

# **TDMQ for Apache Pulsar**

## **Release Notes and Announcements**

### **Product Documentation**



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# Release Notes and Announcements

## Release Notes

Last updated : 2023-10-30 10:41:44

### June 2023

Update	Description	Release Date	Documentation
Supported creating subscriptions automatically	You can choose whether to enable "Auto-Create Subscription" when creating a namespace.	2023-06-20	<a href="#">Namespace</a>

### May 2023

Update	Description	Release Date	Documentation
Supported importing roles in batches	You can import roles in batches when managing roles and grant each of them permissions for different namespaces.	2023-05-29	-

### 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. The range of the TTL for new namespaces is changed to 60 seconds–1 day.	2022-06-29	<a href="#">Use Limits</a>

	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.		
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>
Supported 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 the acknowledgment status for the message trace feature	The message trace feature allows you to view the subscription modes, the number of retries, and the acknowledgment status of multiple consumers.	2021-12-23	<a href="#">Message Query and Trace</a>
Supported the pay-as-you-go billing mode	TDMQ for Apache Pulsar supports the pay-as-you-go billing mode and will be billed starting from January 2022.	2021-12-23	<a href="#">Billing Overview</a>

## October 2021

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Update	Description	Release Date	Documentation
Supported cluster-level data collection	Cluster-level data 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 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. You can enable or disable this feature as needed.	-	2021-10-27	<a href="#">Cluster Management</a>

## August 2021

Update	Description	Release Date	Documentation
Supported setting the message retention period policy in namespaces	Deletion after consumption: Messages will be cleared within a certain period of time after being acknowledged successfully to save storage space. 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.	2021-08-19	<a href="#">Namespace</a>
Supported forcible deletion of topics and subscriptions	Topic: A topic with subscriptions can be forcibly deleted, along with its subscriptions. Subscription: A subscription can be forcibly deleted even if it has active consumer connections.	2021-08-19	<a href="#">Topic Management</a>

## May 2021

Update	Description	Release Date	Documentation
Launched clusters on v2.7.1	<p>TDMQ for Apache Pulsar supports clusters on v2.7.1. The cluster version is updated to open-source Pulsar 2.7.1 to support more features and simplify connection.</p> <p>The listenerName dependency is removed for the new cluster version, so you don't need to declare listenerName when connecting to a cluster on v2.7.1 or later from an open-source Pulsar client.</p>	2021-05-31	<a href="#">Cluster Version Updates</a>

## January 2021

Update	Description	Release Date	Documentation
Launched the cluster management feature	You can create virtual clusters (which share the underlying resources) and dedicated 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 Apache Pulsar	The open beta test for TDMQ for Apache Pulsar officially starts. No application is required for the trial use. 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 Apache Pulsar from native Pulsar clients	You can connect to TDMQ for Apache Pulsar from native Pulsar clients. For security reasons, you need to configure the appropriate role 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).	2020-09-17	<a href="#">Role and Authentication JWT Authentication Configuration</a>
Upgraded TDMQ for Apache Pulsar in closed beta test to support the native SDK	TDMQ for Apache Pulsar will be suspended for upgrade 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 Apache Pulsar in multiple regions	TDMQ for Apache 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
Launched TDMQ for Apache Pulsar	TDMQ for Apache 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	2020-06-04	<a href="#">Overview</a>

	real-time reconciliation, monitoring, and big data analysis.		
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# Cluster Version Updates

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

This document describes the updates to TDMQ for Apache 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	<p>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.</p> <p>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).</p>	<a href="#">Apache Pulsar SDK for C++</a> <a href="#">Apache Pulsar SDK for Python</a> <a href="#">Apache Pulsar SDK for Node.js</a>
Addition	Support for public network access	Public network access is supported, so you can access a TDMQ for Apache 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>
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 Apache Pulsar from popular message queue clients with no modifications required, which will make it easier for you to migrate existing businesses.	-
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## 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).

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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 Apache Pulsar

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

Since the start of TDMQ for Apache Pulsar beta test on October 12, 2020, two versions have been launched. The free beta test of TDMQ for Apache 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 Apache 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 Apache Pulsar's Support for CAM Authorization at All Resource Levels

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

The TDMQ for Apache 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 : 2024-01-03 14:08:52

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](#).