



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

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

NAME

New-AzEventGridTopicEventSubscription

SYNOPSIS

Asynchronously creates a new event subscription or updates an existing event subscription.

SYNTAX

```
New-AzEventGridTopicEventSubscription -EventSubscriptionName <String> -ResourceGroupName <String>
[-SubscriptionId <String>] -TopicName <String>
[-DeadLetterWithResourceIdentityType <String>] [-DeadLetterWithResourceIdentityUserAssignedIdentity <String>]
[-DeliveryWithResourceIdentityDestination
    <IEventSubscriptionDestination>] [-DeliveryWithResourceIdentityType <String>]
[-DeliveryWithResourceIdentityUserAssignedIdentity <String>] [-Destination
    <IEventSubscriptionDestination>] [-EventDeliverySchema <String>] [-ExpirationTimeUtc <DateTime>]
[-FilterAdvancedFilter <IAdvancedFilter[]>]
[-FilterEnableAdvancedFilteringOnArray] [-FilterIncludedEventType <String[]>] [-FilterIsSubjectCaseSensitive]
[-FilterSubjectBeginsWith <String>]
[-FilterSubjectEndsWith <String>] [-Label <String[]>] [-RetryPolicyEventTimeToLiveInMinute <Int32>]
[-RetryPolicyMaxDeliveryAttempt <Int32>] [-DefaultProfile
```

<PObject>] [-AsJob] [-Break] [-HttpPipelineAppend <SendAsyncStep[]>] [-HttpPipelinePrepend <SendAsyncStep[]>]
[-NoWait] [-PassThru] [-Proxy <Uri>] [-ProxyCredential
<PSCredential>] [-ProxyUseDefaultCredentials] [-WhatIf] [-Confirm] [<CommonParameters>]

New-AzEventGridTopicEventSubscription -EventSubscriptionName <String> -ResourceGroupName <String>
[-SubscriptionId <String>] -TopicName <String> -JsonString <String>
[-DefaultProfile <PObject>] [-AsJob] [-Break] [-HttpPipelineAppend <SendAsyncStep[]>] [-HttpPipelinePrepend
<SendAsyncStep[]>] [-NoWait] [-PassThru] [-Proxy <Uri>]
[-ProxyCredential <PSCredential>] [-ProxyUseDefaultCredentials] [-WhatIf] [-Confirm] [<CommonParameters>]

New-AzEventGridTopicEventSubscription -EventSubscriptionName <String> -ResourceGroupName <String>
[-SubscriptionId <String>] -TopicName <String> -JsonFilePath
<String> [-DefaultProfile <PObject>] [-AsJob] [-Break] [-HttpPipelineAppend <SendAsyncStep[]>] [-HttpPipelinePrepend
<SendAsyncStep[]>] [-NoWait] [-PassThru] [-Proxy
<Uri>] [-ProxyCredential <PSCredential>] [-ProxyUseDefaultCredentials] [-WhatIf] [-Confirm] [<CommonParameters>]

New-AzEventGridTopicEventSubscription -EventSubscriptionName <String> -TopicInputObject <IEventGridIdentity>
[-DeadLetterWithResourceIdentityType <String>]

[-DeadLetterWithResourceIdentityUserAssignedIdentity <String>] [-DeliveryWithResourceIdentityDestination
<IEventSubscriptionDestination>]

[-DeliveryWithResourceIdentityType <String>] [-DeliveryWithResourceIdentityUserAssignedIdentity <String>]
[-Destination <IEventSubscriptionDestination>]

[-EventDeliverySchema <String>] [-ExpirationTimeUtc <DateTime>] [-FilterAdvancedFilter <IAdvancedFilter[]>]
[-FilterEnableAdvancedFilteringOnArray]

[-FilterIncludedEventType <String[]>] [-FilterIsSubjectCaseSensitive] [-FilterSubjectBeginsWith <String>]
[-FilterSubjectEndsWith <String>] [-Label <String[]>]

