



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

PS: \>Get-HELP New-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

New-AzNetworkInterfaceIpConfig

SYNOPSIS

Creates a network interface IP configuration.

SYNTAX

```

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

New-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> [-Primary] [-PrivateIpAddress
<System.String>] [-PrivateIpAddressVersion {IPv4 | IPv6}]
    [-PublicIpAddressId <System.String>] [-SubnetId <System.String>] [<CommonParameters>]

```

DESCRIPTION

The New-AzNetworkInterfaceIpConfig cmdlet creates an Azure network interface 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>

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 Nat Rule references to which this network interface IPConfiguration 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 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

-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

-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>

Specifies 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

`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.PSNetworkInterfaceIPConfiguration`

NOTES

* Keywords: azure, azurerm, arm, resource, management, manager, network, networking

Example 1: Create an IP configuration with a public IP address for a network interface

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

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

```
$PIP1 = Get-AzPublicIpAddress -Name "PIP1" -ResourceGroupName "RG1"
```

```
$IPConfig1 = New-AzNetworkInterfaceIpConfig -Name "IPConfig-1" -Subnet $Subnet -PublicIpAddress $PIP1 -Primary
```

```
$nic = New-AzNetworkInterface -Name mynic1 -ResourceGroupName myrg -Location westus -IpConfiguration  
$IpConfig1
```

The first two commands get a virtual network called myvnet and a subnet called mysubnet respectively that were previously created. These are stored in \$vnet and

\$Subnet respectively. The third command gets a previously created public IP address called PIP1. The forth command creates a new IP configuration called

"IPConfig-1" as the primary IP configuration with a public IP address associated with it. The last command then creates a network interface called mynic1

using this IP configuration.

Example 2: Create an IP configuration with a private IP address

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

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

```
$IPConfig2 = New-AzNetworkInterfaceIpConfig -Name "IP-Config2" -Subnet $Subnet -PrivateIpAddress 10.0.0.5
```

```
$nic = New-AzNetworkInterface -Name mynic1 -ResourceGroupName myrg -Location westus -IpConfiguration  
$IpConfig2
```

The first two commands get a virtual network called myvnet and a subnet called mysubnet respectively that were previously created. These are stored in \$vnet and

\$Subnet respectively. The third command creates a new IP configuration called "IPConfig-2" with a private IP address 10.0.0.5 associated with it. The last

command then creates a network interface called mynic1 using this IP configuration.

```
New-AzNetworkInterfaceIpConfig -Name 'IP-Config2' -PrivateIpAddress '10.0.1.10' -PrivateIpAddressVersion IPv4  
-SubnetId <String>
```

RELATED LINKS

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

Add-AzNetworkInterfaceIpConfig

Get-AzNetworkInterfaceIpConfig

Remove-AzNetworkInterfaceIpConfig

Set-AzNetworkInterfaceIpConfig