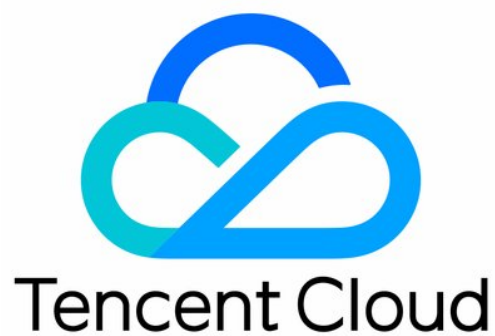


# **TDMQ for Pulsar**

## **Release Notes and Announcements**

### **Product Documentation**



## Copyright Notice

©2013-2019 Tencent Cloud. All rights reserved.

Copyright in this document is exclusively owned by Tencent Cloud. You must not reproduce, modify, copy or distribute in any way, in whole or in part, the contents of this document without Tencent Cloud's the prior written consent.

## Trademark Notice



All trademarks associated with Tencent Cloud and its services are owned by Tencent Cloud Computing (Beijing) Company Limited and its affiliated companies. Trademarks of third parties referred to in this document are owned by their respective proprietors.

## Service Statement

This document is intended to provide users with general information about Tencent Cloud's products and services only and does not form part of Tencent Cloud's terms and conditions. Tencent Cloud's products or services are subject to change. Specific products and services and the standards applicable to them are exclusively provided for in Tencent Cloud's applicable terms and conditions.

# Contents

## Release Notes and Announcements

- New Features

- Cluster Version Updates

- Announcements

  - Official Launch of TDMQ for Pulsar

  - TDMQ for Pulsar's Support for CAM Authorization at All Resource Levels

  - Suspension of Feature Update for Tencent Cloud SDK

# Release Notes and Announcements

## New Features

Last updated : 2022-07-29 18:52:14

### June 2022

Update	Description	Release Date	Documentation
Supported creating non-persistent messages	You can choose to create non-persistent messages in the console and select the number of partitions for such messages.	2022-06-29	<a href="#">Topic Management</a>
Supported setting limits on cluster quotas	To enhance the stability of virtual clusters, limits are imposed on some cluster quotas (existing clusters are not affected): <ul style="list-style-type: none"><li>The range of the TTL for new namespaces is changed to 60 seconds–1 day.</li><li>For new virtual clusters, the maximum production/consumption TPS per topic partition is reduced from 50,000 to 5,000, and the maximum production/consumption bandwidth per topic partition is reduced from 50 MB/s to 5 MB/s, so as to avoid the mutual impact between users due to excessive traffic.</li></ul>	2022-06-29	<a href="#">Use Limits</a>

Supported filtering topics by <b>Type</b> and <b>Creator</b> in the message topic list	-	2022-06-29	<a href="#">Topic Management</a>
--	---	------------	----------------------------------

## December 2021

Update	Description	Release Date	Documentation
Supported displaying the list of topic producers	You can view the list of topic producers, which helps you locate producer issues more easily.	2021-12-23	<a href="#">Producer Management</a>
Added the display of producer/consumer counts and cap alarms	The numbers of producers/consumers and alarms for caps are displayed to promptly notify you of any exceptions in a topic.	2021-12-23	<a href="#">Topic Management</a>
Supported displaying the number of retries and acknowledgment status for message trace	Message trace allows you to view the consumer subscription types, retries, and acknowledgment status of consumers.	2021-12-23	<a href="#">Message Query and Trace</a>
Supported the pay-as-you-go billing mode for TDMQ for Pulsar	TDMQ for Pulsar becomes pay-as-you-go and will be billed starting from January 2022.	2021-12-23	<a href="#">Billing Overview</a>

## October 2021

Update	Description	Release Date	Documentation
Supported cluster-level statistics collection	Cluster-level statistics can be collected, making it easier for you to view the usage details of clusters as a whole. This feature is launched to support the future pay-as-you-go billing mode.	2021-10-27	<a href="#">Cluster Management</a>
Supported tag management	Resource tagging and tag authentication with CAM are supported. Resource management is supported for proprietary cloudified businesses.	2021-10-27	<a href="#">Managing Resource with Tag</a>
Added topic-level alarms	Topic-level alarms are added for production/consumption speed and traffic and online producer/consumer count.	2021-10-27	<a href="#">Alarm Configuration</a>
Supported blocking public network access to clusters	-	2021-10-27	<a href="#">Cluster Management</a>

