



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

PS: \>Get-HELP New-AzLoadBalancerBackendAddressPool -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-AzLoadBalancerBackendAddressPool

SYNOPSIS

Creates a backend address pool on a loadbalancer.

SYNTAX

```

New-AzLoadBalancerBackendAddressPool [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -LoadBalancer
    <Microsoft.Azure.Commands.Network.Models.PSLoadBalancer> [-LoadBalancerBackendAddress
<Microsoft.Azure.Commands.Network.Models.PSLoadBalancerBackendAddress[]>] -Name
    <System.String> [-SyncMode <System.String>] [-TunnelInterface
<Microsoft.Azure.Commands.Network.Models.PSTunnelInterface[]>] [-VirtualNetworkId <System.String>]
[-Confirm] [-WhatIf] [<CommonParameters>]

```

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]

[-LoadBalancerBackendAddress <Microsoft.Azure.Commands.Network.Models.PSLoadBalancerBackendAddress[]>]

-LoadBalancerName <System.String> -Name <System.String>

-ResourceGroupName <System.String> [-SyncMode <System.String>] [-TunnelInterface

<Microsoft.Azure.Commands.Network.Models.PSTunnelInterface[]>] [-VirtualNetworkId

<System.String>] [-Confirm] [-WhatIf] [<CommonParameters>]

DESCRIPTION

Creates a backend address pool on a loadbalancer. Allows for specifying a array of PSLoadBalancerBackendAddress.

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

-LoadBalancer <Microsoft.Azure.Commands.Network.Models.PSLoadBalancer>

The load balancer resource.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-LoadBalancerBackendAddress <Microsoft.Azure.Commands.Network.Models.PSLoadBalancerBackendAddress[]>

The backend addresses.

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

-LoadBalancerName <System.String>

The name of the load balancer.

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

-Name <System.String>

The name of the backend pool.

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

-ResourceGroupName <System.String>

The resource group name of the load balancer.

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

Accept wildcard characters? false

-SyncMode <System.String>

Sync mode of the backend pool.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-TunnelInterface <Microsoft.Azure.Commands.Network.Models.PSTunnelInterface[]>

Gateway Load Balancer provider configurations.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-VirtualNetworkId <System.String>

The virtual network associated with the backend pool.

Required? false

Position? named

Default value None

Accept pipeline input? False

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

Microsoft.Azure.Commands.Network.Models.PSLoadBalancer

OUTPUTS

Microsoft.Azure.Commands.Network.Models.PSBackendAddressPool

NOTES

----- Example 1 -----

create by passing loadbalancer without Ips

```
$virtualNetwork = Get-AzVirtualNetwork -Name $vnetName -ResourceGroupName $resourceGroup
```

```
$lb = Get-AzLoadBalancer -ResourceGroupName $resourceGroup -Name $loadBalancerName
```

```
    $ip1 = New-AzLoadBalancerBackendAddressConfig -IpAddress "10.0.0.5" -Name "TestVNetRef" -VirtualNetworkId  
$virtualNetwork.Id
```

```
    $ip2 = New-AzLoadBalancerBackendAddressConfig -IpAddress "10.0.0.6" -Name "TestVNetRef2" -VirtualNetworkId  
$virtualNetwork.Id
```

```
$ips = @($ip1, $ip2)
```

```
$lb | New-AzLoadBalancerBackendAddressPool -Name $backendPool1
```

----- Example 2 -----

create by passing loadbalancer with ips

```
$lb | New-AzLoadBalancerBackendAddressPool -Name $backendPool7 -LoadBalancerBackendAddress $ips
```

----- Example 3 -----

create by name without ips

```
    New-AzLoadBalancerBackendAddressPool -ResourceGroupName $resourceGroup -LoadBalancerName  
$loadBalancerName -Name $backendPool3
```

----- Example 4 -----

create by name with ips

```
New-AzLoadBalancerBackendAddressPool -ResourceGroupName $resourceGroup -LoadBalancerName $loadBalancerName -Name $backendPool3 -LoadBalancerBackendAddress $ips
```

Example 5: Create a backend address pool configuration with tunnel interface for a load balancer

create with Gateway LoadBalancer TunnelInterface configuration

```
$tunnelInterface1 = New-AzLoadBalancerBackendAddressPoolTunnelInterfaceConfig -Protocol 'Vxlan' -Type 'Internal'
-Port 2000 -Identifier 800

$tunnelInterface2 = New-AzLoadBalancerBackendAddressPoolTunnelInterfaceConfig -Protocol 'Vxlan' -Type 'External'
-Port 2001 -Identifier 801

New-AzLoadBalancerBackendAddressPool -ResourceGroupName $resourceGroup -LoadBalancerName $loadBalancerName -Name $backendPool3 -TunnelInterface $tunnelInterface1,
$tunnelInterface2
```

RELATED LINKS

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