



## ***Windows PowerShell Get-Help on Cmdlet 'Set-AzNetworkInterfacelpConfig'***

***PS:\>Get-HELP Set-AzNetworkInterfacelpConfig -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**

Set-AzNetworkInterfacelpConfig

### **SYNOPSIS**

Updates an IP configuration for a network interface.

### **SYNTAX**

```

Set-AzNetworkInterfacelpConfig [-ApplicationGatewayBackendAddressPool
<Microsoft.Azure.Commands.Network.Models.PSApplicationGatewayBackendAddressPool[]>
[-ApplicationSecurityGroup <Microsoft.Azure.Commands.Network.Models.PSApplicationSecurityGroup[]>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-GatewayLoadBalancerId <System.String>] [-LoadBalancerBackendAddressPool
<Microsoft.Azure.Commands.Network.Models.PSBackendAddressPool[]>] [-LoadBalancerInboundNatRule
<Microsoft.Azure.Commands.Network.Models.PSInboundNatRule[]>] -Name

```

```

    <System.String> -NetworkInterface <Microsoft.Azure.Commands.Network.Models.PSNetworkInterface> [-Primary]
[-PrivateIpAddress <System.String>]
    [-PrivateIpAddressVersion {IPv4 | IPv6}] [-PublicIpAddress
<Microsoft.Azure.Commands.Network.Models.PSPublicIpAddress>] [-Subnet
<Microsoft.Azure.Commands.Network.Models.PSSubnet>] [<CommonParameters>]

Set-AzNetworkInterfaceIpConfig [-ApplicationGatewayBackendAddressPoolId <System.String[]>]
[-ApplicationSecurityGroupId <System.String[]>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-LoadBalancerBackendAddressPoolId <System.String[]>]
    [-LoadBalancerInboundNatRuleId <System.String[]>] -Name <System.String> -NetworkInterface
<Microsoft.Azure.Commands.Network.Models.PSNetworkInterface> [-Primary]
    [-PrivateIpAddress <System.String>] [-PrivateIpAddressVersion {IPv4 | IPv6}] [-PublicIpAddressId <System.String>]
[-SubnetId <System.String>] [<CommonParameters>]

```

## DESCRIPTION

The Set-AzNetworkInterfaceIpConfig cmdlet updates an IP configuration for a network interface.

## PARAMETERS

```

    -ApplicationGatewayBackendAddressPool
<Microsoft.Azure.Commands.Network.Models.PSApplicationGatewayBackendAddressPool[]>

```

Specifies a collection of application gateway backend address pool references to which this network interface IP configuration belongs.

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

```

-ApplicationGatewayBackendAddressPoolId <System.String[]>

```

Specifies a collection of application gateway backend address pool references to which this network interface IP configuration belongs.

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

-ApplicationSecurityGroup <Microsoft.Azure.Commands.Network.Models.PSApplicationSecurityGroup[]>

Specifies a collection of application security group references to which this network interface IP configuration belongs.

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

-ApplicationSecurityGroupId <System.String[]>

Specifies a collection of application security group references to which this network interface IP configuration belongs.

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

-GatewayLoadBalancerId <System.String>

Specifies the ID of the Gateway Load Balancer Provider Frontend Ip Configuration.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-LoadBalancerBackendAddressPool <Microsoft.Azure.Commands.Network.Models.PSBackendAddressPool[]>

Specifies a collection of load balancer backend address pool references to which this network interface IP configuration belongs.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-LoadBalancerBackendAddressPoolId <System.String[]>

Specifies a collection of load balancer backend address pool references to which this network interface IP configuration belongs.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-LoadBalancerInboundNatRule <Microsoft.Azure.Commands.Network.Models.PSInboundNatRule[]>

Specifies a collection of load balancer inbound network address translation (NAT) rule references to which this network interface IP configuration belongs.

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

**-LoadBalancerInboundNatRuleId** <System.String[]>

Specifies a collection of load balancer inbound NAT rule references to which this network interface IP configuration belongs.

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

**-Name** <System.String>

Specifies the name of the network IP configuration for which this cmdlet sets.

