ProvisioningState : Succeeded  
IpConfigurationsText : [  
    {  
        "Subnet": {  
            "Id":  
"/subscriptions/359a08a9-ff1b-463c-92d7-6df8d946f25c/resourceGroups/BastionPowershellTest/providers/Microsoft.Network  
k/virtualNetwork  
s/TestVnet/subnets/AzureBastionSubnet"  
        },  
        "PublicIpAddress": {  
            "Id":  
"/subscriptions/359a08a9-ff1b-463c-92d7-6df8d946f25c/resourceGroups/BastionPowershellTest/providers/Microsoft.Network  
k/publicIPAddresses/Test-Ip"  
        },  
        "ProvisioningState": "Succeeded",  
        "PrivateIpAllocationMethod": "Dynamic",  
        "Name": "IpConf",  
        "Etag": "W/\"ed810ccd-b3f6-4e22-891e-b0ed0a26d6dd\"",  
        "Id":  
"/subscriptions/359a08a9-ff1b-463c-92d7-6df8d946f25c/resourceGroups/BastionPowershellTest/providers/Microsoft.Network  
k/bastionHosts/tes  
t-Bastion2/bastionHostIpConfigurations/IpConf"  
    }  
]  
ResourceGroupName : BastionPowershellTest
```

```

Location      : westeurope
ResourceGuid   :
Type           : Microsoft.Network/bastionHosts
Tag            :
TagsTable      :
Name           : test-Bastion2
Etag           : W/"ed810ccd-b3f6-4e22-891e-b0ed0a26d6dd"
              Id                                     :
/subscriptions/359a08a9-ff1b-463c-92d7-6df8d946f25c/resourceGroups/BastionPowershellTest/providers/Microsoft.Network
/bastionHosts/test-Bastion2
Sku            : {
                "Name": "Basic"
              }
Scale Units     : 2

```

This example creates a bastion attached to virtual network "vnet" in the same resource group as the bastion. There must be a subnet with name AzureBastionSubnet in this vnet. The Ip Address must be created with Sku Standard.

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

```

$vnnet = Get-AzVirtualNetwork -ResourceGroupName "BastionPowershellTest" -Name "testVnet2"
Add-AzVirtualNetworkSubnetConfig -Name "AzureBastionSubnet" -VirtualNetwork $vnnet -AddressPrefix "10.0.0.0/24"
$vnnet| Set-AzVirtualNetwork

New-AzBastion -ResourceGroupName "BastionPowershellTest" -Name "testBastion2" -PublicIpAddressRgName
"BastionPowershellTest" -PublicIpAddressName "testIp2"
-VirtualNetworkRgName "BastionPowershellTest" -VirtualNetworkName "testVnet2"

IpConfigurations : {IpConf}
DnsName           : bst-53757658-c4fd-4908-b1a7-0849e555d489.bastion.azure.com
ProvisioningState  : Succeeded
IpConfigurationsText : [

```

```

{
  "Name": "IpConf",
  "Etag": "W/\"7460e5f6-ad41-438b-a595-a63346ed8f16\"",
  "Id":
"/subscriptions/359a08a9-ff1b-463c-92d7-6df8d946f25c/resourceGroups/BastionPowershellTest/providers/Microsoft.Network/bastionHosts/testBastion2/bastionHostIpConfigurations/IpConf",
  "Subnet": {
    "Id":
"/subscriptions/359a08a9-ff1b-463c-92d7-6df8d946f25c/resourceGroups/BastionPowershellTest/providers/Microsoft.Network/virtualNetworks/testVnet2/subnets/AzureBastionSubnet"
  },
  "PublicIpAddress": {
    "Id":
"/subscriptions/359a08a9-ff1b-463c-92d7-6df8d946f25c/resourceGroups/BastionPowershellTest/providers/Microsoft.Network/publicIPAddresses/testIp2"
  },
  "ProvisioningState": "Succeeded",
  "PrivateIpAllocationMethod": "Dynamic"
}
]

ResourceGroupName : BastionPowershellTest
Location           : westeurope
ResourceGuid       :
Type               : Microsoft.Network/bastionHosts
Tag                :
TagsTable          :
Name               : testBastion2
Etag               : W/\"7460e5f6-ad41-438b-a595-a63346ed8f16"
Id                :
/subscriptions/359a08a9-ff1b-463c-92d7-6df8d946f25c/resourceGroups/BastionPowershellTest/providers/Microsoft.Network

```

/bastionHosts/testBastion2

```
Sku      : {  
          "Name": "Basic"  
        }  
Scale Units : 2
```

----- Example 3 -----

```
$vnet = Get-AzVirtualNetwork -ResourceGroupName "BastionPowershellTest" -Name "testVnet2"
```

```
Add-AzVirtualNetworkSubnetConfig -Name "AzureBastionSubnet" -VirtualNetwork $vnet -AddressPrefix "10.0.0.0/24"
```

```
$vnet| Set-AzVirtualNetwork
```

```
New-AzBastion -ResourceGroupName "BastionPowershellTest" -Name "testBastion2" -PublicIpAddressRgName  
"BastionPowershellTest" -PublicIpAddressName "testIp2"  
-VirtualNetworkRgName "BastionPowershellTest" -VirtualNetworkName "testVnet2" -Sku "Standard" -ScaleUnit 3
```

```
IpConfigurations : {IpConf}
```

```
DnsName : bst-53757658-c4fd-4908-b1a7-0849e555d489.bastion.azure.com
```

```
ProvisioningState : Succeeded
```

```
IpConfigurationsText : [  
    {  
        "Name": "IpConf",  
        "Etag": "W/\"7460e5f6-ad41-438b-a595-a63346ed8f16\"",  
        "Id":  
"/subscriptions/359a08a9-ff1b-463c-92d7-6df8d946f25c/resourceGroups/BastionPowershellTest/providers/Microsoft.Network/  
k/bastionHosts/tes  
tBastion2/bastionHostIpConfigurations/IpConf",  
        "Subnet": {  
        "Id":  
"/subscriptions/359a08a9-ff1b-463c-92d7-6df8d946f25c/resourceGroups/BastionPowershellTest/providers/Microsoft.Network/  
k/virtualNetwork
```

```
s/testVnet2/subnets/AzureBastionSubnet"
```

```
},
```

```
"PublicIpAddress": {
```

```
  "Id":
```

```
"/subscriptions/359a08a9-ff1b-463c-92d7-6df8d946f25c/resourceGroups/BastionPowershellTest/providers/Microsoft.Network/publicIPAddresses/testIp2"
```

```
},
```

```
"ProvisioningState": "Succeeded",
```

```
"PrivateIpAllocationMethod": "Dynamic"
```

```
}
```

```
]
```

ResourceGroupName : BastionPowershellTest

Location : westeurope

ResourceGuid :

Type : Microsoft.Network/bastionHosts

Tag :

TagsTable :

Name : testBastion2

Etag : W/"7460e5f6-ad41-438b-a595-a63346ed8f16"

Id :

```
/subscriptions/359a08a9-ff1b-463c-92d7-6df8d946f25c/resourceGroups/BastionPowershellTest/providers/Microsoft.Network/bastionHosts/testBastion2
```

```
Sku : {
```

```
  "Name": "Standard"
```

```
}
```

Scale Units : 3

This example creates a BastionHost resource with Standard Sku and 3 Scale Units.

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

Get-AzBastion

Remove-AzBastion

Set-AzBastion