



Windows PowerShell Get-Help on Cmdlet 'Add-AzNetworkInterfaceIpConfig'

PS: \>Get-HELP Add-AzNetworkInterfaceIpConfig -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

Add-AzNetworkInterfaceIpConfig

SYNOPSIS

Adds a network interface IP configuration to a network interface.

SYNTAX

```

Add-AzNetworkInterfaceIpConfig [-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>]

Add-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 Add-AzNetworkInterfaceIpConfig cmdlet adds a network interface IP configuration to an Azure 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>

The reference of Gateway LoadBalancer Provider resource.

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 interface IP configuration.

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
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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, azurerm, arm, resource, management, manager, network, networking

Example 1: Add a new IP configuration with an application security group

```
$subnet = New-AzVirtualNetworkSubnetConfig -Name MySubnet -AddressPrefix 10.0.1.0/24
```

```
$vnet = New-AzVirtualNetwork -Name MyVNET -ResourceGroupName MyResourceGroup -Location "West US"  
-AddressPrefix 10.0.0.0/16 -Subnet $subnet
```

```
$nic = New-AzNetworkInterface -Name MyNetworkInterface -ResourceGroupName MyResourceGroup -Location "West  
US" -Subnet $vnet.Subnets[0]
```

```
$asg = New-AzApplicationSecurityGroup -ResourceGroupName MyResourceGroup -Name MyASG -Location "West US"
```

```
$nic | Set-AzNetworkInterfaceIpConfig -Name $nic.IpConfigurations[0].Name -Subnet $vnet.Subnets[0]  
-ApplicationSecurityGroup $asg | Set-AzNetworkInterface
```

```
$nic | Add-AzNetworkInterfaceIpConfig -Name MyNewIpConfig -Subnet $vnet.Subnets[0] -ApplicationSecurityGroup $asg  
| Set-AzNetworkInterface
```

In this example, we create a new network interface MyNetworkInterface that belongs to a subnet in the new virtual network MyVNET. We also create an empty application

security group MyASG to associate with the IP configurations in the network interface. Once both objects are created, we link the default IP configuration to the

MyASG object. At last, we create a new IP configuration in the network interface also linked to the application security group object.

RELATED LINKS

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

[Get-AzNetworkInterfaceIpConfig](#)

[New-AzNetworkInterfaceIpConfig](#)

[Remove-AzNetworkInterfaceIpConfig](#)

[Set-AzNetworkInterfaceIpConfig](#)