



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

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

NAME

New-AzAvailabilityGroupListener

SYNOPSIS

Creates or updates an availability group listener.

SYNTAX

```
New-AzAvailabilityGroupListener -Name <String> -ResourceGroupName <String> -SqlVMGroupName <String>
[-SubscriptionId <String>] [-AvailabilityGroupConfigurationReplica
    <IAgReplica[]>] [-AvailabilityGroupName <String>] [-CreateDefaultAvailabilityGroupIfNotExist] [-IpAddress <String>]
[-LoadBalancerResourceId <String>] [-ProbePort
    <Int32>] [-PublicIpAddressResourceId <String>] [-SqlVirtualMachineId <String[]>] [-SubnetId <String>]
[-MultiSubnetIPConfiguration <IMultiSubnetIPConfiguration[]>]
    [-Port <Int32>] [-DefaultProfile <PSObject>] [-AsJob] [-Break] [-HttpPipelineAppend <SendAsyncStep[]>]
[-HttpPipelinePrepend <SendAsyncStep[]>] [-NoWait] [-Proxy
    <Uri>] [-ProxyCredential <PSCredential>] [-ProxyUseDefaultCredentials] [-WhatIf] [-Confirm] [<CommonParameters>]
```

DESCRIPTION

Creates or updates an availability group listener.

PARAMETERS

-Name <String>

Name of the availability group listener.

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ResourceGroupName <String>

Name of the resource group that contains the resource.

You can obtain this value from the Azure Resource Manager API or the portal.

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-SqlVMGroupName <String>

Name of the SQL virtual machine group.

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-SubscriptionId <String>

Subscription ID that identifies an Azure subscription.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-AvailabilityGroupConfigurationReplica <IAgReplica[]>

Replica configurations.

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

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-AvailabilityGroupName <String>

Name of the availability group.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-CreateDefaultAvailabilityGroupIfNotExist [<SwitchParameter>]

Create a default availability group if it does not exist.

Required? false

Position? named

Default value False

Accept pipeline input? false

Accept wildcard characters? false

-IpAddress <String>

Private IP address bound to the availability group listener.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-LoadBalancerResourceId <String>

Resource id of the load balancer.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ProbePort <Int32>

Probe port.

Required? false

Position? named

Default value 0

Accept pipeline input? false

Accept wildcard characters? false

-PublicIpAddressResourceId <String>

Resource id of the public IP.

Required? false
Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-SqlVirtualMachineId <String[]>

List of the SQL virtual machine instance resource id's that are enrolled into the availability group listener.

Required? false
Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-SubnetId <String>

Subnet used to include private IP.

Required? false
Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-MultiSubnetIPConfiguration <IMultiSubnetIPConfiguration[]>

List of multi subnet IP configurations for an AG listener.

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

Required? false
Position? named
Default value
Accept pipeline input? false

Accept wildcard characters? false

-Port <Int32>

Listener port.

Required? false

Position? named

Default value 0

Accept pipeline input? false

Accept wildcard characters? false

-DefaultProfile <PSObject>

The credentials, account, tenant, and subscription used for communication with Azure.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-AsJob [<SwitchParameter>]

Run the command as a job

Required? false

Position? named

Default value False

Accept pipeline input? false

Accept wildcard characters? false

-Break [<SwitchParameter>]

Wait for .NET debugger to attach

Required? false

Position? named
Default value False
Accept pipeline input? false
Accept wildcard characters? false

-HttpPipelineAppend <SendAsyncStep[]>

SendAsync Pipeline Steps to be appended to the front of the pipeline

Required? false
Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-HttpPipelinePrepend <SendAsyncStep[]>

SendAsync Pipeline Steps to be prepended to the front of the pipeline

Required? false
Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-NoWait [<SwitchParameter>]

Run the command asynchronously

Required? false
Position? named
Default value False
Accept pipeline input? false
Accept wildcard characters? false

-Proxy <Uri>

The URI for the proxy server to use

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ProxyCredential <PSCredential>

Credentials for a proxy server to use for the remote call

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ProxyUseDefaultCredentials [<SwitchParameter>]

Use the default credentials for the proxy

Required? false

Position? named

Default value False

Accept pipeline input? false

Accept wildcard characters? false

-WhatIf [<SwitchParameter>]

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-Confirm [<SwitchParameter>]

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.SqlVirtualMachine.Models.Api20220801Preview.IAvailabilityGroupListener

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.

AVAILABILITYGROUPCONFIGURATIONREPLICA <IAgReplica[]>: Replica configurations.

[Commit <Commit?>]: Replica commit mode in availability group.

[Failover <Failover?>]: Replica failover mode in availability group.

[ReadableSecondary <ReadableSecondary?>]: Replica readable secondary mode in availability group.

[Role <Role?>]: Replica Role in availability group.

[SqlVirtualMachineInstanceId <String>]: Sql VirtualMachine Instance Id.

MULTISUBNETIPCONFIGURATION <IMultiSubnetIPConfiguration[]>: List of multi subnet IP configurations for an AG listener.

SqlVirtualMachineInstance <String>: SQL virtual machine instance resource id that are enrolled into the availability group listener.

[PrivateIPAddressIpaddress <String>]: Private IP address bound to the availability group listener.

[PrivateIPAddressSubnetResourceId <String>]: Subnet used to include private IP.

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

```
PS C:\>New-AzAvailabilityGroupListener -ResourceGroupName 'ResourceGroup01' -SqlVMGroupName 'sqlvmgroup01'
-Name 'AgListener01' -AvailabilityGroupName 'AG01'
    -IpAddress '192.168.16.7' -LoadBalancerResourceId $LoadBalancerResourceId -SubnetId $SubnetResourceId
-ProbePort 9999 -SqlVirtualMachineId
    $sqlvmResourceId1,$sqlvmResourceId2
```

----- EXAMPLE 2 -----

```
PS C:\>$msconfig1 = New-AzSqlVirtualMachineMultiSubnetIPConfigurationObject -PrivateIPAddressSubnetResourceId
$SubnetResourceId1 -PrivateIPAddressIpaddress
    '192.168.16.9' -SqlVirtualMachineInstance $sqlvmResourceId1

$msconfig2 = New-AzSqlVirtualMachineMultiSubnetIPConfigurationObject -PrivateIPAddressSubnetResourceId
$SubnetResourceId2 -PrivateIPAddressIpaddress '192.168.17.9'

-SqlVirtualMachineInstance $sqlvmResourceId2
```

```
New-AzAvailabilityGroupListener -Name 'AgListener02' -ResourceGroupName 'ResourceGroup01' -SqlVMGroupName  
'sqlvmgroup01' -AvailabilityGroupName 'AG02'  
-MultiSubnetIPConfiguration $msconfig1,$msconfig2
```

RELATED LINKS

<https://learn.microsoft.com/powershell/module/az.sqlvirtualmachine/new-azavailabilitygrouplistener>