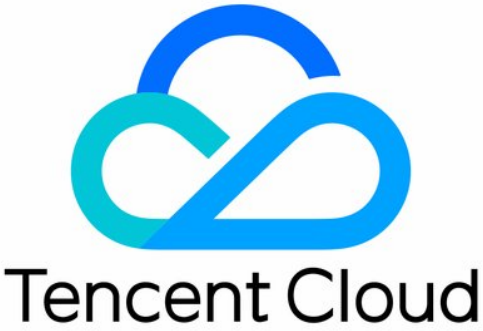
TencentDB for MariaDB

Release Notes and Announcements

Product Documentation



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[April 1, 2021] Alarm Upgrade Announcement

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Release Notes and Announcements

Release Notes

Last updated：2023-02-03 10:18:46

October 2022

Update	Description	Documentation
Supported adding account permission	You can grant the RELOAD permission for the account for NewDTS data migration.	Managing Account
Supported downgrade for disaster recovery read-only instances	You can downgrade the disaster recovery read-only instances in the console.	Disaster Recovery Read-Only Instance
Optimized the display of available regions	You can view the region where resources are sold out when selecting a region, and select a random AZ in the console.	-

September 2022

Update	Description	Documentation
Backup time optimization	The backup can be retained for 365 days and performed at your selected time.	Backup Mode
Backup search optimization	You can filter the cold backup list, binlog list, slow query, and error log by time.	Downloading Backup Files
Newly supported version for data encryption	TencentDB for MySQL 8.0 supports Transparent Data Encryption (TDE).	Transparent Data Encryption (TDE)
Supported creating database in CDC	You can create MariaDB instances in CDC and manage them in the console.	

July 2022

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Update	Description	Documentation
Public network security group	For instances with public network address enabled in Guangzhou, Chengdu, Shanghai, Beijing, Nanjing, security groups support public network access.	Security Group Configuration
Supported InnoDB page size setting when purchasing an instance	InnoDB page size is set to 16 KB by default, and it cannot be modified once the instance is created. Select a page size with caution.	-
Supported setting max connections for creating an account	The number of concurrent connections under this account is subjected to the maximum connections of the instance and can be set when creating an account for TencentDB for MariaDB 5.6 and 8.0.	Managing Account
Supported setting replica connection mode for read-only account	When setting the connection mode for read-only account, you can decide whether to switch to another replica if the primary-replica delay exceeds the delay parameter.	Managing Account

January 2022

Update	Description	Documentation
Supported rollback to pay-as-you-go instances	The database rollback feature is updated, so data will be rolled back to pay-as-you-go instances instead of temp instances. After rollback to a pay-as-you-go instance, you can flexibly configure the retention time of the rollback instance based on your business needs. Rollback instances have the same functionality, security, and reliability as general instances.	Rolling back Databases
Supported modifying the parameters for disaster recovery read-only instances	You can modify the parameters for disaster recovery read-only instances in the console.	-

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December 2021

Update	Description	Documentation
Supported AZ migration	The AZ migration feature is launched. It can implement nearby access and resource expansion for your business and better utilize resources in different AZs in the same region.	-
Supported custom old IP retention period	When switching IP manually, you can customize the old IP retention period. In this way, IP resources can be released quickly or retained for a long time to allow for business migration.	Changing Networks
Supported modifying the read-only policy	You can modify the policy of a read-only account to satisfy different read-only access and delay requirements.	Read/Write Separation

March 2021

Update	Description	Documentation
Cloud Monitor optimization	TencentDB for MongoDB now works with the latest version of Cloud Monitor, supporting dashboards, more monitoring metrics, and default alarms. The metric names are modified to better follow the naming conventions; and you can now use Cloud Monitor APIs to fetch TencentDB for MongoDB monitoring data.	TencentDB for MariaDB Monitoring Metrics
One-primary-multi-replica instances are supported	You can now create an instance with one primary node and up to five replica nodes, so as to provide higher data availability.	-
Supported modifying VPC configurations	You can now modify the access address of an instance via network translation.	Changing Networks

October 2020

Update	Description	Documentation

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Supported disaster recovery read-only instances	You can quickly create disaster recovery read-only instances in the console for data deployment and disaster recovery capability across regions and AZs	Disaster Recovery Read-Only Instance
Supported instance architecture diagram.	You can view instance region, nodes, shards, and primary-replica relationship, or create a disaster recovery read-only instance sync in the instance architecture diagram in the console.	-

August 2020

Update	Description	Documentation
Supported MySQL 8.0	You can now purchase TencentDB for MariaDB instances running the MySQL 8.0 kernel. Such instances support multi-thread async replication (MAR, namely strong sync), thread pools (enabled by default), and async deletion of big tables.	-
Supported tags	You can manage TencentDB for MariaDB instances by tag.	-
Supported DMC	You can now manage TencentDB for MariaDB instances in DMC.	-
Other features	You can now download the latest binlog, split and analyze it. Related user interactions in the console are optimized.	-

June 2015

Update	Description	Documentation
TencentDB for MariaDB is officially launched	TencentDB for MariaDB is a highly secure enterprise-grade cloud database dedicated to the online transaction processing (OLTP) scenario. It has always been used in Tencent's billing business. It is compatible with MySQL syntax and has various advanced features such as thread pool, audit, and remote disaster recovery while delivering easy scalability, simplicity, and high cost efficiency of TencentDB.	Overview

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Announcements

[April 1, 2021] Alarm Upgrade Announcement

Last updated：2021-08-10 17:37:51

Background

TencentDB for MariaDB 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 MariaDB type in the Cloud Monitor console.
The legacy MariaDB policy type was deactivated on July 29, 2021. You cannot configure new alarm policies in this type any more, and your previously configured MariaDB 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
MariaDB	22 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 - MariaDB	37 metrics	This policy type was released on April 1, 2021 with ongoing maintenance available.

