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

PS:\>Get-HELP New-AzVmssIpConfig -Full

NAME

New-AzVmssIpConfig

SYNOPSIS

Creates an IP configuration for a network interface of a VMSS.

SYNTAX

New-AzVmssIpConfig [[-Name] <System.String>] [[-Id] <System.String>] [[-SubnetId] <System.String>] [[-ApplicationGatewayBackendAddressPoolsId] <System.String[]>] [[-LoadBalancerBackendAddressPoolsId] <System.String[]>] [[-LoadBalancerInboundNatPoolsId] <System.String[]>] [-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-DnsSetting <System.String>] [-IpTag <Microsoft.Azure.Management.Compute.Models.VirtualMachineScaleSetIpTag[]>] [-Primary] [-PrivateIPAddressVersion <System.String>] [-PublicIPAddressConfigurationIdleTimeoutInMinutes <System.Int32>] [-PublicIPAddressConfigurationName <System.String>] [-PublicIPAddressVersion <System.String>] [-PublicIPPrefix <System.String>] [-Confirm] [-WhatIf] [<CommonParameters>]

DESCRIPTION

The New-AzVmssIpConfig cmdlet creates an IP configuration object for a network interface of a Virtual Machine Scale Set (VMSS). Specify the configuration from this

cmdlet as the IPConfiguration parameter of the Add-AzVmssNetworkInterfaceConfiguration cmdlet.

PARAMETERS

-ApplicationGatewayBackendAddressPoolsId <System.String[]>

Specifies an array of references to backend address pools of load balancers. A scale set can reference backend address pools of one public and one internal load

balancer. Multiple scale sets cannot use the same load balancer.

Required? false

Position? 3

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

-DnsSetting <System.String>

The dns settings to be applied on the publicIP addresses. The domain name label of the Dns settings to be applied on the publicIP addresses. The concatenation of

the domain name label and vm index will be the domain name labels of the Public IP Address resources that will be created.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Id <System.String>

Specifies an ID.

Required? false

Position? 1

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-IpTag <Microsoft.Azure.Management.Compute.Models.VirtualMachineScaleSetIpTag[]>

Specifies an array of Ip Tag objects.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-LoadBalancerBackendAddressPoolsId <System.String[]>

Specifies an array of references to incoming network address translation (NAT) pools of the load balancers. A scale set can reference incoming NAT pools of one

public and one internal load balancer. Multiple scale sets cannot use the same load balancer.

Required? false

Position? 4

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-LoadBalancerInboundNatPoolsId <System.String[]>

Specifies an array of references to incoming NAT pools of the load balancers. A scale set can reference incoming NAT pools of one public and one internal load

balancer. Multiple scale sets cannot use the same load balancer.

Required? false

Position? 5

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Name <System.String>

Specifies the name of the IP configuration.

Required? false

Position? 0

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Primary <System.Management.Automation.SwitchParameter>

Specifies the primary IP Configuration in case the network interface has more than one IP Configuration.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-PrivateIPAddressVersion <System.String>

Specify the IP configuration for private IP address. Default is taken as IPv4. Possible values are: 'IPv4' and 'IPv6'.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-PublicIPAddressConfigurationIdleTimeoutInMinutes <System.Int32>

The idle timeout of the public IP address.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-PublicIPAddressConfigurationName <System.String>

The publicIP address configuration name.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-PublicIPAddressVersion <System.String>

Specify the IP configuration for public IP address. Default is taken as IPv4. Possible values are: 'IPv4' and 'IPv6'.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-PublicIPPrefix <System.String>

The ID of Public IP Prefix

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-SubnetId <System.String>

Specifies the subnet ID in which the configuration creates the VMSS network interface.

Required? false

Position? 2

Default value None

Accept pipeline input? True (ByPropertyName)

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.String[]

System.Int32

Microsoft.Azure.Management.Compute.Models.VirtualMachineScaleSetIpTag[]

OUTPUTS

Microsoft.Azure.Management.Compute.Models.VirtualMachineScaleSetIPConfiguration

NOTES

Example 1: Create an IP configuration object for a VMSS interface

```
$IPConfiguration = New-AzVmssIPConfig -Name "ContosoVmssInterface02" -SubnetId $SubnetId
```

This command creates an IP configuration object named ContosoVmssInterface02. The command uses a previously defined subnet ID stored in $SubnetId. The command stores the configuration settings in the $IPConfiguration variable for later use with Add-AzVmssNetworkInterfaceConfiguration .

Example 2: Create an IP configuration object that includes NAT pool settings

```
$IPConfiguration = New-AzVmssIPConfig -Name "ContosoVmssInterface03" -LoadBalancerInboundNatPoolsId $expectedLb.InboundNatPools[0].Id
-LoadBalancerBackendAddressPoolsId $expectedLb.BackendAddressPools[0].Id -SubnetId $SubnetId
```

This command creates an IP configuration object named ContosoVmssInterface03, and then stores it in the $IPConfiguration variable for later use. The command uses a previously defined subnet ID stored in $SubnetId. The command stores the configuration settings in the $IPConfiguration variable for later use. The command specifies values for the LoadBalancerInboundNatPoolsId and LoadBalancerBackendAddressPoolsId parameters.

RELATED LINKS

Online Version: https://learn.microsoft.com/powershell/module/az.compute/new-azvmssipconfig

Add-AzVmssNetworkInterfaceConfiguration