



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

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

NAME

New-AzEventHub

SYNOPSIS

Create a new Event Hub as a nested resource within a Namespace.

SYNTAX

```
New-AzEventHub -Name <String> -NamespaceName <String> -ResourceGroupName <String> [-SubscriptionId
<String>] [-ArchiveNameFormat <String>] [-BlobContainer <String>]
[-CaptureEnabled] [-CleanupPolicy <String>] [-DestinationName <String>] [-Encoding <String>] [-IdentityType <String>]
[-IntervallInSeconds <Int32>] [-PartitionCount
<Int64>] [-RetentionTimeInHour <Int64>] [-SizeLimitInBytes <Int32>] [-SkipEmptyArchive] [-Status <String>]
[-StorageAccountResourceId <String>]
[-TombstoneRetentionTimeInHour <Int32>] [-UserAssignedIdentityId <String>] [-DefaultProfile <PSObject>] [-Break]
[-HttpPipelineAppend <SendAsyncStep[]>]
[-HttpPipelinePrepend <SendAsyncStep[]>] [-Proxy <Uri>] [-ProxyCredential <PSCredential>]
[-ProxyUseDefaultCredentials] [-WhatIf] [-Confirm] [<CommonParameters>]
```

New-AzEventHub -Name <String> -NamespaceInputObject <IEventHubIdentity> [-ArchiveNameFormat <String>]

[-BlobContainer <String>] [-CaptureEnabled] [-CleanupPolicy
 <String>] [-DestinationName <String>] [-Encoding <String>] [-IdentityType <String>] [-IntervallInSeconds <Int32>]
 [-PartitionCount <Int64>] [-RetentionTimeInHour
 <Int64>] [-SizeLimitInBytes <Int32>] [-SkipEmptyArchive] [-Status <String>] [-StorageAccountResourceId <String>]
 [-TombstoneRetentionTimeInHour <Int32>]
 [-UserAssignedIdentityId <String>] [-DefaultProfile <PSObject>] [-Break] [-HttpPipelineAppend <SendAsyncStep[]>]
 [-HttpPipelinePrepend <SendAsyncStep[]>] [-Proxy
 <Uri>] [-ProxyCredential <PSCredential>] [-ProxyUseDefaultCredentials] [-WhatIf] [-Confirm] [<CommonParameters>]

New-AzEventHub -Name <String> -NamespaceInputObject <IEventHubIdentity> -Parameter <IEventhub> [-DefaultProfile
 <PSObject>] [-Break] [-HttpPipelineAppend
 <SendAsyncStep[]>] [-HttpPipelinePrepend <SendAsyncStep[]>] [-Proxy <Uri>] [-ProxyCredential <PSCredential>]
 [-ProxyUseDefaultCredentials] [-WhatIf] [-Confirm]
 [<CommonParameters>]

DESCRIPTION

Create a new Event Hub as a nested resource within a Namespace.

PARAMETERS

-Name <String>

The Event Hub name

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-NamespaceName <String>

The Namespace name

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

-ResourceGroupName <String>

Name of the resource group within the azure subscription.

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

-SubscriptionId <String>

Subscription credentials that uniquely identify a Microsoft Azure subscription.

The subscription ID forms part of the URI for every service call.

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

-NamespaceInputObject <IEventHubIdentity>

Identity Parameter

Required? true
Position? named
Default value
Accept pipeline input? true (ByValue)
Accept wildcard characters? false

-ArchiveNameFormat <String>

Blob naming convention for archive, e.g.

{Namespace}/{EventHub}/{PartitionId}/{Year}/{Month}/{Day}/{Hour}/{Minute}/{Second}.

Here all the parameters (Namespace,EventHub ..

etc) are mandatory irrespective of order

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-BlobContainer <String>

Blob container Name

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-CaptureEnabled [<SwitchParameter>]

A value that indicates whether capture description is enabled.

Required? false

Position? named

Default value False

Accept pipeline input? false

Accept wildcard characters? false

-CleanupPolicy <String>

Enumerates the possible values for cleanup policy

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

-DestinationName <String>

Name for capture destination

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

-Encoding <String>

Enumerates the possible values for the encoding format of capture description.

