

TDSQL for MySQL

Announcements

Product Documentation



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Background

TDSQL for MySQL upgraded the monitoring items for server and component services on April 1, 2021 by replacing the legacy alarm policy type and modifying hundreds of monitoring and alarm metrics. You can configure alarm policies of the [TDSQL for MySQL](#) type in the Cloud Monitor console.

The legacy TDSQL policy type was deactivated on July 29, 2021. You cannot configure new alarm policies in this type any more, and your previously configured TDSQL alarm polices will be gradually transferred to the new policy type.

Comparison of the legacy and new alarm policy types:

Policy Type	Metric Coverage	Support and Maintenance
Tencent Distributed SQL	8 metrics	This policy type was deactivated on July 29, 2021 and cannot be configured subsequently. All legacy alarm policies will be transferred to the new policy type.
Cloud Database - TDSQL MySQL - Instance	37 metrics	This policy type was released on April 1, 2021 with ongoing maintenance available.

Note :

- The new TDSQL for MySQL policy type has covered all metrics of the legacy TDSQL policy type. For more information, please see [Comparison Table of New and Legacy Metrics](#).
- For the new alarm policies, please see [New Metric Description](#).

Alarm Policy Migration

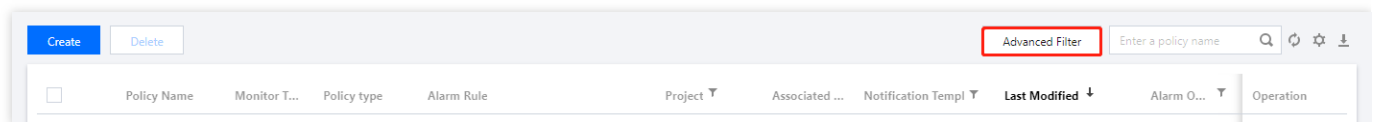
After the legacy TDSQL policy type is deactivated, the system will automatically transfer previously configured alarm policies to the new TDSQL for MySQL policy type on the backend.

Note :

Alarms may not be automatically transferred to the new alarm policy type by the system for certain instances or users. If this is the case for you, we will notify you through Message Center, email, or SMS. Then, please follow the manual transfer steps below to manually transfer the alarms.

Manual transfer steps

- Sort out exiting alarm metrics and policies.
 - Log in to the [Cloud Monitor console](#), select **Alarm Configuration > Alarm Policy** on the left sidebar, and click **Advanced Filter**.
 - On the pop-up page, select the alarm policy type corresponding to **Tencent Distributed SQL** in **Policy Type**, query alarm policies in this category, and download the previously configured alarm policies of the original **Tencent Distributed SQL** policy type.



- Configure new alarm policies.
 - On the **Alarm Policy** page, click **Create**.
 - On the **Create Alarm Policy** page, select **Cloud Database - TDSQL MySQL - Instance** for **Policy Type** and configure alarms according to the policies downloaded in step 1. For the alarm configuration method, please see [Creating Alarm Policy](#).
- Verify whether the TDSQL for MySQL alarm policies are enabled and can successfully trigger alarms.

Set a minimum trigger threshold in **Metric alarm** on the **Create Alarm Policy** page, choose to set a **recipient** or **recipient group**, and select the notification channel (email or SMS) to test a policy. For example, you can configure an alarm policy for the CPU utilization metric that triggers an alarm once per minute when the threshold is greater than or equal to 1% for one statistical period of one minute.
- After the new policy type is verified, delete the alarm policies previously configured under the original TDSQL (legacy) policy type.

On the **Alarm Policy** page, filter alarm policies by the "Tencent Distributed SQL" policy type and delete the filtered policies according to the policy list downloaded in step 1.

If you encounter any issues during the transfer, please [submit a ticket](#) for assistance.

Comparison Table of New and Legacy Metrics

Legacy Policy Type	Metric/Event Alarm	Legacy Metric/Event Alarm Name	New Policy Type	New Metric/Event Alarm Name
Tencent Distributed SQL	Metric alarm	CPU utilization	Cloud Database - TDSQL MySQL - Instance	Maximum CPU utilization of source node
	Metric alarm	Storage space utilization	Cloud Database - TDSQL MySQL - Instance	Maximum data disk utilization of source node
	Metric alarm	Slow queries	Cloud Database - TDSQL MySQL - Instance	Total slow queries of source nodes
	Metric alarm	Active connections	Cloud Database - TDSQL MySQL - Instance	Total active threads
	Metric alarm	Cache hit rate	Cloud Database - TDSQL MySQL - Instance	Minimum cache hit rate of source node
	Metric alarm	Database connections	Cloud Database - TDSQL MySQL - Instance	Total client connections
	Metric alarm	Replica lag	Cloud Database - TDSQL MySQL - Instance	Secondary node delay
	Metric alarm	Primary-Secondary switch	Cloud Database - TDSQL MySQL - Instance	Primary-Secondary switches

New Metric Description

Policy Type	Metric/Event Alarm	Metric/Event Alarm Name
Cloud Database - TDSQL MySQL	Metric alarm	CPU utilization
	Metric alarm	Total UPDATE requests of source nodes

Policy Type	Metric/Event Alarm	Metric/Event Alarm Name
	Metric alarm	Total open connections
	Metric alarm	Total maximum connections
	Metric alarm	SQL Throughput
	Metric alarm	SQL Error Throughput
	Metric alarm	SQL Success Throughput
	Metric alarm	Requests consuming less than 5 ms
	Metric alarm	Requests consuming 5–20 ms
	Metric alarm	Requests consuming 21–30 ms
	Metric alarm	Requests consuming more than 30 ms
	Metric alarm	Minimum remaining binlog disk space in all shards
	Metric alarm	Total binlog disk space of source nodes
	Metric alarm	Maximum database connection utilization
	Metric alarm	Total available data disk space of source nodes
	Metric alarm	Total DELETE requests of source nodes
	Metric alarm	Maximum IO utilization of source node
	Metric alarm	Total logical reads from InnoDB disk
	Metric alarm	Total pages read into InnoDB buffer pool by read-ahead thread
	Metric alarm	Total logical reads from InnoDB buffer pool
	Metric alarm	Total rows deleted from InnoDB tables on source nodes
	Metric alarm	Total rows inserted to InnoDB tables on source nodes
	Metric alarm	Total rows read from InnoDB tables
	Metric alarm	Total rows updated in InnoDB tables on source nodes
	Metric alarm	Total INSERT requests of source nodes

Policy Type	Metric/Event Alarm	Metric/Event Alarm Name
	Metric alarm	Total available cache of source nodes
	Metric alarm	Total REPLACE_SELECT requests of source nodes
	Metric alarm	Total REPLACE requests of source nodes
	Metric alarm	Total requests of source and replica nodes
	Metric alarm	Total SELECT requests