indows PowerShell Get-Help on Cmdlet 'New-AzNetworkCloudBgpServiceLoadBalancerConfigurationObjec

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

WARNING: The names of some imported commands from the module 'Az.NetworkCloud.private' 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.

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NAME

New-AzNetworkCloudBgpServiceLoadBalancerConfigurationObject

SYNOPSIS

Create an in-memory object for BgpServiceLoadBalancerConfiguration.

SYNTAX

New-AzNetworkCloudBgpServiceLoadBalancerConfigurationObject [-BgpAdvertisement <IBgpAdvertisement[]>] [-BgpPeer <IServiceLoadBalancerBgpPeer[]>]
[-FabricPeeringEnabled <FabricPeeringEnabled>] [-IPAddressPool <IIPAddressPool[]>] [<CommonParameters>]

DESCRIPTION

Create an in-memory object for BgpServiceLoadBalancerConfiguration.

PARAMETERS

-BgpAdvertisement <IBgpAdvertisement[]>

The association of IP address pools to the communities and peers, allowing for announcement of IPs.

To construct, see NOTES section for BGPADVERTISEMENT properties and create a hash table.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-BgpPeer <IServiceLoadBalancerBgpPeer[]>

The list of additional BgpPeer entities that the Kubernetes cluster will peer with.

All peering must be explicitly defined.

To construct, see NOTES section for BGPPEER properties and create a hash table.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-FabricPeeringEnabled <FabricPeeringEnabled>

The indicator to specify if the load balancer peers with the network fabric.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-IPAddressPool <IIPAddressPool[]>

The list of pools of IP addresses that can be allocated to Load Balancer services.

To construct, see NOTES section for IPADDRESSPOOL properties and create a hash table.

Required? false

Position? named

Default value

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

OUTPUTS

Microsoft.Azure.PowerShell.Cmdlets.NetworkCloud.Models.Api20230701.BgpServiceLoadBalancerConfiguration

NOTES

COMPLEX PARAMETER PROPERTIES

To create the parameters described below, construct a hash table containing the appropriate properties. For information on hash tables, run Get-Help

about_Hash_Tables.

BGPADVERTISEMENT <IBgpAdvertisement[]>: The association of IP address pools to the communities and peers, allowing for announcement of IPs.

IPAddressPool <String[]>: The names of the IP address pools associated with this announcement.

[AdvertiseToFabric <AdvertiseToFabric?>]: The indicator of if this advertisement is also made to the network fabric associated with the Network Cloud Cluster.

This field is ignored if fabricPeeringEnabled is set to False.

[Community <String[]>]: The names of the BGP communities to be associated with the announcement, utilizing a BGP community string in 1234:1234 format.

[Peer <String[]>]: The names of the BGP peers to limit this advertisement to. If no values are specified, all BGP peers will receive this advertisement.

BGPPEER <IServiceLoadBalancerBgpPeer[]>: The list of additional BgpPeer entities that the Kubernetes cluster will peer with. All peering must be explicitly

defined.

Name <String>: The name used to identify this BGP peer for association with a BGP advertisement.

PeerAddress <String>: The IPv4 or IPv6 address used to connect this BGP session.

PeerAsn <Int64>: The autonomous system number expected from the remote end of the BGP session.

[BfdEnabled <BfdEnabled?>]: The indicator of BFD enablement for this BgpPeer.

[BgpMultiHop <BgpMultiHop?>]: The indicator to enable multi-hop peering support.

[HoldTime <String>]: The requested BGP hold time value. This field uses ISO 8601 duration format, for example P1H.

[KeepAliveTime <String>]: The requested BGP keepalive time value. This field uses ISO 8601 duration format, for example P1H.

[MyAsn <Int64?>]: The autonomous system number used for the local end of the BGP session.

[Password <String>]: The authentication password for routers enforcing TCP MD5 authenticated sessions.

[PeerPort <Int64?>]: The port used to connect this BGP session.

IPADDRESSPOOL <IIPAddressPool[]>: The list of pools of IP addresses that can be allocated to Load Balancer services.

Address <String[]>: The list of IP address ranges. Each range can be a either a subnet in CIDR format or an explicit start-end range of IP addresses.

Name <String>: The name used to identify this IP address pool for association with a BGP advertisement.

[AutoAssign <BfdEnabled?>]: The indicator to determine if automatic allocation from the pool should occur.

[OnlyUseHostIP <BfdEnabled?>]: The indicator to prevent the use of IP addresses ending with .0 and .255 for this pool. Enabling this option will only use IP

addresses between .1 and .254 inclusive.

---------- EXAMPLE 1 ----------

PS C:\>$ipAddressPools=New-AzNetworkCloudIpAddressPoolObject -Address @("198.51.102.0/24") -Name "pool1" -AutoAssign True -OnlyUseHostIP True

$serviceLoadBalancerBgpPeer=New-AzNetworkCloudServiceLoadBalancerBgpPeerObject -Name name -PeerAddress "203.0.113.254" -PeerAsn "64497" -BfdEnabled False -BgpMultiHop
False -HoldTime "P300s" -KeepAliveTime "P300s" -MyAsn 64512 -Password passsword -PeerPort 1234

$bgpAdvertisement=New-AzNetworkCloudBgpAdvertisementObject -IPAddressPool @("pool1","pool2") -AdvertiseToFabric "True" -Community @("communityString") -Peer
@("peer1")

$object=New-AzNetworkCloudBgpServiceLoadBalancerConfigurationObject -BgpAdvertisement @($bgpAdvertisement) -BgpPeer $serviceLoadBalancerBgpPeer -FabricPeeringEnabled
True -IPAddressPool @($ipAddressPools)

Write-Host ($object | Format-List | Out-String)

RELATED LINKS

https://learn.microsoft.com/powershell/module/Az.NetworkCloud/new-AzNetworkCloudBgpServiceLoadBalancerConfiguratio
nObject