

# **TDMQ for RocketMQ**

## **Release Notes and Announcements**

### **Product Documentation**



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# Release Notes and Announcements

## Release Notes

Last updated : 2024-06-13 16:07:52

### May 2024

| Dynamic Name                            | Dynamic Description   | Release Date | Documentation                               |
|---|---|--------------|---|
| Cluster Billing Mode Switch             | 5.x clusters in the running state support switching the billing model from monthly subscription to hourly billing mode.   | 2024-05-31   | <a href="#">Cluster Billing Mode Switch</a> |
| Seamless Migration Feature Optimization | Supports indicating consumer clients that have not completed the switch during the grayscale switching process;<br>Supports the migration task monitoring page, and comparing indicators between the source clusters and target clusters. | 2024-05-31   | <a href="#">Seamless Migration</a>          |
| HTTP Protocol Supported by 5.x Clusters | 5.x clusters support the HTTP Protocol, and use the open source community HTTP SDK, Access Point and TCP are consistent.  | 2024-05-31   | -   |

### April 2024

| Dynamic Name   | Dynamic Description  | Release Date | Documentation                        |
|--|--|--------------|--------------------------------------|
| 5.x Professional and Platinum Versions' Newly-added Compute Specifications | 5.x Professional Version adds several specifications between 50,000–100,000 TPS;<br>5.x Platinum Version refines specifications, shortens step size, and makes purchasing more flexible;<br>5.x Professional Version's large specifications and Platinum Version's entire specifications are reduced in price, with the maximum decrease reaching 40%. | 2024-04-17   | <a href="#">5.x Billing Overview</a> |
| 4.x Generic Cluster Selling  | The number of nodes is not disclosed to the public; sales are based on TPS, and exceeding TPS is   | 2024-04-17   | <a href="#">Universal Cluster</a>    |

|   |  |            |   |
|---|--|------------|---|
| Form  | strictly rate-limited;<br>Exclusive Physical Resources, higher cost-performance ratio, and lower storage pricing;<br>Customized Parameter Tuning based on the business scenario.   |            |   |
| Optimization of the Consumption Status Display in Message Details | Optimize the display of the consumption status for messages filtered by SQL or TAG filtering rules, correcting the status from Not Consumed to Filtered.   | 2024-04-17 | - |
| Optimized Billing Display   | Auto-renewal order detail Page displays specification details.<br>Bill additionally displays resource alias.<br>Fixed occasional error defects when purchasing and terminating prepaid (annual and monthly subscription) clusters. | 2024-04-17 | - |

## February 2024

| Update   | Description   | Time       | Documentation                      |
|--|---|------------|------------------------------------|
| Seamless migration feature and experience optimization | During the migration of a self-built cluster, VPC network interconnection supports automatic network interconnection of different product types such as CLB and CVM simultaneously.<br>When a self-built cluster is migrated from a local IDC, interconnection scenarios involving various network types such as Cloud Connect Network and Direct Connect gateway are supported.<br>When metadata is imported, importing the ACL configuration of the source cluster is supported.<br>During the cluster traffic switching process, it supports automatic detection of consumer groups (Groups) that have not completed the switch. Supports the removal of Topics that meet the conditions from the migration task. Adds several health checks and other features. | 2024-02-28 | <a href="#">Seamless Migration</a> |
| Topic granularity setting retention time               | For RocketMQ 5.x Professional and Platinum Versions clusters, it supports custom message retention time for each Topic. Users can adjust the retention time of Topic used according to business needs.  | 2024-02-28 | <a href="#">Topic Management</a>   |

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|--|--|------------|----------------------------------|
| Cluster topic and group quota adjustment | Users can independently increase or decrease the Topic and Group quotas of a cluster on the page (within a reasonable range set by the page). To ensure the stability of the cluster and the rational use of resources, a small fee will be charged for amounts exceeding the quota. | 2024-02-28 | <a href="#">Billing Overview</a> |
| Monitoring metrics optimization          | 4.x clusters add metrics, including consumer lag metrics and dead-letter message count metrics. Dedicated 4.x and 5.x clusters support public network bandwidth metrics.   | 2024-02-28 | -                                |

