

Event Bridge

FAQs

Product Documentation



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Concept

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What is EventBridge?

Tencent Cloud EventBridge is a secure, stable, and standardized serverless event management platform. It supports standardized and centralized connections of Tencent Cloud services, custom applications, and SaaS applications, helping you easily implement a serverless event-driven architecture (EDA).

What are the benefits and strengths of EventBridge?

Ease of use

EventBridge provides fully managed, Ops-free, and deployment-free serverless event management services, which rid you of the need to care about supporting components of event services and make your event-driven architecture (EDA) construction much easier.

Standardized connection

EventBridge provides a unified Put Event push protocol, which is compatible with CloudEvents 1.0 specifications and fully embraces the open-source community ecosystem.

Fast build

EventBridge supports the Tencent Cloud service event bus and cloud connectors to interconnect multiple data channels. You can quickly import data into it after simple necessary configurations. You can also convert and cleanse events in the cloud to meet the needs in various event use cases.

High availability

EventBridge can be deployed in a distributed cluster across availability zones (AZs) in a region-specific manner to offer strong disaster recovery capabilities. In this way, EventBridge can still be available even when some nodes or AZs are abnormal. In addition, it leverages different Tencent Cloud services to meet the needs of different business scenarios and make your service architecture even more robust.

Supporting capabilities

EventBridge offers various capabilities such as event query, log, and audit as well as full-linkage tracing. It also provides basic EDA capabilities, including event replay, backup, and retry policy.

What are the differences between the Tencent Cloud service event bus and a custom event bus?

Tencent Cloud service event bus: It is used to collect Cloud Monitor events and CloudAudit events generated by Tencent Cloud services in all regions. This event bus is created in the Guangzhou region by default and cannot be deleted. Note that exception alarms and CloudAudit events generated by Tencent Cloud services are delivered only to the Tencent Cloud service event bus.

Custom event bus: It is an event bus created and managed by yourself. Events of your applications can be published only to your custom event buses.

How is EventBridge billed?

EventBridge is a pay-as-you-go service. For more information, see [Purchase Guide](#).

What permissions do I need to use EventBridge?

Tencent Cloud EventBridge uses [Tencent Cloud Access Management \(CAM\)](#) to manage permissions. CAM is a permission and access management service that helps you securely manage the access permissions to resources under your Tencent Cloud account. With CAM, you can create, manage and terminate users and user groups and use identity and policy management to control user access to Tencent Cloud resources. Before using EventBridge, you need to activate it as instructed in [Activating EventBridge](#).

Alarm

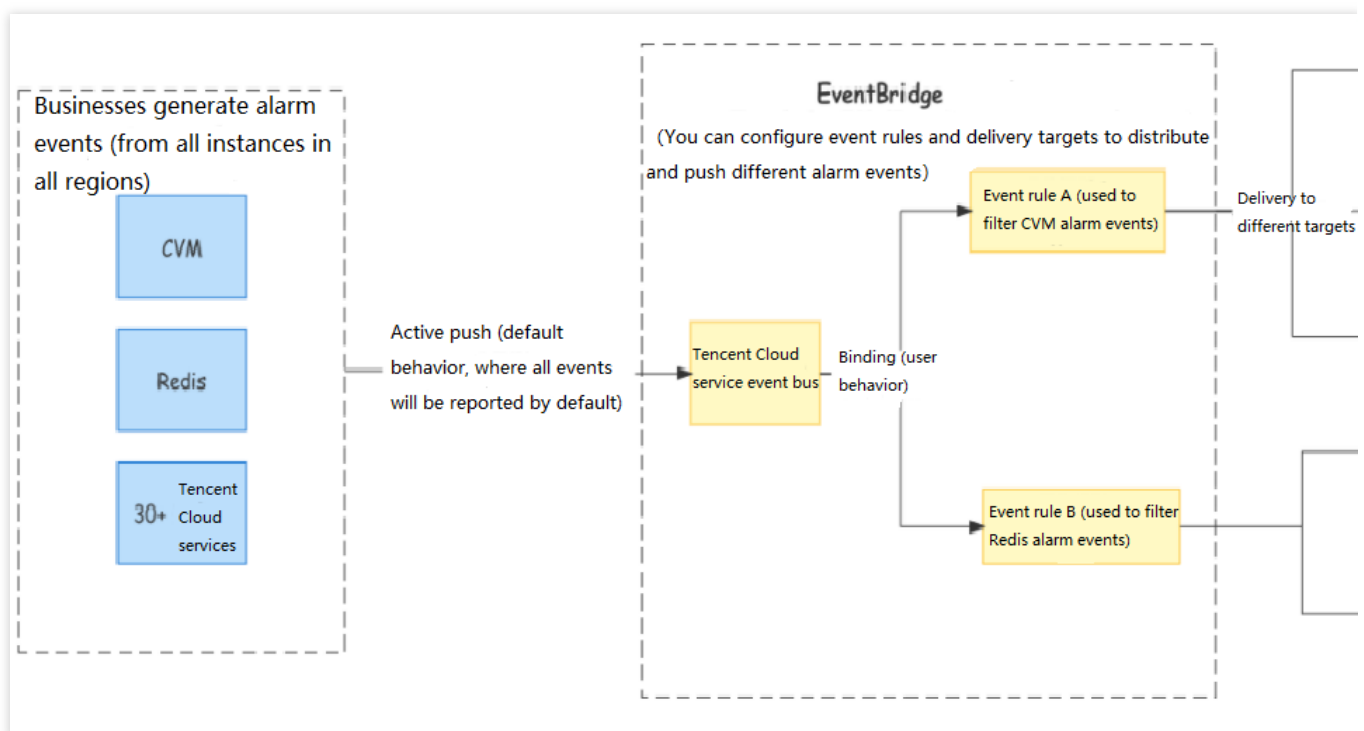
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1. EventBridge is supported only in some regions. How do I process alarm events in other regions?

