

Event Bridge

Event Bus

Product Documentation



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Event Bus

Overview

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An event bus receives events from event sources and can be used normally after being bound to a specific event rule.

This document describes the types of event buses.

The types of event buses in EventBridge include:

Tencent Cloud service event bus: It is the default event bus created in the **Guangzhou** region. [Cloud service monitoring events](#) and [Cloud Audit events](#) generated by Tencent Cloud services will be automatically delivered to this event bus. You cannot manually create or delete it.

Custom event bus: It is an event bus that you create and manage by yourself and is used to receive events from your applications. Events of your applications can be delivered only to custom buses.

To ensure the observability of each event delivery linkage, you can enable the [linkage tracing](#) feature when creating an event bus.

Creating Event Bus

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Event bus is one of the most basic resource units in EventBridge. You can configure an event bus to receive events from an event source. This document describes how to create an event bus.

Directions

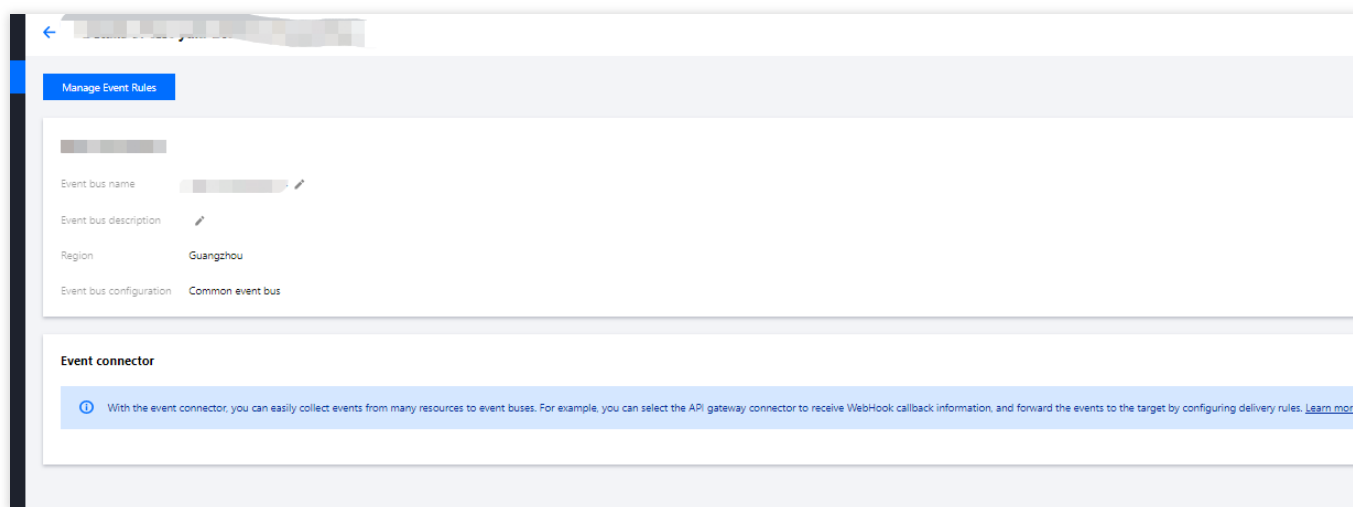
1. Log in to the EventBridge console and select **Event Bus** on the left sidebar.
2. At the top of the **Event Bus** list page, select the region where you want to create an event bus.
3. Click **Create Event Bus** and enter the relevant information as prompted.

Note:

For more information about event buses, see [here](#).

Only custom event buses can be created.

4. Click the created event bus, and you can configure an event connector as shown below:



5. In the **Create Event Bus Connector** pop-up window, you can select different event sources in **Connector Type**.

Note:

For more information on how to configure a connector, see [here](#).

6. After completing the connector configuration, click **Submit**.

Note:

If you want to cancel creation, click **Cancel**.

Managing Event Bus

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This document describes how to view, edit, delete, and send messages to an event bus.

Prerequisites

You have [created an event bus](#).

Directions

Viewing event bus

You can view the details of an event bus as follows:

1. Log in to the [EventBridge console](#).
2. In the drop-down list at the top of the page, select a region.
3. In the event bus list, click the target event bus.
4. The event bus page displays event bus information such as event bus name, ID, region, description, and configuration.