## November 2023

| Update   | Description  | Time       | Documentation                      |
|--|--|------------|------------------------------------|
| Seamless migration capability                      | Supports white-labeled user operations, migrating self-built RocketMQ clusters to RocketMQ 5.x clusters of various specifications. The entire migration process is visualized, and it supports rollback the status during migration.       | 2023-11-16 | <a href="#">Seamless Migration</a> |
| Console integration and interaction optimization   | Merge of 4.x and 5.x cluster consoles, unifying interactions across different versions. The display of progress is also supported when a cluster is created. When destroying or downgrading clusters, conduct critical metric assessments. | 2023-11-16 | -                                  |
| Query retry messages                               | You can query recent retry messages by Topic, and view the details of each retry by message ID.  | 2023-11-16 | -                                  |
| Direct access through global search in the console | After you search for the RocketMQ cluster ID in the console, being directly redirected to the RocketMQ console is supported.   | 2023-11-16 | -                                  |
| Monitoring metrics and interaction optimization    | The topic/group monitoring page supports the comparison of multiple Topic/Group metrics. Supports displaying the comparison of message counts across multiple time intervals.  | 2023-11-16 | <a href="#">Monitoring Alarm</a>   |
| Metrics integration with Tencent Cloud             | Users can access metrics of various RocketMQ versions using Prometheus instances from Tencent Cloud Observability Platform (TCOP).   | 2023-11-16 | -                                  |

|  |  |            |                                 |
|--|--|------------|---------------------------------|
| Observability Platform (TCOP) Prometheus |  |            |                                 |
| 4.x SDK compatibility                    | Server-side compatibility with the broadcast consumption mode of the PushConsumer from the 4.x version client SDK. | 2023-11-16 | <a href="#">SDK Description</a> |

## October 2023

| Update                               | Description  | Time       | Documentation  |
|--------------------------------------|--|------------|--|
| Seamless migration capability        | Supports white-labeled user operations, migrating self-built RocketMQ clusters to dedicated RocketMQ 4.x clusters. The entire migration process is visualized, and it supports rollback the status during migration.   | 2023-10-16 | <a href="#">Seamless Migration</a>                                   |
| Message cross-cluster replication    | RocketMQ 4.x clusters support message replication across different clusters at the Topic granularity. The replicated messages support multiple filtering methods, and the replication process can be visually monitored and started or stopped at any time.  | 2023-10-16 | -  |
| Metadata import and export supported | RocketMQ 4.x clusters support exporting Topics and Groups and other metadata into .xlsx format documents, and support importing into other clusters.   | 2023-10-16 | <a href="#">Topic Management</a><br><a href="#">Group Management</a> |
| Query messages by TAG                | The message query page supports querying messages by TAG.  | 2023-10-16 | <a href="#">Querying Message</a>                                     |
| Client stack trace viewing           | 4.x cluster supports viewing the stack traces of each client within a Group.   | 2023-10-16 | <a href="#">Group Management</a>                                     |
| View the queue details of a Topic    | On the Topic details page of the dedicated RocketMQ 4.x cluster, you can find the distribution of different queues of the current Topic across various Broker nodes. On the group details page, you can find the consumption status of different queues of different Topics subscribed by the current group. | 2023-10-16 | <a href="#">Topic Management</a><br><a href="#">Group Management</a> |
| Resource deletion                    | When deleting resources in a RocketMQ 4.x virtual cluster, it performs evaluations based on metrics such   | 2023-10-16 | <a href="#">Cluster Management</a>                                   |

|  |   |            |   |
|--|---|------------|---|
| interaction optimization                 | as current message backlog and optimizes the presentation of pages and warning messages during deletion. For dedicated clusters upon return, an "being isolated" status is add to prevent accidental deletion of resources, allowing them to be retrieved and restored at any time without incurring charges throughout the isolation period. |            |   |
| Public network allowlist supports subnet | For RocketMQ 4.x dedicated clusters, when enabling public network allowlist, subnet entry is supported. The interaction prompt for adding public network allowlist is optimized.  | 2023-10-16 | - |

## September 2023

| Update  | Description  | Time       | Documentation   |
|---|--|------------|---|
| RocketMQ 5.x commercial product form latest release | All product types (Trial/Basic/Pro/Platinum) support hourly and monthly subscription. Supports upgrading and downgrading between different types.<br>Compute and storage are more elastic: Storage is billed hourly based on actual usage, and compute supports elastic TPS beyond specifications to address unexpected surge traffic.<br>More comprehensive monitoring metrics. Supports multi-level metric drilling down for Topic&Group&Client ID.<br>Support for the import and export of metadata.<br>Support for client stack trace viewing. | 2023-09-01 | <a href="#">Overview</a><br><a href="#">Billing</a><br><a href="#">Overview</a> |