Note:
The new MariaDB policy type will cover all metrics of the legacy MariaDB 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 Transfer

After the legacy MariaDB policy type is deactivated, the system will automatically transfer previously configured alarm policies to the new MariaDB 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

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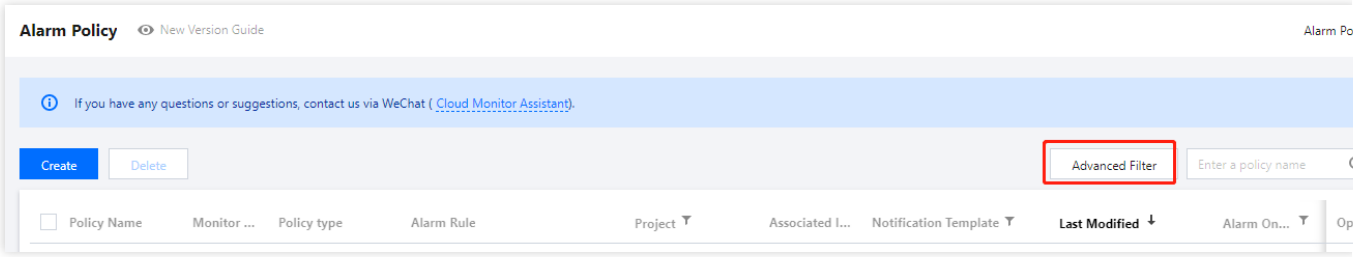
transfer steps below to manually transfer the alarms.

Manual transfer steps

1. Sort out exiting alarm metrics and policies.
2. Log in to the Cloud Monitor console, select Alarm Configuration > Alarm Policy on the left sidebar, and click Advanced Filter.
3. On the pop-up page, select the alarm policy type corresponding to **MariaDB** in **Policy Type**, query alarm policies in this category, and download the previously configured alarm policies of the legacy **MariaDB** policy type.



4. Configure new alarm policies.
5. On the Alarm Policy page, click Create.
6. On the **Create Alarm Policy** page, select **MariaDB** for **Policy Type** and configure alarms according to the policies downloaded in step 1. For the configuration method, please see Creating Alarm Policy.
7. Verify whether the MariaDB 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.
8. After the new policy type is verified, delete the alarm policies previously configured under the legacy MariaDB policy type.
On the **Alarm Policy** page, filter alarm policies by the "MariaDB" 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
MariaDB	Metric alarm	CPU utilization	Cloud Database - MariaDB -	CPU utilization

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		Instance	
Metric alarm	Primary-Replica switch	Cloud Database - MariaDB - Instance	Primary-Replica switches
Metric alarm	Available disk space	Cloud Database - MariaDB - Instance	Available data disk space
Metric alarm	Log disk space	Cloud Database - MariaDB - Instance	Minimum remaining binlog disk space
Metric alarm	SELECT queries	Cloud Database - MariaDB - Instance	Total SELECT requests
Metric alarm	Slow queries	Cloud Database - MariaDB - Instance	Slow queries
Metric alarm	UPDATE queries	Cloud Database - MariaDB - Instance	UPDATE requests
Metric alarm	INSERT queries	Cloud Database - MariaDB - Instance	INSERT requests
Metric alarm	DELETE queries	Cloud Database - MariaDB - Instance	DELETE requests
Metric alarm	Available memory size	Cloud Database - MariaDB - Instance	Available cache space
Metric alarm	Disk IOPS	Cloud Database - MariaDB - Instance	IO utilization
Metric alarm	Active connections	Cloud Database - MariaDB - Instance	Total active threads
Metric alarm	Connection utilization	Cloud Database - MariaDB -	Maximum database connection utilization

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		Instance	
Metric alarm	Disk utilization	Cloud Database - MariaDB - Instance	Data disk utilization
Metric alarm	REPLACE_SELECT queries	Cloud Database - MariaDB - Instance	REPLACE_SELECT requests
Metric alarm	Logical reads from InnoDB disk	Cloud Database - MariaDB - Instance	Total logical reads from InnoDB disk
Metric alarm	Logical reads from InnoDB buffer pool	Cloud Database - MariaDB - Instance	Total logical reads from InnoDB buffer pool
Metric alarm	Pages read into InnoDB buffer pool by read-ahead thread	Cloud Database - MariaDB - Instance	Total pages read into InnoDB buffer pool by read-ahead thread
Metric alarm	Rows deleted from InnoDB tables	Cloud Database - MariaDB - Instance	Rows deleted from InnoDB Tables
Metric alarm	Rows inserted into InnoDB tables	Cloud Database - MariaDB - Instance	Rows inserted into InnoDB tables
Metric alarm	Rows updated to InnoDB tables	Cloud Database - MariaDB - Instance	Rows updated to InnoDB tables
Metric alarm	Used log disk space	Cloud Database - MariaDB - Instance	Used binlog disk space

New Metric Description

Policy Type	Metric/Event Alarm	Metric/Event Alarm Name
Cloud Database - MariaDB	Metric alarm	Total rows read from InnoDB tables
	Metric alarm	Minimum replica node delay

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	Metric alarm	Buffer cache hit ratio
	Metric alarm	REPLACE count
	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	SQL throughput
	Metric alarm	SQL error throughput
	Metric alarm	SQL success throughput
	Metric alarm	Total client connections
	Metric alarm	Total requests of primary and replica nodes
	Metric alarm	Total open connections
	Metric alarm	Total maximum connections

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