[-RetryPolicyEventTimeToLiveInMinute <Int32>] [-RetryPolicyMaxDeliveryAttempt <Int32>] [-DefaultProfile <PObject>]
[-AsJob] [-Break] [-HttpPipelineAppend

<SendAsyncStep[]>] [-HttpPipelinePrepend <SendAsyncStep[]>] [-NoWait] [-PassThru] [-Proxy <Uri>] [-ProxyCredential
<PSCredential>] [-ProxyUseDefaultCredentials]
[-WhatIf] [-Confirm] [<CommonParameters>]

New-AzEventGridTopicEventSubscription -InputObject <IEventGridIdentity> [-DeadLetterWithResourceIdentityType

<String>]

[-DeadLetterWithResourceIdentityUserAssignedIdentity <String>] [-DeliveryWithResourceIdentityDestination

<IEventSubscriptionDestination>]

[-DeliveryWithResourceIdentityType <String>] [-DeliveryWithResourceIdentityUserAssignedIdentity <String>]

[-Destination <IEventSubscriptionDestination>]

[-EventDeliverySchema <String>] [-ExpirationTimeUtc <DateTime>] [-FilterAdvancedFilter <IAdvancedFilter[]>]

[-FilterEnableAdvancedFilteringOnArray]

[-FilterIncludedEventType <String[]>] [-FilterIsSubjectCaseSensitive] [-FilterSubjectBeginsWith <String>]

[-FilterSubjectEndsWith <String>] [-Label <String[]>]

[-RetryPolicyEventTimeToLiveInMinute <Int32>] [-RetryPolicyMaxDeliveryAttempt <Int32>] [-DefaultProfile <PSObject>]

[-AsJob] [-Break] [-HttpPipelineAppend

<SendAsyncStep[]>] [-HttpPipelinePrepend <SendAsyncStep[]>] [-NoWait] [-PassThru] [-Proxy <Uri>] [-ProxyCredential

<PSCredential>] [-ProxyUseDefaultCredentials]

[-WhatIf] [-Confirm] [<CommonParameters>]

DESCRIPTION

Asynchronously creates a new event subscription or updates an existing event subscription.

PARAMETERS

-EventSubscriptionName <String>

Name of the event subscription to be created.

Event subscription names must be between 3 and 100 characters in length and use alphanumeric letters only.

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ResourceGroupName <String>

The name of the resource group within the user's 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

-TopicName <String>

Name of the domain topic.

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

-InputObject <IEventGridIdentity>

Identity Parameter

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

Accept wildcard characters? false

-TopicInputObject <IEventGridIdentity>

Identity Parameter

Required? true

Position? named

Default value

Accept pipeline input? true (ByValue)

Accept wildcard characters? false

-DeadLetterWithResourceIdentityType <String>

The type of managed identity used.

The type 'SystemAssigned, UserAssigned' includes both an implicitly created identity and a set of user-assigned identities.

The type 'None' will remove any identity.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-DeadLetterWithResourceIdentityUserAssignedIdentity <String>

The user identity associated with the resource.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-DeliveryWithResourceIdentityDestination <IEventSubscriptionDestination>

Information about the destination where events have to be delivered for the event subscription. Uses Azure Event Grid's identity to acquire the authentication

tokens being used during delivery / dead-lettering.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-DeliveryWithResourceIdentityType <String>

The type of managed identity used.

The type 'SystemAssigned, UserAssigned' includes both an implicitly created identity and a set of user-assigned identities.

The type 'None' will remove any identity.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-DeliveryWithResourceIdentityUserAssignedIdentity <String>

The user identity associated with the resource.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-Destination <IEventSubscriptionDestination>

Information about the destination where events have to be delivered for the event subscription. Uses Azure Event Grid's

identity to acquire the authentication

tokens being used during delivery / dead-lettering.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-EventDeliverySchema <String>

The event delivery schema for the event subscription.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ExpirationTimeUtc <DateTime>

Expiration time of the event subscription.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-FilterAdvancedFilter <IAdvancedFilter[]>

An array of advanced filters that are used for filtering event subscriptions.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-FilterEnableAdvancedFilteringOnArray [<SwitchParameter>]

Allows advanced filters to be evaluated against an array of values instead of expecting a singular value.