Alarm events from all regions can be received and processed by EventBridge, as the alarm events generated by businesses in different regions will be delivered to the Tencent Cloud service event bus in the Guangzhou region in a unified manner. You can manage all events delivered by services in different regions in this event bus.

2. Will global monitoring be performed on instances under the current account in the event alarm scenario?

EventBridge can report all instance alarm events, which are actively pushed by businesses. Once an alarm is triggered, it will be automatically sent to EventBridge over the default linkage. You can also configure filter rules and delivery targets in the EventBridge console to determine how to process the delivered events. The process is as follows:



3. How is EventBridge billed?

For Tencent Cloud service event delivery and alarm push event processing, the Tencent Cloud service event bus in EventBridge will be free of charge. If you connect EventBridge to and use other Tencent Cloud services such as SCF

and CKafka in the downstream, you will be charged according to the billing rules of the corresponding services. For more information, see [Purchase Guide](#).

Note:

For CLS delivery targets, we provide a free tier of 1 GB per 30 days for log storage to help you manage and trace back event alarm messages.

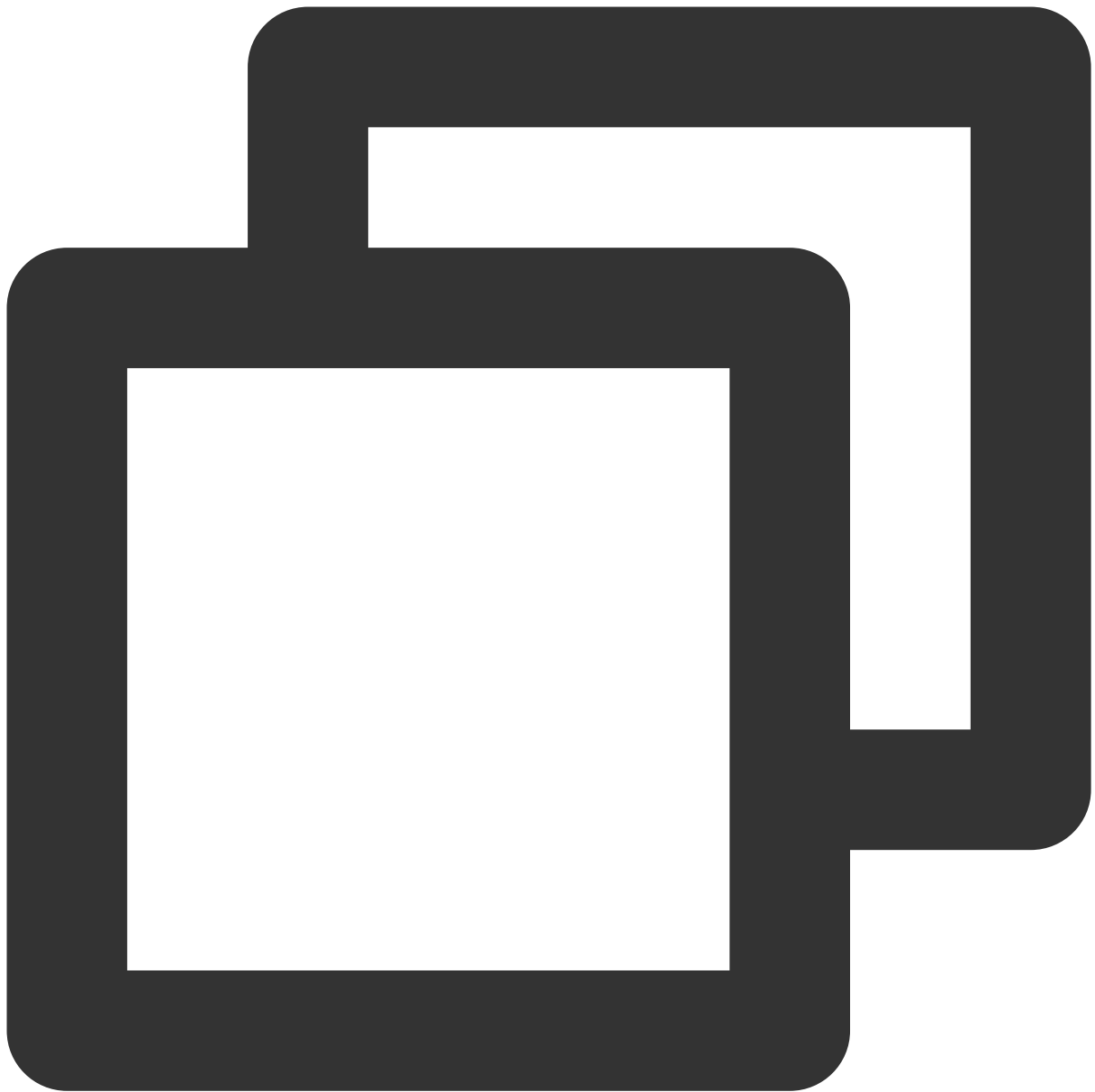
4. How do I bind an alarm instance?

In an EventBridge Linkage, the events of **all instances in all regions** are reported automatically by default, and you don't need to manually bind the instances. However, you can configure event rules to determine which events from which instances need to be pushed.

Event rule examples:

Receiving all events

Set `source` to `cvm.cloud.tencent` , which indicates to receive and deliver all alarm events from CVM:



```
{  
  "source": "cvm.cloud.tencent"  
}
```