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

**-NetworkInterface** <Microsoft.Azure.Commands.Network.Models.PSNetworkInterface>

Specifies a NetworkInterface object. This cmdlet adds a network interface IP configuration to the object that this parameter specifies.

|           |      |
|-----------|------|
| Required? | true |
|-----------|------|

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

-Primary <System.Management.Automation.SwitchParameter>

Required?                false  
Position?                named  
Default value            False  
Accept pipeline input?    False  
Accept wildcard characters? false

-PrivateIpAddress <System.String>

Specifies the static IP address of the network interface IP configuration.

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

-PrivateIpAddressVersion <System.String>

Specifies the IP address version of a network interface IP configuration. The acceptable values for this parameter are: -

IPv4

- IPv6

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

Accept wildcard characters? false

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

Specifies a PublicIpAddress object. This cmdlet creates a reference to a public IP Address to associate with this network interface IP configuration.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

**-PublicIpAddressId <System.String>**

This cmdlet creates a reference to a public IP Address to associate with this network interface IP configuration.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

**-Subnet <Microsoft.Azure.Commands.Network.Models.PSSubnet>**

Specifies a Subnet object. This cmdlet creates a reference to a subnet in which this network interface IP configuration is created.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

**-SubnetId <System.String>**

This cmdlet creates a reference to a subnet in which this network interface IP configuration is created.

|                             |       |
|-----------------------------|-------|
| Required?                   | false |
| 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.PSNetworkInterface

System.String[]

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

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

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

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

## OUTPUTS

Microsoft.Azure.Commands.Network.Models.PSNetworkInterface

## NOTES

\* Keywords: azure, azurearm, arm, resource, management, manager, network, networking

----- 1: Changing the IP address of an IP configuration -----

```
$vnet = Get-AzVirtualNetwork -Name myvnet -ResourceGroupName myrg
```

```
$subnet = Get-AzVirtualNetworkSubnetConfig -Name mysubnet -VirtualNetwork $vnet
```

```
$nic = Get-AzNetworkInterface -Name nic1 -ResourceGroupName myrg
```

```
$nic | Set-AzNetworkInterfaceIpConfig -Name ipconfig1 -PrivateIpAddress 10.0.0.11 -Subnet $subnet -Primary
```

```
$nic | Set-AzNetworkInterface
```

The first two commands get a virtual network called myvnet and a subnet called mysubnet and store it in the variables \$vnet and \$subnet respectively. The third

command gets the network interface nic1 associated with the IP configuration that needs to be updated. The third command sets the private IP address of the

primary IP configuration ipconfig1 to 10.0.0.11. Finally, the last command updates the network interface ensuring the changes have been made successfully.

2: Associating an IP configuration with an application security group

```
$vnet = Get-AzVirtualNetwork -Name myvnet -ResourceGroupName myrg
```

```
$subnet = Get-AzVirtualNetworkSubnetConfig -Name mysubnet -VirtualNetwork $vnet
```

```
$asg = Get-AzApplicationSecurityGroup -Name myasg -ResourceGroupName myrg
```

```
$nic = Get-AzNetworkInterface -Name nic1 -ResourceGroupName myrg
```

```
$nic | Set-AzNetworkInterfaceIpConfig -Name ipconfig1 -PrivateIpAddress 10.0.0.11 -Subnet $subnet  
-ApplicationSecurityGroup $asg -Primary
```

```
$nic | Set-AzNetworkInterface
```

In this example, the variable `$asg` contains a reference to an application security group. The fourth command gets the network interface `nic1` associated with the

IP configuration that needs to be updated. The `Set-AzNetworkInterfaceIpConfig` sets the private IP address of the primary IP configuration `ipconfig1` to

10.0.0.11 and creates an association with the retrieved application security group. Finally, the last command updates the network interface ensuring the changes

have been made successfully.

### 3: Disassociating an IP configuration with an application gateway backend address pool

```
$nic = Get-AzNetworkInterface -Name nic1 -ResourceGroupName myrg
```

```
$nic | Set-AzNetworkInterfaceIpConfig -Name ipconfig1 -ApplicationGatewayBackendAddressPool $null
```

```
$nic | Set-AzNetworkInterface
```

The `Set-AzNetworkInterfaceIpConfig` sets the application gateway backend address pool of the IP configuration `ipconfig1` to null and disassociate with the network

interface. Finally, the last command updates the network interface ensuring the changes have been made successfully.

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

Add-AzNetworkInterfaceIpConfig

Get-AzNetworkInterfaceIpConfig

New-AzNetworkInterfaceIpConfig

Remove-AzNetworkInterfaceIpConfig