Note: 'AvroDeflate' will be deprecated in New API Version

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

-IdentityType <String>

Type of Azure Active Directory Managed Identity.

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

Accept wildcard characters? false

-IntervalInSeconds <Int32>

The time window allows you to set the frequency with which the capture to Azure Blobs will happen, value should be between 60 to 900 seconds

Required? false

Position? named

Default value 0

Accept pipeline input? false

Accept wildcard characters? false

-PartitionCount <Int64>

Number of partitions created for the Event Hub, allowed values are from 1 to 32 partitions.

Required? false

Position? named

Default value 0

Accept pipeline input? false

Accept wildcard characters? false

-RetentionTimeInHour <Int64>

Number of hours to retain the events for this Event Hub.

This value is only used when cleanupPolicy is Delete.

If cleanupPolicy is Compact the returned value of this property is Long.MaxValue

Required? false

Position? named

Default value 0

Accept pipeline input? false

Accept wildcard characters? false

-SizeLimitInBytes <Int32>

The size window defines the amount of data built up in your Event Hub before an capture operation, value should be between 10485760 to 524288000 bytes

Required?	false
Position?	named
Default value	0
Accept pipeline input?	false
Accept wildcard characters?	false

-SkipEmptyArchive [<SwitchParameter>]

A value that indicates whether to Skip Empty Archives

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

-Status <String>

Enumerates the possible values for the status of the Event Hub.

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

-StorageAccountResourceId <String>

Resource id of the storage account to be used to create the blobs

Required?	false
Position?	named
Default value	

Accept pipeline input? false

Accept wildcard characters? false

-TombstoneRetentionTimeInHour <Int32>

Number of hours to retain the tombstone markers of a compacted Event Hub.

This value is only used when cleanupPolicy is Compact.

Consumer must complete reading the tombstone marker within this specified amount of time if consumer begins from starting offset to ensure they get a valid

snapshot for the specific key described by the tombstone marker within the compacted Event Hub

Required? false

Position? named

Default value 0

Accept pipeline input? false

Accept wildcard characters? false

-UserAssignedIdentityId <String>

ARM ID of Managed User Identity.

This property is required is the type is UserAssignedIdentity.

If type is SystemAssigned, then the System Assigned Identity Associated with the namespace will be used.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-Parameter <IEventhub>

Single item in List or Get Event Hub operation

Required? true

Position? named

Default value

Accept pipeline input? true (ByValue)

Accept wildcard characters? false

-DefaultProfile <PSObject>

The DefaultProfile parameter is not functional.

Use the SubscriptionId parameter when available if executing the cmdlet against a different subscription.

Required? false

Position? named

Default value

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

-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

Microsoft.Azure.PowerShell.Cmdlets.EventHub.Models.IEventhub

Microsoft.Azure.PowerShell.Cmdlets.EventHub.Models.IEventHubIdentity

OUTPUTS

Microsoft.Azure.PowerShell.Cmdlets.EventHub.Models.IEventhub

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.

NAMESPACEINPUTOBJECT <IEventHubIdentity>: Identity Parameter

[Alias <String>]: The Disaster Recovery configuration name

[ApplicationGroupName <String>]: The Application Group name

[AuthorizationRuleName <String>]: The authorization rule name.

[ClusterName <String>]: The name of the Event Hubs Cluster.

[ConsumerGroupName <String>]: The consumer group name

[EventHubName <String>]: The Event Hub name

[Id <String>]: Resource identity path

[NamespaceName <String>]: The Namespace name

[PrivateEndpointConnectionName <String>]: The PrivateEndpointConnection name

[ResourceAssociationName <String>]: The ResourceAssociation Name

[ResourceGroupName <String>]: Name of the resource group within the azure subscription.

[SchemaGroupName <String>]: The Schema Group name

[SubscriptionId <String>]: Subscription credentials that uniquely identify a Microsoft Azure subscription. The subscription ID forms part of the URI for every service call.

