



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

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

NAME

New-AzEventGridTopic

SYNOPSIS

Asynchronously creates a new topic with the specified parameters.

SYNTAX

```
New-AzEventGridTopic -Name <String> -ResourceGroupName <String> [-SubscriptionId <String>] -Location <String>
[-DataResidencyBoundary <String>] [-DisableLocalAuth]
[-EnableSystemAssignedIdentity] [-EventTypeInfoInlineEventType <Hashtable>] [-EventTypeInfoKind <String>]
[-ExtendedLocationName <String>] [-ExtendedLocationType
<String>] [-IdentityPrincipalId <String>] [-IdentityTenantId <String>] [-InboundIPRule <InboundIPRule[]>] [-InputSchema
<String>] [-Kind <String>]
[-MinimumTlsVersionAllowed <String>] [-PublicNetworkAccess <String>] [-SkuName <String>] [-Tag <Hashtable>]
[-UserAssignedIdentity <String[]>] [-DefaultProfile
<PSObject>] [-AsJob] [-Break] [-HttpPipelineAppend <SendAsyncStep[]>] [-HttpPipelinePrepend <SendAsyncStep[]>]
[-NoWait] [-PassThru] [-Proxy <Uri>] [-ProxyCredential
<PSCredential>] [-ProxyUseDefaultCredentials] [-WhatIf] [-Confirm] [<CommonParameters>]
```

New-AzEventGridTopic -Name <String> -ResourceGroupName <String> [-SubscriptionId <String>] -JsonString <String>
[-DefaultProfile <PSObject>] [-AsJob] [-Break]

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

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

New-AzEventGridTopic -Name <String> -ResourceGroupName <String> [-SubscriptionId <String>] -JsonFilePath
<String> [-DefaultProfile <PSObject>] [-AsJob] [-Break]

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

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

New-AzEventGridTopic -InputObject <IEventGridIdentity> -Location <String> [-DataResidencyBoundary <String>]
[-DisableLocalAuth] [-EnableSystemAssignedIdentity]

[-EventTypeInfoInlineEventType <Hashtable>] [-EventTypeInfoKind <String>] [-ExtendedLocationName <String>]
[-ExtendedLocationType <String>] [-IdentityPrincipalId

<String>] [-IdentityTenantId <String>] [-InboundIPRule <InboundIPRule[]>] [-InputSchema <String>] [-Kind <String>]
[-MinimumTlsVersionAllowed <String>]

[-PublicNetworkAccess <String>] [-SkuName <String>] [-Tag <Hashtable>] [-UserAssignedIdentity <String[]>]
[-DefaultProfile <PSObject>] [-AsJob] [-Break]

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

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

DESCRIPTION

Asynchronously creates a new topic with the specified parameters.

PARAMETERS

-Name <String>

Name of the topic.

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

-InputObject <IEventGridIdentity>

Identity Parameter

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

-Location <String>

Location of the resource.

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-DataResidencyBoundary <String>

Data Residency Boundary of the resource.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-DisableLocalAuth [<SwitchParameter>]

This boolean is used to enable or disable local auth.

Default value is false.

When the property is set to true, only AAD token will be used to authenticate if user is allowed to publish to the topic.

Required? false

Position? named

Default value False

Accept pipeline input? false

Accept wildcard characters? false

-EnableSystemAssignedIdentity [<SwitchParameter>]

Decides if enable a system assigned identity for the resource.

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

-EventTypeInfoInlineEventType <Hashtable>

A collection of inline event types for the resource.

The inline event type keys are of type string which represents the name of the event. An example of a valid inline event name is "Contoso.OrderCreated". The inline event type values are of type InlineEventProperties and will contain additional information for every inline event type.

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

-EventTypeInfoKind <String>

The kind of event type used.

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

-ExtendedLocationName <String>

Fully qualified name of the extended location.

Required? false
Position? named
Default value

Accept pipeline input? false

Accept wildcard characters? false

-ExtendedLocationType <String>

Type of the extended location.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-IdentityPrincipalId <String>

The principal ID of resource identity.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-IdentityTenantId <String>

The tenant ID of resource.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-InboundIPRule <InboundIPRule[]>

This can be used to restrict traffic from specific IPs instead of all IPs.

Note: These are considered only if PublicNetworkAccess is enabled.

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

-InputSchema <String>

This determines the format that Event Grid should expect for incoming events published to the topic.

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

-Kind <String>

Kind of the resource.

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

-MinimumTlsVersionAllowed <String>

Minimum TLS version of the publisher allowed to publish to this topic

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

-PublicNetworkAccess <String>

This determines if traffic is allowed over public network.

By default it is enabled.

You can further restrict to specific IPs by configuring <seealso

cref="P:Microsoft.Azure.Events.ResourceProvider.Common.Contracts.TopicProperties.InboundIpRules"

/>

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-SkuName <String>

The Sku name of the resource.

The possible values are: Basic or Premium.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-Tag <Hashtable>

Tags of the resource.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-UserAssignedIdentity <String[]>

The array of user assigned identities associated with the resource.

The elements in array will be ARM resource ids in the form:

'/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.ManagedIdentity/userAssignedIdentities/{identityName}.'

Required? false

Position? named

Default value

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 \(https://go.microsoft.com/fwlink/?LinkID=113216\)](https://go.microsoft.com/fwlink/?LinkID=113216).

INPUTS

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

OUTPUTS

Microsoft.Azure.PowerShell.Cmdlets.EventGrid.Models.ITopic

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`.

`INBOUNDIPRULE <IInboundIPRule[]>`: This can be used to restrict traffic from specific IPs instead of all IPs. Note: These are considered only if

`PublicNetworkAccess` is enabled.

[Action <String>]: Action to perform based on the match or no match of the `IpMask`.

[IPMask <String>]: IP Address in CIDR notation e.g., 10.0.0.0/8.

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.

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

```
PS C:\>$inboundIpRule = New-AzEventGridInboundIPRuleObject -Action Allow -IPMask "12.18.176.1"
```

```
New-AzEventGridTopic -Name azps-topic -ResourceGroupName azps_test_group_eventgrid -Location eastus  
-PublicNetworkAccess Enabled -InboundIPRule $inboundIpRule
```

RELATED LINKS

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