



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

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

NAME

New-AzEventGridNamespace

SYNOPSIS

Asynchronously creates or updates a new namespace with the specified parameters.

SYNTAX

```
New-AzEventGridNamespace -Name <String> -ResourceGroupName <String> [-SubscriptionId <String>] -Location
<String>

[-ClientAuthenticationAlternativeAuthenticationNameSource <String[]>] [-EnableSystemAssignedIdentity]
[-IdentityPrincipalId <String>] [-IdentityTenantId <String>]

[-InboundIPRule <IInboundIPRule[]>] [-IsZoneRedundant] [-MinimumTlsVersionAllowed <String>]
[-PrivateEndpointConnection <IPrivateEndpointConnection[]>]

[-PublicNetworkAccess <String>] [-RoutingEnrichmentDynamic <IDynamicRoutingEnrichment[]>]
[-RoutingEnrichmentStatic <IStaticRoutingEnrichment[]>]

[-RoutingIdentityInfoType <String>] [-RoutingIdentityInfoUserAssignedIdentity <String>] [-SkuCapacity <Int32>]
[-SkuName <String>] [-Tag <Hashtable>]

[-TopicSpaceConfigurationMaximumClientSessionsPerAuthenticationName <Int32>]
[-TopicSpaceConfigurationMaximumSessionExpiryInHour <Int32>]
```

[-TopicSpaceConfigurationRouteTopicResourceId <String>] [-TopicSpaceConfigurationState <String>]
 [-UserAssignedIdentity <String[]>] [-DefaultProfile <PSObject>]
 [-AsJob] [-Break] [-HttpPipelineAppend <SendAsyncStep[]>] [-HttpPipelinePrepend <SendAsyncStep[]>] [-NoWait]
 [-Proxy <Uri>] [-ProxyCredential <PSCredential>]
 [-ProxyUseDefaultCredentials] [-WhatIf] [-Confirm] [<CommonParameters>]

New-AzEventGridNamespace -Name <String> -ResourceGroupName <String> [-SubscriptionId <String>] -JsonString
 <String> [-DefaultProfile <PSObject>] [-AsJob] [-Break]
 [-HttpPipelineAppend <SendAsyncStep[]>] [-HttpPipelinePrepend <SendAsyncStep[]>] [-NoWait] [-Proxy <Uri>]
 [-ProxyCredential <PSCredential>]
 [-ProxyUseDefaultCredentials] [-WhatIf] [-Confirm] [<CommonParameters>]

New-AzEventGridNamespace -Name <String> -ResourceGroupName <String> [-SubscriptionId <String>] -JsonFilePath
 <String> [-DefaultProfile <PSObject>] [-AsJob] [-Break]
 [-HttpPipelineAppend <SendAsyncStep[]>] [-HttpPipelinePrepend <SendAsyncStep[]>] [-NoWait] [-Proxy <Uri>]
 [-ProxyCredential <PSCredential>]
 [-ProxyUseDefaultCredentials] [-WhatIf] [-Confirm] [<CommonParameters>]

New-AzEventGridNamespace -InputObject <IEventGridIdentity> -Location <String>
 [-ClientAuthenticationAlternativeAuthenticationNameSource <String[]>]
 [-EnableSystemAssignedIdentity] [-IdentityPrincipalId <String>] [-IdentityTenantId <String>] [-InboundIPRule
 <IInboundIPRule[]>] [-IsZoneRedundant]

[-MinimumTlsVersionAllowed <String>] [-PrivateEndpointConnection <IPrivateEndpointConnection[]>]
 [-PublicNetworkAccess <String>] [-RoutingEnrichmentDynamic
 <IDynamicRoutingEnrichment[]>] [-RoutingEnrichmentStatic <IStaticRoutingEnrichment[]>] [-RoutingIdentityInfoType
 <String>] [-RoutingIdentityInfoUserAssignedIdentity
 <String>] [-SkuCapacity <Int32>] [-SkuName <String>] [-Tag <Hashtable>]
 [-TopicSpaceConfigurationMaximumClientSessionsPerAuthenticationName <Int32>]

[-TopicSpaceConfigurationMaximumSessionExpiryInHour <Int32>] [-TopicSpaceConfigurationRouteTopicResourceId
 <String>] [-TopicSpaceConfigurationState <String>]
 [-UserAssignedIdentity <String[]>] [-DefaultProfile <PSObject>] [-AsJob] [-Break] [-HttpPipelineAppend
 <SendAsyncStep[]>] [-HttpPipelinePrepend <SendAsyncStep[]>]
 [-NoWait] [-Proxy <Uri>] [-ProxyCredential <PSCredential>] [-ProxyUseDefaultCredentials] [-WhatIf] [-Confirm]

[<CommonParameters>]

DESCRIPTION

Asynchronously creates or updates a new namespace with the specified parameters.