PARAMETER <IEventhub>: Single item in List or Get Event Hub operation

[ArchiveNameFormat <String>]: Blob naming convention for archive, e.g. {Namespace}/{EventHub}/{PartitionId}/{Year}/{Month}/{Day}/{Hour}/{Minute}/{Second}. Here

all the parameters (Namespace,EventHub .. etc) are mandatory irrespective of order

[BlobContainer <String>]: Blob container Name

[CaptureEnabled <Boolean?>]: A value that indicates whether capture description is enabled.

[CleanupPolicy <String>]: Enumerates the possible values for cleanup policy

[DataLakeAccountName <String>]: The Azure Data Lake Store name for the captured events

[DataLakeFolderPath <String>]: The destination folder path for the captured events

[DataLakeSubscriptionId <String>]: Subscription Id of Azure Data Lake Store

[DestinationName <String>]: Name for capture destination

[Encoding <String>]: Enumerates the possible values for the encoding format of capture description. Note: 'AvroDeflate' will be deprecated in New API Version

[IdentityType <String>]: Type of Azure Active Directory Managed Identity.

[IntervalInSeconds <Int32?>]: The time window allows you to set the frequency with which the capture to Azure Blobs will happen, value should be between 60 to 900 seconds

[MessageRetentionInDay <Int64?>]: Number of days to retain the events for this Event Hub, value should be 1 to 7 days

[PartitionCount <Int64?>]: Number of partitions created for the Event Hub, allowed values are from 1 to 32 partitions.

[RetentionTimeInHour <Int64?>]: Number of hours to retain the events for this Event Hub. This value is only used when cleanupPolicy is Delete. If cleanupPolicy is Compact the returned value of this property is Long.MaxValue

[SizeLimitInBytes <Int32?>]: The size window defines the amount of data built up in your Event Hub before an capture operation, value should be between 10485760 to 524288000 bytes

[SkipEmptyArchive <Boolean?>]: A value that indicates whether to Skip Empty Archives

[Status <String>]: Enumerates the possible values for the status of the Event Hub.

[StorageAccountResourceId <String>]: Resource id of the storage account to be used to create the blobs

[TombstoneRetentionTimeInHour <Int32?>]: Number of hours to retain the tombstone markers of a compacted Event Hub. This value is only used when cleanupPolicy is

Compact. Consumer must complete reading the tombstone marker within this specified amount of time if consumer begins from starting offset to ensure they get a

valid snapshot for the specific key described by the tombstone marker within the compacted Event Hub

[UserAssignedIdentityId <String>]: ARM ID of Managed User Identity. This property is required if the type is UserAssignedIdentity. If type is SystemAssigned, then the System Assigned Identity Associated with the namespace will be used.

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

```
PS C:\>New-AzEventHub -Name myEventHub -ResourceGroupName myResourceGroup -NamespaceName
myNamespace -RetentionTimeInHour 168 -PartitionCount 5 -CleanupPolicy Delete
```

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

```
PS C:\>New-AzEventHub -Name myEventHub -ResourceGroupName myResourceGroup -NamespaceName
myNamespace -ArchiveNameFormat
```

```
"{Namespace}/{EventHub}/{PartitionId}/{Year}/{Month}/{Day}/{Hour}/{Minute}/{Second}" -BlobContainer container
-CaptureEnabled -DestinationName
```

```
EventHubArchive.AzureBlockBlob -Encoding Avro -IntervalInSeconds 600 -SizeLimitInBytes 11000000
-SkipEmptyArchive -StorageAccountResourceId
```

```
"/subscriptions/subscriptionId/resourceGroups/myResourceGroup/providers/Microsoft.Storage/storageAccounts/myStorage
Account -CleanupPolicy Delete"
```

----- EXAMPLE 3 -----

```
PS C:\>New-AzEventHub -Name myEventHub -ResourceGroupName myResourceGroup -NamespaceName
myNamespace -CleanupPolicy Compact
```

RELATED LINKS

<https://learn.microsoft.com/powershell/module/az.eventhub/new-azeventhub>