## July 2023

| Update                        | Description  | Release Date | Documentation                    |
|-------------------------------|--|--------------|----------------------------------|
| Refined group metrics         | You can view the related consumption metrics of a topic subscribed by the group on the monitoring page of the Group tab. | 2023-07-10   | <a href="#">Group Monitoring</a> |
| Refined topic billing metrics | You can view the number of API calls made by a specific topic in a virtual cluster during production in the console.     | 2023-07-10   | <a href="#">Topic Monitoring</a> |
|                               |  |              |                                  |



|                                |   |            |   |
|--------------------------------|---|------------|---|
| Optimized bill display         | In the pay-as-you-go mode for virtual clusters, you can view the cluster corresponding to the resource usage fee charged for a topic in the bill.   | 2023-07-10 | - |
| Optimized message heap display | Due to the limitation of the consumption mode, message heaps are not displayed for the group and the consumer in the broadcasting consumption mode. | 2023-07-10 | - |

## April 2023

| Update   | Description  | Release Date | Documentation   |
|--|--|--------------|---|
| Supported modifying message retention period in dedicated clusters | The default message retention time for a dedicated cluster is three days after it is created. You can modify the message retention time of the dedicated cluster by clicking <b>Edit</b> on the cluster list page, and the modification will take effect for all topics in the entire cluster. | 2023-04-08   | <a href="#">Cluster Management &gt; Viewing cluster details</a> |
| Supported downgrade for dedicated clusters                         | You can reduce node configuration for a dedicated cluster by reducing node specifications in the console.  | 2023-04-08   | <a href="#">Cluster Management</a>                              |
| Supported sequential messages over HTTP                            | TDMQ for RocketMQ supports the partitionally sequential messages over HTTP. You can use implement partitionally sequential messages over HTTP by integrating the corresponding client.   | 2023-04-08   | <a href="#">Access over HTTP</a>                                |
| Added metrics and alarms for node load in dedicated clusters       | You can configure node-related metrics and alarms in the TCOP console for an dedicated cluster, so that you can view metrics such as the load status of each node of the current dedicated cluster.  | 2023-04-08   | <a href="#">Configuring Alarm</a>                               |

## March 2023

| Update  | Description  | Release Date | Documentation   |
|---|--|--------------|---|
| Added the aggregation of monitoring metrics for topics under a consumer group | You can configure monitoring metrics and alarms for topics under a consumer group in the TCOP console, so that you can view related monitoring metrics of topics subscribed by a certain group, such as message heap and production/consumption speed.   | 2023-03-15   | <a href="#">Configuring Alarm &gt; Alarm Metric Dimension</a>   |
| Supported downloading messages and dead letter messages.                      | You can query messages and dead letter messages in the console, and download a single message or multiple messages in batch. In the downloaded file, you can check the message sending time, message content and related attributes.   | 2023-03-15   | <a href="#">Querying Message &gt; Message export</a>            |
| Supported displaying the top ranking of resources on the cluster details page | TDMQ for RocketMQ provides a resource top ranking list for you if you have a large number of topics and groups. It ranks topics and groups in the cluster according to dimensions such as message heap and consumption/production speed, so that you can focus on the health of top resources. | 2023-03-15   | <a href="#">Cluster Management &gt; Viewing cluster details</a> |
| Supported resetting consumption offset for offline consumers                  | TDMQ for RocketMQ supports automatically filtering out the groups with the broadcasting consumption mode in the console, and allows you to reset the offset for offline consumers (non-pull mode).   | 2023-03-15   | <a href="#">Group Management &gt; Setting an offset</a>         |
| Disabled automatic group creation   | In order to ensure the stability of the online cluster and prevent metadata redundancy in the console, TDMQ for RocketMQ has disabled the configuration of automatic group creation. When starting the consumer client, you need to create the corresponding group in the console first.       | 2023-03-15   | <a href="#">Group Management &gt; Creating a group</a>          |

## January 2023

| Update  | Description   | Release Date | Documentation  |
|---|---|--------------|--|
| Added the option of querying last 100 messages                | TDMQ for RocketMQ adds the new option of querying last 100 messages on the message query page. The query results are sequenced by time to solve the problem that the paginated results are not in strict chronological order. | 2023-01-11   | <a href="#">Querying Message</a>                                     |
| Supported batch deletion of groups and topics                 | You can batch delete redundant groups and topics in the console to lower operating costs.   | 2023-01-11   | <a href="#">Group Management</a><br><a href="#">Topic Management</a> |
| Supported the public network allowlist for dedicated clusters | You can enable the public network IP whitelist upon cluster purchase or at any time later to filter out IPs that pose security risks.   | 2023-01-11   | <a href="#">Cluster Management</a>                                   |