Required? false

Position? named

Default value False

Accept pipeline input? false

Accept wildcard characters? false

-FilterIncludedEventType <String[]>

A list of applicable event types that need to be part of the event subscription.

If it is desired to subscribe to all default event types, set the IncludedEventTypes to null.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-FilterIsSubjectCaseSensitive [<SwitchParameter>]

Specifies if the SubjectBeginsWith and SubjectEndsWith properties of the filters should be compared in a case sensitive manner.

Required? false

Position? named

Default value False

Accept pipeline input? false

Accept wildcard characters? false

-FilterSubjectBeginsWith <String>

An optional string to filter events for an event subscription based on a resource path prefix. The format of this depends on the publisher of the events. Wildcard

characters are not supported in this path.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-FilterSubjectEndsWith <String>

An optional string to filter events for an event subscription based on a resource path suffix. Wildcard characters are not supported in this path.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-Label <String[]>

List of user defined labels.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-RetryPolicyEventTimeToLiveInMinute <Int32>

Time To Live (in minutes) for events.

Required? false

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

-RetryPolicyMaxDeliveryAttempt <Int32>

Maximum number of delivery retry attempts for events.

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

-JsonFilePath <String>

Path of Json file supplied to the Create operation

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

-JsonString <String>

Json string supplied to the Create operation

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

-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

-PassThru [<SwitchParameter>]

Returns true when the command succeeds

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

Microsoft.Azure.PowerShell.Cmdlets.EventGrid.Models.IEventGridIdentity

OUTPUTS

Microsoft.Azure.PowerShell.Cmdlets.EventGrid.Models.IEventSubscription

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.

DELIVERYWITHRESOURCEIDENTITYDESTINATION <IEventSubscriptionDestination>: Information about the destination where events have to be delivered for the event

subscription.Uses Azure Event Grid's identity to acquire the authentication tokens being used during delivery /

dead-lettering.

EndpointType <String>: Type of the endpoint for the event subscription destination.

DESTINATION <IEventSubscriptionDestination>: Information about the destination where events have to be delivered for the event subscription. Uses Azure Event

Grid's identity to acquire the authentication tokens being used during delivery / dead-lettering.

EndpointType <String>: Type of the endpoint for the event subscription destination.

FILTERADVANCEDFILTER <IAdvancedFilter[]>: An array of advanced filters that are used for filtering event subscriptions.

OperatorType <String>: The operator type used for filtering, e.g., NumberIn, StringContains, BoolEquals and others.

[Key <String>]: The field/property in the event based on which you want to filter.

INPUTOBJECT <IEventGridIdentity>: Identity Parameter

[CaCertificateName <String>]: Name of the CA certificate.

[ChannelName <String>]: Name of the channel.

[ClientGroupName <String>]: Name of the client group.

[ClientName <String>]: Name of the client.

[DomainName <String>]: Name of the domain.

[DomainTopicName <String>]: Name of the topic.

[EventSubscriptionName <String>]: Name of the event subscription.

[Id <String>]: Resource identity path

[Location <String>]: Name of the location.

[NamespaceName <String>]: Name of the namespace.

[ParentName <String>]: The name of the parent resource (namely, either, the topic name, domain name, or partner namespace name or namespace name).

[ParentType <String>]: The type of the parent resource. This can be either 'topics', 'domains', or 'partnerNamespaces' or 'namespaces'.

[PartnerDestinationName <String>]: Name of the partner destination.

[PartnerNamespaceName <String>]: Name of the partner namespace.

[PartnerRegistrationName <String>]: Name of the partner registration.

[PartnerTopicName <String>]: Name of the partner topic.

[PermissionBindingName <String>]: Name of the permission binding.

[PrivateEndpointConnectionName <String>]: The name of the private endpoint connection connection.

[PrivateLinkResourceName <String>]: The name of private link resource will be either topic, domain, partnerNamespace or namespace.

[ProviderNamespace <String>]: Namespace of the provider of the topic.

