

TDSQL-C for MySQL

Release Notes and Announcements

Product Documentation



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Release Notes and Announcements

Release Notes

Last updated : 2024-06-11 18:01:26

May 2024

Update	Description	Release Date	Documentation
Updated TXSQL kernel features	TDSQL-C for MySQL 8.0 kernel version has been updated to v3.1.14, enhancing database performance and stability: Supported Columnar Storage Index (CSI) (in regional grayscale release). Supported enhanced parallel query features: parallel subqueries, rollup, Nested-Loop Join (NLJ) inner table parallelism, and in-mem hash join parallelism.	2024-05-20	Database Kernel Version Release Notes
Optimized database audit	TDSQL-C for MySQL has implemented the following optimizations for database audit: Optimized the audit log page's query time bar, adding quick query time. Added the field Transaction ID to audit logs. Optimized the audit console interface.	2024-05-16	Database Audit
Supported binding multiple resource packages for serverless clusters	TDSQL-C for MySQL serverless clusters support binding multiple resource packages, facilitating automatic consumption from the second bound package upon depletion of the first, and also support adjusting the consumption priority order.	2024-05-10	Purchasing Resource Package Adjusting Consumption Priority Order

April 2024

Update	Description	Release Date	Documentation
Updated TXSQL	TDSQL-C for MySQL 8.0 kernel version has been	2024-04-12	Database

kernel features	updated to v3.1.13, enhancing database performance and stability: Optimized the issue of slow data access due to low cyclic efficiency in full table scan. Optimized the issue of decreased large query scan performance in concurrent scenarios.		Kernel Version Release Notes
Supported selecting binlog replication method for multi-AZ deployment	TDSQL-C for MySQL supports selecting the primary-replica binlog replication method for multi-AZ deployment. The default is async replication, with options of async replication, semi-sync replication, and strong sync replication.	2024-04-11	Setting Multi-AZ Deployment
Optimized minor kernel version upgrade	TDSQL-C for MySQL optimizes the operation of minor kernel version upgrades, supporting setting a version upgrade deadline. Before the deadline, if actions that trigger cluster migration occur, the system will not upgrade your cluster to the latest minor kernel version. Manual upgrade operations are also supported if an upgrade is required before the deadline.	2024-04-10	Upgrading Minor Kernel Version
Optimized configuration adjustment	TDSQL-C for MySQL optimizes the configuration adjustment page. If a cluster with pre-configured resources has been enabled with a database proxy, you can decide whether to adjust the configuration of the database proxy in the configuration adjustment page. This allows you to consider whether the configuration of the database proxy node meets the business workload when adjusting the compute configuration of the cluster.	2024-04-09	Adjusting Compute Configuration

March 2024

Update	Description	Release Date	Documentation
Supported multi-AZ deployment for serverless clusters	TDSQL-C for MySQL serverless clusters support multi-AZ deployment. Compared to single-AZ deployment, it provides higher disaster recovery capabilities and better database protection.	2024-03-21	Multi-AZ Deployment

January 2024

Update	Description	Release Date	Documentation
Updated TDSQL kernel features	<p>TDSQL-C for MySQL 8.0 kernel version has been updated to v3.1.12, enhancing database performance and stability:</p> <p>Supported viewing storage-layer network I/O traffic, time spent, frequency, and latency of transaction commits in slow logs.</p> <p>Database audit supports adding the transaction ID field and table name.</p> <p>Supported black hole engine.</p> <p>Supported the default algorithm used by DDL executions (inplace/instant).</p> <p>Optimized large transaction commit binlog.</p> <p>Optimized binlog write.</p> <p>Optimized the performance of purge binlog.</p> <p>Optimized the parallel DDL feature.</p>	2024-01-26	Database Kernel Version Release Notes
Updated TDSQL kernel features	<p>TDSQL-C for MySQL 5.7 kernel version has been updated to v2.1.12, enhancing database performance and stability:</p> <p>Read-only instances support binlog subscription via a position point.</p> <p>Optimized the performance of purge binlog.</p>	2024-01-26	Database Kernel Version Release Notes
Updated TDSQL kernel features	<p>TDSQL-C for MySQL 5.7 kernel version has been updated to v2.1.11, enhancing database performance and stability:</p> <p>Supported multi-threaded logical backup.</p> <p>Database proxy supports Transaction Split Feature.</p>	2024-01-26	Database Kernel Version Release Notes
Supported compiling optimized high-performance versions for TDSQL	<p>TDSQL-C for MySQL kernel versions 5.7 2.1.11 and 8.0 3.1.12 support compiling optimized high-performance versions. Without altering the database kernel's business logic code, utilizing compiler optimization techniques enhances kernel performance by 100%, while feature loss decreases. This version is currently in grayscale release. If you want to experience it, submit a ticket to upgrade.</p>	2024-01-02	Compiling Optimized High-Performance Version