## December 2022

| Update   | Description   | Release Date | Documentation                                    |
|--|---|--------------|--|
| Started billing for virtual clusters officially                              | TDMQ for RocketMQ has ended its public beta of virtual clusters on December 28, 2022 and will start billing for such clusters. The billing mode is pay-as-you-go (postpaid), which is suitable for testing or scenarios with unpredictable traffic peaks. | 2022-12-28   | <a href="#">Virtual Cluster Billing Overview</a> |
| Supported traffic throttling for API calls of sending and receiving messages | In order to ensure the stability of the virtual cluster, TDMQ for RocketMQ will implement traffic throttling by cluster or topic. You can view the corresponding throttling monitoring metrics on the cluster monitoring or topic monitoring page.        | 2022-12-28   | <a href="#">Cluster Monitoring</a>               |

|   |  |            |  |
|---|--|------------|--|
| in virtual clusters                               |  |            |  |
| Supported metadata migration for virtual clusters | You can use the metadata migration tool to migrate the metadata from open-source RocketMQ to TDMQ for RocketMQ virtual clusters.   | 2022-12-28 | <a href="#">Metadata Migration</a>           |
| Supported the HTTP protocol                       | TDMQ for RocketMQ supports the access over HTTP. You can view the HTTP access address on the cluster details page.   | 2022-12-28 | <a href="#">Cluster Management</a>           |
| Supported resending dead letter messages          | The message query feature allows you to resend a single dead letter message or resend them in batches. After a dead letter message is resent, it will be delivered to the retry queue of the original queue; however, it will not be deleted immediately from the dead letter queue; instead, it will be deleted at the end of the message lifecycle (3 days). | 2022-12-28 | <a href="#">Querying Dead Letter Message</a> |

## November 2022

| Update   | Description   | Release Date | Documentation                      |
|--|---|--------------|------------------------------------|
| Supported public network bandwidth                                   | Dedicated cluster: Billing by the public network bandwidth has been started, and additional fees will be incurred after the public network access is enabled.<br>Virtual cluster: Billing by the public network bandwidth hasn't been started, and we recommend you use the public network access only in testing and debugging environments. | 2022-11-21   | <a href="#">Billing Overview</a>   |
| Supported adjusting the node specification and storage specification | If the current cluster specifications cannot meet your business needs, you can increase the node specification, node quantity, and storage specification in the console.  | 2022-11-21   | <a href="#">Cluster Management</a> |
| Supported sending test messages                                      | You can manually send test messages to the specified topic in the console.  | 2022-11-21   | <a href="#">Topic Management</a>   |

|  |   |            |                                    |
|--|---|------------|------------------------------------|
| Added the consumption status description                                       | When querying messages, you can view the message consumption status and exception diagnosis information and send messages again on the message details page.  | 2022-11-21 | <a href="#">Querying Message</a>   |
| Optimized the UI display of the dedicated cluster overview page in the console | -   | 2022-11-21 | <a href="#">Cluster Management</a> |
| Optimized the UI display of the group list page                                | -   | 2022-11-21 | <a href="#">Group Management</a>   |
| Corrected and optimized some dedicated cluster metrics                         | <p>1. The original calculation method for some monitoring metrics such as consumption speed and message heap was incorrect and led to higher aggregated hourly values at cluster and group levels. This is fixed now.</p> <p>2. Note: After the new metric calculation method is released, historical metric values may be invisible or have breakpoints when you view related metrics in the console or on the CM chart, and null values may be returned when you pull the historical (11.2-11.XX) metric values of dedicated clusters through TencentCloud API.</p> | 11/16/2022 | -                                  |

## October 2022

| Update  | Description  | Release Date | Documentation                    |
|---|--|--------------|----------------------------------|
| Launched the dedicated cluster feature commercially | You can purchase dedicated clusters with physical resources isolated between them. | 10/24/2022   | <a href="#">Billing Overview</a> |
|   |  |              |                                  |

|   |   |            |  |
|---|---|------------|--|
| Supported cluster monitoring                                  | Monitoring metrics and alarms in different dimensions are displayed for dedicated clusters in the console, such as production, consumption, storage, and consumer group.    | 2022-10-24 | <a href="#">Cluster Monitoring</a>           |
| Supported querying dead letter messages in dedicated clusters | On the message query page, you can query a dead letter message based on its ID or the dedicated cluster's group. This will be supported for virtual clusters in the future. | 2022-10-20 | <a href="#">Querying Dead Letter Message</a> |
| Supported consumption verification                            | After querying a specific message, you can push it to a specified online client to check whether the client consumes it logically as expected.                              | 10/20/2022 | <a href="#">Querying Message</a>             |

