



Windows PowerShell Get-Help on Cmdlet 'Test-AzPrivateIpAddressAvailability'

PS: \> Get-HELP Test-AzPrivateIpAddressAvailability -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

Test-AzPrivateIpAddressAvailability

SYNOPSIS

Test availability of a private IP address in a virtual network.

SYNTAX

```

Test-AzPrivateIpAddressAvailability [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -IPAddress
    <System.String> -ResourceGroupName <System.String> -VirtualNetworkName <System.String>
[<CommonParameters>]

```

```

Test-AzPrivateIpAddressAvailability [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -IPAddress
    <System.String> -VirtualNetwork <Microsoft.Azure.Commands.Network.Models.PSVirtualNetwork>

```

DESCRIPTION

The Test-AzPrivateIPAddressAvailability cmdlet tests whether a specified private IP address is available in a virtual network. This cmdlet returns a list of available private IP addresses if the requested private IP address is taken.

PARAMETERS

-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

-IPAddress <System.String>

Specifies the IP address to test.

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

-ResourceGroupName <System.String>

Specifies the name of the resource group for the virtual network.

Required?	true
Position?	named

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

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

Specifies a PSVirtualNetwork object.

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

-VirtualNetworkName <System.String>

Specifies the name of the virtual network.

Required? true
Position? named
Default value None
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

Microsoft.Azure.Commands.Network.Models.PSVirtualNetwork

OUTPUTS

Microsoft.Azure.Commands.Network.Models.PSIPAddressAvailabilityResult

NOTES

Example 1: Test whether an IP address is available using the pipeline

```
Get-AzVirtualNetwork -Name $vnetName -ResourceGroupName $rgname | Test-AzPrivateIPAddressAvailability  
-IPAddress "10.0.1.10"
```

This command gets a virtual network and uses the pipeline operator to pass it to Test-AzPrivateIPAddressAvailability , which tests whether the specified private IP address is available.

RELATED LINKS

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

Get-AzVirtualNetwork