PARAMETERS

-Name <String>

Name of the namespace.

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

-ClientAuthenticationAlternativeAuthenticationNameSource <String[]>

Alternative authentication name sources related to client authentication settings for namespace resource.

Required? false

Position? named

Default value

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

-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

-IsZoneRedundant [<SwitchParameter>]

Allows the user to specify if the service is zone-redundant.

This is a required property and user needs to specify this value explicitly. Once specified, this property cannot be updated.

Required? false

Position? named

Default value False

Accept pipeline input? false

Accept wildcard characters? false

-MinimumTlsVersionAllowed <String>

Minimum TLS version of the publisher allowed to publish to this namespace.

Only TLS version 1.2 is supported.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-PrivateEndpointConnection <IPrivateEndpointConnection[]>

.

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.PubSub.NamespaceProperties.InboundIpRules"

/>

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-RoutingEnrichmentDynamic <IDynamicRoutingEnrichment[]>

.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-RoutingEnrichmentStatic <IStaticRoutingEnrichment[]>

.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-RoutingIdentityInfoType <String>

.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-RoutingIdentityInfoUserAssignedIdentity <String>

.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-SkuCapacity <Int32>

Specifies the number of Throughput Units that defines the capacity for the namespace.

The property default value is 1 which signifies 1 Throughput Unit = 1MB/s ingress and 2MB/s egress per namespace.

Min capacity is 1 and max allowed capacity is 20.

Required? false

Position? named

Default value 0

Accept pipeline input? false

Accept wildcard characters? false

-SkuName <String>

The name of the SKU.

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

-TopicSpaceConfigurationMaximumClientSessionsPerAuthenticationName <Int32>

The maximum number of sessions per authentication name.

The property default value is 1.Min allowed value is 1 and max allowed value is 100.

Required? false

Position? named

Default value 0

Accept pipeline input? false

Accept wildcard characters? false

-TopicSpaceConfigurationMaximumSessionExpiryInHour <Int32>

The maximum session expiry in hours.

The property default value is 1 hour.Min allowed value is 1 hour and max allowed value is 8 hours.

Required? false

Position? named

Default value 0

Accept pipeline input? false

Accept wildcard characters? false

-TopicSpaceConfigurationRouteTopicResourceId <String>

Fully qualified Azure Resource Id for the Event Grid Topic to which events will be routed to from TopicSpaces under a namespace.This property should be in the

'/subscriptions/{subId}/resourcegroups/{resourceGroupName}/providers/microsoft.EventGrid/topics/{topicName}'. This topic should reside in the same

region where namespace is located.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-TopicSpaceConfigurationState <String>

Indicate if Topic Spaces Configuration is enabled for the namespace.

Default is Disabled.

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

-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.INamespace

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 <InboundIPRule[]>: 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.

PRIVATEENDPOINTCONNECTION <IPrivateEndpointConnection[]>: .

[GroupId <List<String>>]: GroupIds from the private link service resource.

[PrivateEndpointId <String>]: The ARM identifier for Private Endpoint.

[PrivateLinkServiceConnectionStateActionsRequired <String>]: Actions required (if any).

[PrivateLinkServiceConnectionStateDescription <String>]: Description of the connection state.

[PrivateLinkServiceConnectionStateStatus <String>]: Status of the connection.

[ProvisioningState <String>]: Provisioning state of the Private Endpoint Connection.

ROUTINGENRICHMENTDYNAMIC <IDynamicRoutingEnrichment[]>: .

[Key <String>]: Dynamic routing enrichment key.

[Value <String>]: Dynamic routing enrichment value.

ROUTINGENRICHMENTSTATIC <IStaticRoutingEnrichment[]>: .

[Key <String>]: Static routing enrichment key.

[ValueType <String>]: Static routing enrichment value type. For e.g. this property value can be 'String'.

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

```
PS C:\>New-AzEventGridNamespace -Name azps-eventgridnamespace -ResourceGroupName  
azps_test_group_eventgrid -Location eastus -TopicSpaceConfigurationState Enabled
```

RELATED LINKS

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