

TDMQ for Pulsar

Purchase Guide

Product Documentation



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Billing Overview

Last updated : 2022-02-11 10:27:47

Note :

- The free beta test of TDMQ for Pulsar will end on December 1, 2021, and billing will officially start then.
- To reward you for taking part in the beta test, we will offer you a 1-month free trial, and you can use the service free of charge between December 1, 2021 and December 31, 2021.

This document describes TDMQ for Pulsar's billing mode and billable items.

Billing Mode

TDMQ for Pulsar is pay-as-you-go.

Pay-as-You-Go billing

Pay-as-You-Go is a flexible billing mode of TDMQ for Pulsar. You can start and terminate instances at any time and only pay for what you use. The billable usage is accurate down to the minute with fees settled hourly, and you don't need to pay upfront. This billing mode is suitable for application scenarios where the number of messages is low or fluctuates greatly and can effectively avoid the waste of resources.

For the specific pay-as-you-go prices of TDMQ for Pulsar, see [Pricing Overview](#).

Billable Items

Billable Item	Description
API call	The number of API calls refers to the total number of API calls made by you to send and receive messages with TDMQ for Pulsar. It equals to the number of API calls for sending messages plus the number of API calls for subscribing to messages. The API call price varies by region. For details, see Pricing Overview .

Billable Item	Description
Message storage	This billable item linearly charges you for the total size in GB of all your messages, and the price varies by region. For details, see Pricing Overview .
Partition topic resource usage	This billable item linearly charges you for the number of partition topics you create, and the price varies by region. For details, see Pricing Overview .

Purchase Methods

Last updated : 2022-02-11 10:28:11

This document describes how to purchase TDMQ for Pulsar.

You can purchase TDMQ for Pulsar in the console. Currently, it is pay-as-you-go. For more information, see [Billing Mode](#).

Prerequisites

You have [signed up for a Tencent Cloud account](#).

Directions

1. Log in to the [TDMQ for Pulsar console](#).
2. On the **Cluster Management** page, create a pay-as-you-go cluster in the target region as needed and prompted.
3. Create a topic and partition in the cluster, and then pay-as-you-go billing will start automatically.

Pricing Overview

Last updated : 2022-03-17 17:11:56

This document describes the pricing details and free tiers of each billable item of TDMQ for Pulsar.

Pay-as-You-Go

API call price

TDMQ for Pulsar adopts tiered pricing for API calls. **API call fees = (number of API calls for message sending + number of API calls for message consumption) * API call unit price.**

The unit price of API call (USD/million calls) is as shown below:

Billing Tier	API Calls (Million/Month)	Call Unit Price (USD/Million Calls)		
		Guangzhou, Shanghai, Nanjing, Beijing, Chengdu	Hong Kong (China), Singapore, Seoul, Silicon Valley, Toronto, Frankfurt	Shenzhen Finance, Beijing Finance
Tier 1	$N \leq 1000$	0.3265	0.2512	0.4019
Tier 2	$1000 < N \leq 5000$	0.2939	0.226	0.3617
Tier 3	$5000 < N \leq 10000$	0.2449	0.1884	0.3014
Tier 4	$10000 < N \leq 50000$	0.2122	0.1633	0.2612
Tier 5	$N > 50000$	0.1959	0.1507	0.2411

The maximum message body size is 5 MB, and the number of API calls is calculated at different rates according to the message size:

Message Size	Rate
$N \leq 2$ KB	1
2 KB $< N \leq 4$ KB	2
4 KB $< N \leq 16$ KB	4

Message Size	Rate
16 KB < N ≤ 100 KB	16
100 KB < N ≤ 1 MB	64
1 MB < N ≤ 5 MB	256

For example, one 10 KB message (publishing or subscribing) request will be charged as **4** API calls.

Note

The number of API calls for consuming messages refers to the number of messages pushed by the broker to consumers, which may be numerically greater than the number of messages actually acknowledged by consumers. Scenarios where this happens include:

1. When a large number of messages are retained, consumers will prefetch a certain number of messages during connection, and multiple unacknowledged messages will be recorded as multiple API calls for consuming messages. In this case, the number of API calls for consuming messages will be greater than the number of messages actually acknowledged by consumers.
2. When tag messages are consumed, multiple consumers are usually started. In this case, the number of API calls for consuming messages will be greater than the number of messages actually acknowledged by consumers.