Editing event bus

1. Log in to the [EventBridge console](#).
2. In the drop-down list at the top of the page, select a region.
3. In the event bus list, click the target event bus.
4. The event bus page displays the editable content such as event bus name and description.

Deleting event bus

1. Log in to the [EventBridge console](#).
2. In the drop-down list at the top of the page, select a region.
3. In the event bus list, find the target event bus and click **Delete** in the **Operation** column on the right.
4. In the pop-up window, click **OK**.

Sending message to event bus

1. Log in to the [EventBridge console](#).
2. In the drop-down list at the top of the page, select a region.
3. In the event list, select the event bus to which you want to send messages.

4. Click **OK**.

Linkage Tracing

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Use Cases

With the event bus linkage tracing capability provided by EventBridge, you can view the details of each event delivered to EventBridge and the complete event processing linkage of the event in EventBridge, facilitating the tracking and management of each event.

Prerequisites

The linkage tracing feature reports your event processing logs to a specified CLS logset and integrates the log content into the EventBridge console for you to search and view. To ensure normal use of the feature, check that you have activated the CLS service and created related service roles. For more information, see [Permission Description](#).

Feature Description

Service Dimension

Event bus: You can configure and bind related linkage tracing feature configuration to event buses.

Reporting Type

Default Delivery

Event logs are reported to the default logset of EventBridge, and EventBridge automatically configures a default index for the logset.

Data in the logset is stored for three days by default.

Logs of all basic events are reported, including logs of Tencent Cloud service alarm events and rule-matched custom event logs that fail to be delivered to targets.

Custom Delivery

Event logs are delivered to a custom logset. In this case, you need to enable **full-text index**.

You can select an appropriate delivery scheme according to your business requirements. Supported delivery schemes are as follows:

After successful event rule matching, report all delivery logs (including successful and failed delivery logs).

After successful event rule matching, report only failed delivery logs.

After successful event rule matching, report only successful delivery logs.

After successful event rule matching, report all delivery logs (including successful and failed delivery logs) and event rule matching failure logs.

After successful event rule matching, report only failed delivery logs and event rule matching failure logs.

After successful event rule matching, report only successful delivery logs and event rule matching failure logs.

Remarks

For a single event ID, if rule matching fails and related delivery is enabled, report a failure log.

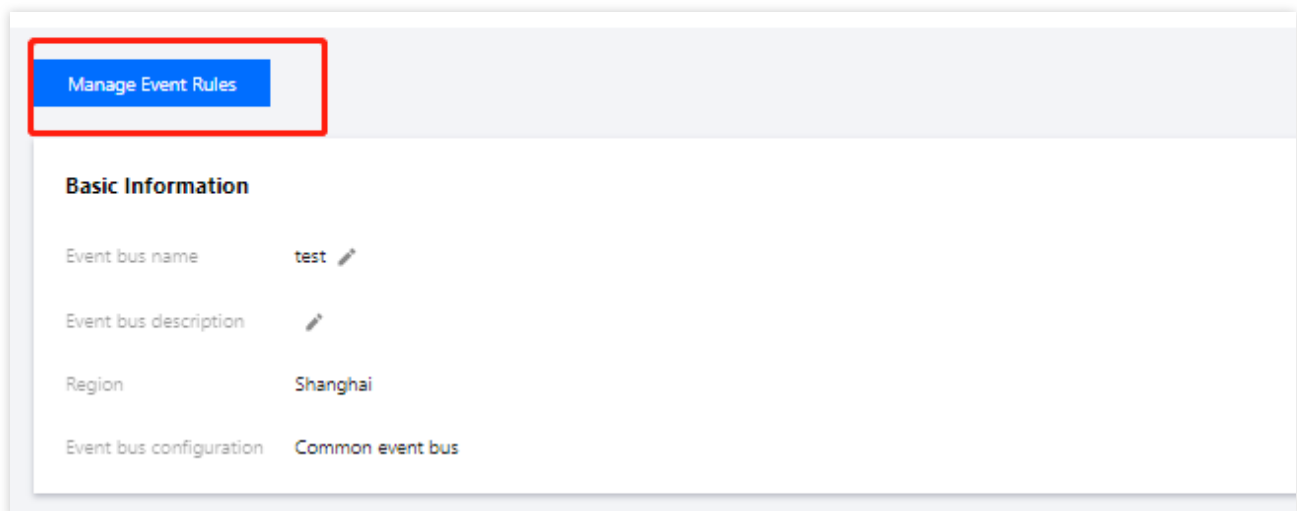
For a single event ID, if rule matching is successful, the delivery result (success or failure) will be reported in the target dimension.