Receiving specified events

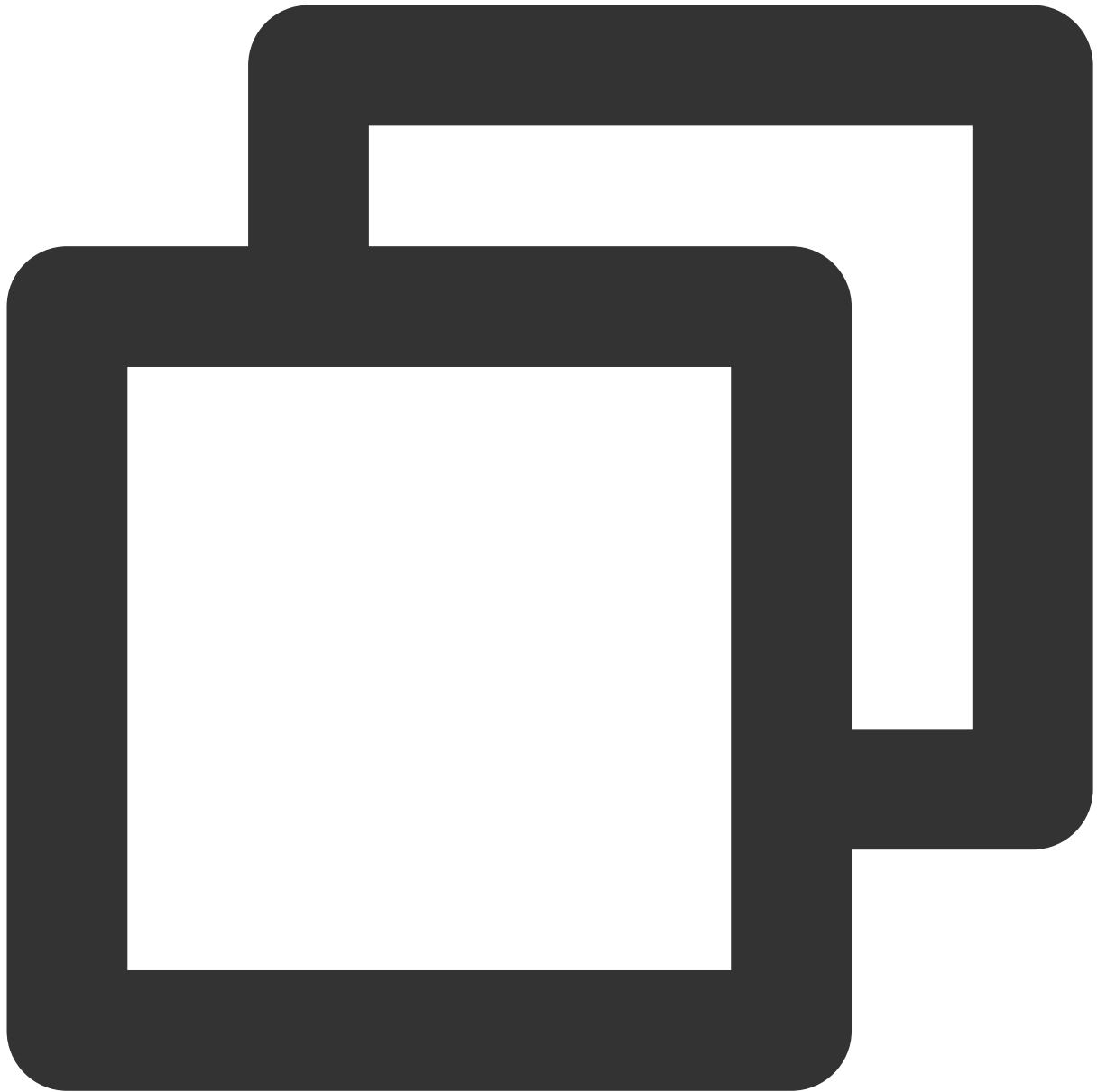
Only "ping unreachable" events from CVM are delivered. All other events will be discarded.



```
{  
  "source": "cvm.cloud.tencent",  
  "type": "cvm:ErrorEvent:PingUnreachable"  
}
```

Receiving events from the specified instance

Receive and deliver events of the CVM instance "ins-XXX" only. Other events are discarded.



```
{  
  "source": "cvm.cloud.tencent",  
  "subject": "ins-xxxxxxx"  
}
```

5. How do I configure the thresholds supported by Cloud Monitor in the EventBridge console?

You can migrate only event alarms to EventBridge. Thresholds are metric alarms and still managed in the Cloud Monitor console.

The screenshot shows the 'Trigger condition' section of the EventBridge console. It has two main sections: 'Metric alarm' and 'Event Alarm'. The 'Metric alarm' section is selected with a blue checkmark. It contains a configuration area where the alarm is triggered when 'any' conditions are met. The condition is set to 'if CPUUtilization' with a 'Statistical Period' of '>' and a value of '0 %'. Below this, it says 'Alarm once every 1 c' with an information icon. There is an 'Add' button. The 'Event Alarm' section is also selected with a blue checkmark. It contains a dropdown menu with 'DiskReadonly' selected. There is an 'Add' button below it.

6. Why can't I receive Tencent Cloud service exception alarms after migration from Cloud Monitor to EventBridge?

Typical causes are as follows:

No alarm rule is configured on the Cloud Monitor side, or a new alarm recipient needs to be configured:

Check that you have configured an alarm rule for the Tencent Cloud service event bus (only available in the Guangzhou region). For more information, see [Alarm Policy Configuration](#).