## August 2021

Update	Description	Release Date	Documentation
Supported setting the message retention period policy	<ul style="list-style-type: none"> <li>Deletion after consumption: Messages will be cleared within a certain period of</li> </ul>	2021-08-19	<a href="#">Namespace</a>

<p>in namespaces</p>	<p>time after being acknowledged successfully to save the storage space.</p> <ul style="list-style-type: none"> <li>• Persistent retention: No matter whether messages are consumed or not, they will be stored persistently within the maximum retention period and maximum storage space and then deleted chronologically after the limit is reached.</li> </ul>		
<p>Supported force deletion of topics and subscriptions</p>	<ul style="list-style-type: none"> <li>• Force deletion of topics: A topic will be force deleted even if it has subscriptions.</li> <li>• Force deletion of subscriptions: A subscription will be force deleted even if it has active consumer connections.</li> </ul>	<p>2021-08-19</p>	<p><a href="#">Namespace</a></p>

## May 2021

Update	Description	Release Date	Documentation
<p>Launched clusters on v2.7.1</p>	<p>TDMQ for Pulsar now supports clusters on v2.7.1.</p> <ul style="list-style-type: none"> <li>• The cluster version is updated</li> </ul>	<p>2021-05-31</p>	<p><a href="#">Cluster Version Updates</a></p>

	<p>to open-source Pulsar 2.7.1 to support more features and simplify connection.</p> <ul style="list-style-type: none"> <li>The <code>listenerName</code> dependency is removed for the new cluster version, so you don't need to declare <code>listenerName</code> when connecting to a cluster on v2.7.1 or later from an open-source Pulsar client.</li> </ul>		
--	---	--	--

## January 2021

Update	Description	Release Date	Documentation
Launched the cluster management feature	You can create virtual clusters (which share the underlying resources) and exclusive clusters (which use the underlying resources exclusively) in the console.	2021-01-14	<a href="#">Cluster Management</a>

## October 2020

Update	Description	Release Date	Documentation



Launched the message query and message trace features	On the <b>Message Query</b> page, you can query the details and trace of a message, including the message content, parameters, duration of each stage, execution result, producer IP, and consumer IP.	2020-10-30	<a href="#">Message Query and Trace</a>
Started the open beta test for TDMQ for Pulsar	The open beta test for TDMQ for Pulsar is officially started, and TDMQ for Pulsar can be activated for trial without application. The open beta test has certain limits on the maximum QPS, maximum number of topics, and delayed message concurrency.	2020-10-12	-

## September 2020

Update	Description	Release Date	Documentation
Supported connection to TDMQ for Pulsar from native Pulsar clients	You can connect to TDMQ for Pulsar from native Pulsar clients. For security reasons, you need to configure the appropriate role	2020-09-17	<ul style="list-style-type: none"> <li><a href="#">Role and Authentication</a></li> <li><a href="#">JWT Authentication Configuration</a></li> </ul>

	permissions in the console and configure the token on the client (which works in the same way as JWT token authentication used in the community).		
Upgraded TDMQ for Pulsar in closed beta test to support the native SDK	TDMQ for Pulsar will be suspended and upgraded between 09:00 AM and 12:00 PM on September 17, 2020 to support connection from native Pulsar clients.	2020-09-11	-

## August 2020

Update	Description	Release Date	Documentation
Launched TDMQ for Pulsar in multiple regions	TDMQ for Pulsar will be available in the Shanghai region starting from August 9, 2020 and in the Beijing and Chengdu regions starting from August 18, 2020.	2020-08-18	-

## June 2020

Update	Description	Release Date	Documentation

<p>Launched TDMQ for Pulsar</p>	<p>TDMQ for Pulsar is a proprietary finance-grade distributed message middleware developed based on Pulsar, a top open-source project of Apache. It features high consistency, reliability, and concurrency. Currently, it is widely used in Tencent's billing scenarios, including core transaction as well as real-time reconciliation, monitoring, and big data analysis.</p>	<p>2020-06-04</p>	<p><a href="#">Overview</a></p>
---------------------------------	--	-------------------	---------------------------------

# Cluster Version Updates

Last updated : 2022-02-11 10:24:30

This document describes the updates to TDMQ for Pulsar clusters as well as relevant notes.