## December 2021

| Update  | Description   | Release Date | Documentation                     |
|---|---|--------------|-----------------------------------|
| Launched the message query and message trace features     | You can query the production record of a message by its key/ID to see its details and trace, with the trace accurate to each retry until the message is delivered to the dead letter queue. | 2021-12-22   | <a href="#">Querying Message</a>  |
| Supported configuring alarms in TCOP                      | You can configure alarms for metrics such as message production traffic/speed threshold, the number of online producers, and message heap in the TCOP console.                              | 2021-12-22   | <a href="#">Configuring Alarm</a> |
| Supported configuring the topic partition count as needed | You can configure up to 32 topic partitions as needed.  | 12/22/2021   | <a href="#">Topic Management</a>  |
| Provided demos for multiple programming languages         | -   | 12/22/2021   | <a href="#">SDK Documentation</a> |

## September 2021

| Update                     | Description  | Release Date | Documentation            |
|----------------------------|--|--------------|--------------------------|
| Launched TDMQ for RocketMQ | TDMQ for RocketMQ is a proprietary message queue service developed by Tencent. It is compatible with all components and principles of Apache RocketMQ, and supports connection to RocketMQ 4.6.1 or later without any modifications. It also has the underlying benefits of computing-storage separation and flexible scaling. | 2021-09-25   | <a href="#">Overview</a> |

## Announcements

# Notice on Disabling the Automatic Group Creation for Some Virtual Clusters in TDMQ for RocketMQ 4.x

Last updated : 2024-08-07 15:51:39

In order to improve the stability of RocketMQ 4.x virtual clusters, TDMQ for RocketMQ will perform stability maintenance and upgrade of underlying resources on August 30, 2024, and the automatic group creation feature for RocketMQ 4.x virtual clusters will be disabled. If your current business relies on automatic group creation, please make changes as soon as possible to avoid impact on the subsequent use (groups need to be created in the console or by using the TencentCloud API CreateRocketMQGroup); If your current business does not involve automatic group creation, please ignore this notice. If there is any problem for the use of RocketMQ clusters, please contact us by [submitting a ticket](#).



# Notice on the Cessation of Purchase for TDMQ RocketMQ 4.x Virtual Clusters Switching Cluster Billing Modes

Last updated : 2024-05-29 15:48:21

The selling of the TDMQ RocketMQ 4.x virtual clusters will be stopped from June 3, 2024. The already purchased 4.x virtual clusters will not be affected, and all features will continue to work normally. If you need to make new purchases, we recommend using version 5.x and other types of clusters for version 4.x. For more information, you can visit the [RocketMQ Purchase Page](#) to view the details.

If you encounter any issues during use, you can enter [Online Customer Service](#) for consultation, and we will serve you wholeheartedly!

# Commercial Launch of TDMQ for RocketMQ Exclusive Cluster

Last updated : 2022-11-28 11:02:50

Exclusive clusters have been made commercially available in TDMQ for RocketMQ. They are widely used across industries such as education, mobility, game, and pan-internet.

Exclusive clusters are physically isolated from each other. They are **monthly subscribed (prepaid)** and reserved with an upfront payment. If your business involves a large volume of messages, you will find it more cost-effective to use exclusive clusters to meet your high SLA requirements. To purchase an exclusive cluster, click [here](#).

# TDMQ for RocketMQ Beta Test to Be Ended

Last updated : 2022-11-28 11:02:50

TDMQ for RocketMQ virtual clusters have been extensively tested by developers and users since the open beta test, and its product stability has been improved. **The beta test will end in November 2022 and the virtual clusters will become commercially available after that.** We will inform you of the commercialization details in advance via SMS, Message Center, and the console.

TDMQ for RocketMQ exclusive clusters have already been commercialized, and you can purchase them as long as you have been added to the allowlist. Featuring physically isolated resources and more stable environments, exclusive clusters are widely used across industries such as education, mobility, game, and pan-internet. If you want to use TDMQ for RocketMQ exclusive clusters, [contact us](#).

For comparison between the two cluster types, see [Product Series](#).

# TDMQ for RocketMQ Beta Test Start

Last updated : 2022-05-23 15:33:59

TDMQ for RocketMQ has been in beta test since January 20, 2022. You can directly log in to its [console](#) to use it for free; however, the Tencent Cloud products used by it will be charged by resource usage following their respective billing rules.

For more information on this product, [contact us](#).