The alarm rule is configured for a custom event bus instead of the Tencent Cloud service event bus:

Cloud Monitor and CloudAudit events generated by Tencent Cloud services can be received only by the Tencent Cloud service event bus. Therefore, you must configure a Tencent Cloud service alarm rule for the Tencent Cloud service event bus.

The written event pattern has an error:

For more information, see [Event Pattern](#).

The event length is too long, causing push failure in some channels:

For SMS message delivery, a notification message can contain up to 500 characters. For phone delivery, a notification message can contain up to 350 characters. If fields such as the instance name are too long, notification messages may fail to be sent due to excessive length. You are advised to configure multiple delivery channels at the same time.

7. How do I view the alarm message history?

The **linkage tracing** feature is added to EventBridge to help you better trace and backtrack the event delivery history.

For how to use the feature, see [Linkage Tracing](#).

Billing

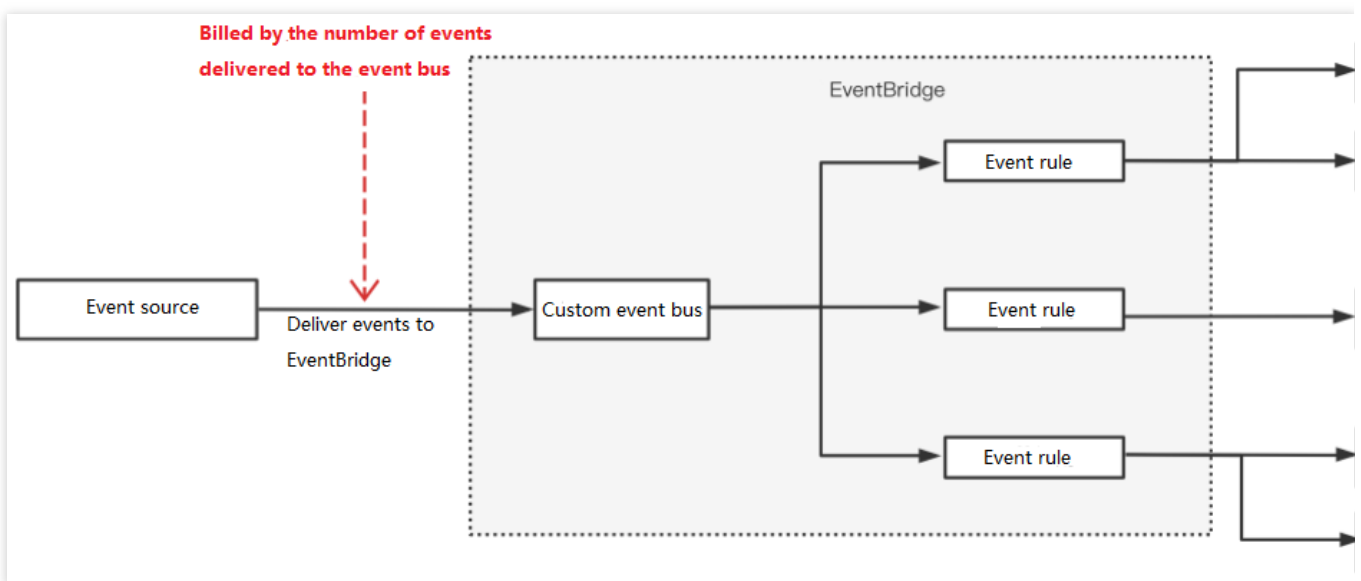
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1. How are cloud service alarm events billed?

Free

2. How are custom event buses billed?

If you create a **custom event bus**, fees will be charged by the number of events delivered to it. For billing details, see [Product Pricing](#).



3. Will fees be charged if I only create an event bus without no events delivered to it?

No. EventBridge is pay-as-you-go and only charges fees when events are delivered to event buses.

4. What is the logic of fee freezing?

EventBridge pushes the usage data to the billing platform hourly, and the actual bill amount is deducted daily. When a **custom event bus** is created, 0.64 USD will be frozen and will be unfrozen and refunded after the event bus is deleted. If your account balance is less than 0.64 USD, event bus creation will fail.

5. Will fees be charged when a TDMQ trigger is used in SCF?

If you configure a TDMQ trigger in SCF, as the underlying layer uses EventBridge to complete triggering, fees will be charged by EventBridge according to the same billing rule.