## Version 2.7.1

**Release date:** May 17, 2021

**Full switch:** June 2021

### Release notes:

Update Type	Update	Description	Documentation
Optimization	Unified domain name access	<ul style="list-style-type: none"> <li>A unique domain name is automatically generated for each network environment of each cluster as the access address, so you don't need to manually create and manage access points.</li> <li>The dependency that declares <code>listenerName</code> is removed, so the SDK is more compatible with TCP clients in the community that are not adapted to multiple advertised listeners in Pulsar (including C++, Python, and Node.js).</li> </ul>	<ul style="list-style-type: none"> <li><a href="#">Apache Pulsar SDK for C++</a></li> <li><a href="#">Apache Pulsar SDK for Python</a></li> <li><a href="#">Apache Pulsar SDK for Node.js</a></li> </ul>
Addition	Support for public network access	Public network access is supported, so you can access a TDMQ for Pulsar cluster in Tencent Cloud from a TCP client in your local system or self-built IDC.	<a href="#">Getting Access Address</a>
Optimization	Update to the naming conventions for the retry letter and dead letter topics	The naming conventions for the retry letter and dead letter topics are updated to the same as used by the Pulsar community, so that they are more compatible with open-source SDKs (the new naming conventions are not applicable to the original Tencent Cloud SDK)	<a href="#">Message Retry and Dead Letter Mechanisms</a>

Update Type	Update	Description	Documentation
Optimization	Performance optimization	Clusters on v2.7.1 are optimized at the system kernel level to achieve a 20% higher peak production/consumption performance than clusters on v2.6.x. In addition, they can be scaled imperceptibly according to the actual usage.	-
Addition	Support for protocol-compatible plugins (in closed beta test)	You can install plugins compatible with AMQP, RocketMQ, and CMQ in clusters on v2.7.1. Currently, this feature is in beta test. After it is officially launched, you will be able to access TDMQ for Pulsar from popular message queue clients with no modifications required, which will make it easier for you to migrate existing businesses.	-

## Version 2.6.1

**Release date:** October 12, 2020

**Full switch:** October 2020

### Release notes:

Update Type	Update	Description	Documentation
Optimization	Stability enhancement	Issues discovered during the beta test are fixed, significantly improving the cluster stability.	-
Optimization	Hot/Cold data isolation in ZooKeeper	The ZooKeeper component of the Pulsar kernel adopts the deployment architecture of hot/cold data isolation, where metadata and cluster broker configuration data are deployed separately in two ZooKeeper instances to increase the cluster stability.	-
Addition	Support for creation of virtual clusters	You can create virtual clusters in the console for resource isolation.	-

### Upgrade notes:

- All newly created clusters will be automatically on the latest version in the current region.
- To switch to the new cluster version on your own, follow the steps below:
  1. Create a cluster (all newly created clusters are on the latest version) and a copy of completely identical metadata (namespaces, role permissions, topics, and subscriptions).
  2. Replace the original production/consumption access point in the client code with the access address of the new cluster.
  3. Replace the authentication information (token) in the client code with the token of the new cluster.
  4. Switch the producer client first (recreate a producer application and deploy it in the production environment).
  5. Wait for all retained messages in the original cluster to be consumed and then switch the consumer client (recreate a consumer application and deploy it in the production environment).

# Announcements

## Official Launch of TDMQ for Pulsar

Last updated : 2022-04-02 10:13:20

Since the start of TDMQ for Pulsar beta test on October 12, 2020, two versions have been launched. 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.

After its commercial launch, TDMQ for Pulsar will be billed by **API call, message storage, and partitioned topic resource usage** on a pay-as-you-go basis with certain free tiers provided. For more information, see [Purchase Guide](#).

# TDMQ for Pulsar's Support for CAM Authorization at All Resource Levels

Last updated : 2022-04-02 10:14:03

The TDMQ for Pulsar console was upgraded to support CAM authorization for all resource levels from cluster to topic on July 9, 2021. After the upgrade, some sub-accounts will have no permissions to view and manipulate unauthorized resources.

You can prompt the root account to authorize resources in the CAM console as instructed [here](#).

Be assured that the permissions in the console **do not affect** business data streams.



---

# Suspension of Feature Update for Tencent Cloud SDK

Last updated : 2022-04-02 10:14:22

In order to be more consistent with the Pulsar open-source community, we have stopped feature updates for the Tencent Cloud SDK since April 30, 2021. We recommend you use the Apache Pulsar SDK.

If you are using the Tencent Cloud SDK, and you are sure that you don't use the features of tag filtering and backoff delayed message, you can directly replace it with the Apache Pulsar SDK.

For more information, see the [SDK documentation](#).