[ResourceGroupName <String>]: The name of the resource group within the user's subscription.

[ResourceName <String>]: Name of the resource.

[ResourceTypeName <String>]: Name of the resource type.

[Scope <String>]: The scope of the event subscription. The scope can be a subscription, or a resource group, or a top level resource belonging to a resource

provider namespace, or an EventGrid topic. For example, use '/subscriptions/{subscriptionId}' for a subscription,

'/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}' for a resource group, and

'/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/{resourceProviderNamespace}/{resourceType}/{resourceName}' for a resource, and

'/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.EventGrid/topics/{topicName}' for an EventGrid topic.

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

service call.

[SystemTopicName <String>]: Name of the system topic.

[TopicName <String>]: Name of the domain topic.

[TopicSpaceName <String>]: Name of the Topic space.

[TopicTypeName <String>]: Name of the topic type.

[VerifiedPartnerName <String>]: Name of the verified partner.

TOPICINPUTOBJECT <IEventGridIdentity>: Identity Parameter

[CaCertificateName <String>]: Name of the CA certificate.

[ChannelName <String>]: Name of the channel.

[ClientGroupName <String>]: Name of the client group.

[ClientName <String>]: Name of the client.

[DomainName <String>]: Name of the domain.

[DomainTopicName <String>]: Name of the topic.

[EventSubscriptionName <String>]: Name of the event subscription.

[Id <String>]: Resource identity path

[Location <String>]: Name of the location.

[NamespaceName <String>]: Name of the namespace.

[ParentName <String>]: The name of the parent resource (namely, either, the topic name, domain name, or partner namespace name or namespace name).

[ParentType <String>]: The type of the parent resource. This can be either 'topics', 'domains', or 'partnerNamespaces' or 'namespaces'.

[PartnerDestinationName <String>]: Name of the partner destination.

[PartnerNamespaceName <String>]: Name of the partner namespace.

[PartnerRegistrationName <String>]: Name of the partner registration.

[PartnerTopicName <String>]: Name of the partner topic.

[PermissionBindingName <String>]: Name of the permission binding.

[PrivateEndpointConnectionName <String>]: The name of the private endpoint connection connection.

[PrivateLinkResourceName <String>]: The name of private link resource will be either topic, domain, partnerNamespace or namespace.

[ProviderNamespace <String>]: Namespace of the provider of the topic.

[ResourceGroupName <String>]: The name of the resource group within the user's subscription.

[ResourceName <String>]: Name of the resource.

[ResourceTypeName <String>]: Name of the resource type.

[Scope <String>]: The scope of the event subscription. The scope can be a subscription, or a resource group, or a top level resource belonging to a resource

provider namespace, or an EventGrid topic. For example, use '/subscriptions/{subscriptionId}' for a subscription,

'/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}' for a resource group, and

'/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/{resourceProviderNamespace}/{resourceType}/{resourceName}' for a resource, and

'/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.EventGrid/topics/{topicName}' for an EventGrid topic.

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

service call.

[SystemTopicName <String>]: Name of the system topic.

[TopicName <String>]: Name of the domain topic.

[TopicSpaceName <String>]: Name of the Topic space.

[TopicTypeName <String>]: Name of the topic type.

[VerifiedPartnerName <String>]: Name of the verified partner.

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

```
PS C:\>$obj = New-AzEventGridWebHookEventSubscriptionDestinationObject -EndpointUrl
"https://azpsweb.azurewebsites.net/api/updates"

New-AzEventGridTopicEventSubscription -EventSubscriptionName azps-eventsub -ResourceGroupName
azps_test_group_eventgrid -TopicName azps-topic
-FilterIsSubjectCaseSensitive:$false -FilterSubjectBeginsWith "ExamplePrefix" -FilterSubjectEndsWith "ExampleSuffix"
-EventDeliverySchema CloudEventSchemaV1_0
-Destination $obj
```

RELATED LINKS

<https://learn.microsoft.com/powershell/module/az.eventgrid/new-azeventgridtopiceventsubscription>