Message storage price

TDMQ for Pulsar adopts linear billing for message storage. **Message storage fees = message storage size * message storage unit price.**

The unit price of message storage (USD/GB/hour) is as shown below:

Region	Guangzhou, Shanghai, Nanjing, Beijing, Chengdu	Hong Kong (China), Singapore, Seoul, Silicon Valley, Toronto, Frankfurt	Shenzhen Finance, Beijing Finance
Unit price (USD/GB/hour)	0.0003	0.0003	0.0006

Note :

1. When the message retention policy is set to persistent retention, even if a message is consumed, it will still be persistently stored according to the maximum retention time, resulting in additional message storage fees.
2. In TDMQ for Pulsar, message data is stored on the Bookie storage node of the BookKeeper cluster in the form of ledger. Even if deletion after consumption is configured, when the ledger is turned on, the async cleaner will not clear the message data. If some messages are not consumed for a long time, other messages in the same ledger may keep consuming the storage space, resulting in additional message storage fees.

Partition topic resource usage price

TDMQ for Pulsar adopts linear billing for partition topic resource usage. **Partition topic resource usage fees = number of partition topics * partition topic resource usage unit price.**

The number of partition topics in TDMQ for Pulsar refers to the sum of all partitions of all topics; that is, if there are two three-partition topics, the number of partition topics is $2 * 3 = 6$.

The unit price of partition topic resource usage (USD/piece/day) is as shown below:

Region	Guangzhou, Shanghai, Nanjing, Beijing, Chengdu	Hong Kong (China), Singapore, Seoul, Silicon Valley, Toronto, and Frankfurt	Shenzhen Finance, Beijing Finance
Unit price (USD/piece/day)	0.025	0.032	0.040

Note :

The partition topic resource usage fees in TDMQ for Pulsar are charged by day; that is, a partition topic resource created at any time on a natural day will incur a full day's fees on the next natural day even if its actual usage time is less than 24 hours.

Free Tiers

TDMQ for Pulsar offers certain free tiers to each root account for pay-as-you-go billable items in each region:

Billable Item	Free Tier	Accumulation Method
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Billable Item	Free Tier	Accumulation Method
API call	10 million	Accumulated monthly by region
Message storage	1 GB	Accumulated monthly by region
Partition topic	2000	Accumulated monthly by region

The free tiers will be used first to deduct the cumulative usage of all clusters in each region under each root account, and they are shared between different clusters in the same region.

Payment Overdue

Last updated : 2022-02-11 10:28:49

Notes

- When you no longer use pay-as-you-go TDMQ for Pulsar resources, terminate them as soon as possible to avoid further fee deductions.
- After TDMQ for Pulsar is terminated/reposessed, the data in it will be cleared and cannot be recovered.
- As your actual resource consumption may change over time, there may be some deviation in the balance alert.

Overdue Payment Reminder

Pay-as-You-Go resources are billed on the hour. When your account balance becomes negative, your Tencent Cloud account creator, global resource collaborators, and financial collaborators will be notified by email and SMS.

Overdue Payment Policy

You can continue to use TDMQ for Pulsar for 2 hours after your account balance becomes negative. We will also continue to bill you for this period. After 2 hours, the TDMQ for Pulsar service will be stopped, and billing will also stop.

After the service is stopped, the system will process TDMQ for Pulsar as follows:

Time after service suspension	Description
≤ 15 days	If your account is topped up to a positive balance, the billing will continue, and you can restart TDMQ for Pulsar.
	If your account balance remains negative, TDMQ for Pulsar cannot be restarted.
>15 days	If your account is not topped up to a positive balance, your pay-as-you-go TDMQ for Pulsar resources will be reposessed and released. All data will be deleted and

cannot be recovered. When your resources are repossessed, your Tencent Cloud account creator and all collaborators will be notified by email and SMS.

Refund

Last updated : 2022-02-11 10:29:01

TDMQ for Pulsar purchased in pay-as-you-go billing mode cannot be refunded.