If a log fails to be reported to CLS (due to a platform error, limit exceeding error, or other causes), the log will be discarded.

Directions

Creation Process

1. Log in to the [EventBridge console](#) and select **Event Bus** on the left sidebar.
2. Choose **Create event bus**. When creating an event bus, you can configure the event reporting method. You can select **Default**, **Custom**, or **Enable later** as needed.
3. After creating the event bus, you need to bind an event source connector as needed. On the event bus details page, click **Manage Event Rules** to enter the event rule page.



4. Click **Create event rule**. On the page displayed, enter information as prompted to complete rule and target binding as needed.

←
Create Event Rule

1 Rule Pattern >
 2 Delivery Target

Basic Information

Region Shanghai

Event Bus eb-lhkhqf7t(m120)

Rule Name *

Rule Description

Event Matching

Rule Pattern Default ▼

Tencent Cloud service Data Transmission Service (DTS) ▼

Event Type * Data migration task interrupt... ▼

Rule Pattern Preview *

```

                    1  {
                    2    "source": "dts.cloud.tencent",
                    3    "type": [
                    4      "dts:ErrorEvent:MigratejobInterruption"
                    5    ]
                    6  }
                    7
                
```

Edit
Examples

▶ Test Event Matching

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5. Click **OK**. After the creation is completed, send an event, and you can view the corresponding log on the **Query events** tab page on the event bus details page.

Log Search

On the event query page, you can filter and search logs in a number of ways, as described below.

Tencent Cloud Service Event Bus

1. Log in to the [EventBridge console](#) and select **Event Bus** on the left sidebar.
2. Click the event bus name to enter the event bus event query page.

You can set fields to filter logs.

Field	Description
Time period	By default, event logs in the last 15 minutes are displayed. The time period can be up to

	three days. If you need more logs, filter logs in the CLS console.
Event filter	For the Tencent Cloud service event bus, you can choose to display all events or only Tencent Cloud service alarm events.
Event source & Event type	You can select an existing Tencent Cloud service event source or enter a custom event source. If you select Custom, you need to enter a complete event type name, such as <code>cvm:ErrorEvent:GuestOom</code> , in the Event type field.
Event rule	If an event bus is bound with multiple rules, you can select a rule for filtering so that you can view the delivery logs of events that meet the selected rule.
Event ID	You can specify an event ID to query the track and details of the specified event.

Custom Event Bus

1. Log in to the [EventBridge console](#) and select **Event Bus** on the left sidebar.
2. Click the event bus name to enter the event bus event query page.

You can set fields to filter logs.

Field	Description
Time period	By default, event logs in the last 15 minutes are displayed. The time period can be up to three days. If you need more logs, filter logs in the CLS console.
Event type	For a custom event bus, you need to enter a complete event type name, such as <code>cvm:ErrorEvent:GuestOom</code> .
Event rule	If an event bus is bound with multiple rules, you can select a rule for filtering so that you can view the delivery logs of events that meet the selected rule.
Event ID	You can specify an event ID to query the track and details of the specified event.

Event Details

1. Log in to the [EventBridge console](#) and select **Event Bus** on the left sidebar.
2. Click the event bus name to enter the event bus event query page. Click **View details** in the event list. Then you can see the complete content, delivery result, time elapsed, and other detailed information of the event.

The time elapsed is the result of **the target delivery time minus the time when the event reaches the event bus**. If a retry occurs due to a delivery failure, the retry interval is added to the time elapsed.

For the tracing records of the same event under the same rule, up to 10 result records (the first five and last five records) are displayed.

Billing Description

The linkage tracing capability itself is not charged. However, because logs are reported to CLS and CLS is billed separately, certain fees may incur. For details about the billing method, see [CLS Billing Overview](#).