December 2023

Update	Description	Release Date	Documentation
Upgrade of distributed shared storage architecture	<p>The distributed shared storage architecture of TDSQL-C MySQL has undergone the following optimization upgrades.</p> <p>Optimized the key pathways such as log transmission, persistence, data page replay, and redundant page cleanup. Enhanced the efficiency of redo replay/merge, reduced additional performance loss and resource contention. This significantly improved the stability of the storage layer, reducing access latency by more than 30% and decreasing network jitter spikes by over 100%.</p> <p>The optimization of the backup rollback module has resolved the issue of unstable rates in exceptional scenarios of snapshot backup and logical backup, thereby further enhancing the efficiency of parallel rollbacks.</p>	2023-12-29	=

November 2023

Update	Description	Release Date	Documentation
Supports Cloud Log Service (CLS)	TDSQL-C MySQL supports the collection of slow log data from instances, and the shipping of it to CLS for analysis. This provides a comprehensive log service from log collection and storage to log search, facilitating swift monitoring and pinpointing of business issues.	2023-11-20	Log Service CLS

October 2023

Update	Description	Release Date	Documentation
Supports Column	TDSQL-C MySQL supports the CSI column storage	2023-10-30	Feature

Store Index (CSI)	index feature, a technology that utilizes columnar data format for the storage, retrieval, and management of data. This provides superior query performance and a higher data compression ratio.		Overview
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September 2023

Update	Description	Release Date	Documentation
Database audit optimization	<p>TDSQL-C MySQL has implemented the following optimizations for database auditing.</p> <p>Supports binding multiple rule templates to an instance.</p> <p>The relationship between the rule template and the instance has been adjusted from initialization to strong binding, meaning that modifications to the content of the rule template will synchronously affect the audit rules applied by the instances that have bound this rule template.</p> <p>Supports viewing the rule templates bound to each instance, the audit rules hit by each audit log, and the instances associated with each rule template.</p> <p>Integrates with the Event Bus and Tencent Cloud Observability Platform. Supports high, medium, and low risk event alarms.</p> <p>The procedures for rule audit, setting risk levels, and alarm strategies, as well as post-event alarms, needs the submission of a ticket for application.</p>	2023-09-25	Enabling Audit Service Creating Rule Template Post-Event Alarm Configuration
Supports cross-region backup	TDSQL-C MySQL supports cross-regional backup feature, ensuring high availability for database recovery, meeting data availability and security requirements, remote backup recovery, remote disaster recovery, long-term data archiving, and regulatory compliance.	2023-09-21	Cross-regional backup

August 2023

Update	Description	Release Date	Documentation
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Updated TSQL kernel features	TSQL kernel features are updated to enhance database performance and stability. TSQL-C for MySQL 5.7 kernel version is updated to v2.1.10, which supports binlog subscription for read-only instances, blackhole engine, and buffer pool resizing.	2023-08-25	Kernel Version Release Notes
Updated TSQL kernel features	<p>TSQL kernel features are updated to enhance database performance and stability.</p> <p>TSQL-C for MySQL 8.0 kernel version has been updated to 3.1.10, and TSQL-C for MySQL 5.7 kernel version has been updated to v.2.1.9. Both kernel versions now support automatic killing of idle transactions, dynamic thread pool, NOWAIT syntax, and invisible index.</p> <p>Kernel 3.1.10 additionally supports the following new features: flashback query, optimization of plan caching point query, statement outline, binlog subscription for read-only instances, blackhole engine, and improved parallel query.</p> <p>Kernel 2.1.9 additionally supports the following new features: returning, auto-increment column persistence, computation pushdown, buffer pool initialization, and hotspot update protection.</p>	2023-08-22	Kernel Version Release Notes
Supported mounting read-only instances for serverless clusters	Serverless clusters support mounting read-only instances, allowing separate configuration of compute unit range for read-only instances. They also support automatic start and stop of read-only instances, which enhances read performance and concurrency while reducing the load on the read-write instance.	2023-08-18	Read-Only Instance Management
Optimized database audit	TSQL-C for MySQL has optimized the audit log page and added multiple search modes, including <code>Include/Exclude</code> , <code>OR/AND</code> , and <code>Segment/Wildcard</code> .	2023-08-09	Viewing Audit Logs

July 2023

Update	Description	Release Date	Documentation

Optimized database audit	TDSQL-C for MySQL has optimized the audit log page and added multiple search modes, such as fuzzy/exact/forward/reverse/simple/complex search. The units of the audit log fields <code>Execution Time</code> and <code>CPU Time</code> in the console and downloaded audit log files are all adjusted to microseconds.	2023-07-12	Viewing Audit Logs
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May 2023

Update	Description	Release Date	Documentation
Launched serverless resource pack	TDSQL-C for MySQL has launched prepaid serverless resource pack. By purchasing a resource pack, you can reserve resources in advance. Compared to the pay-as-you-go option, the resource packs can help you save more costs. It is more cost-effective to purchase larger capacity.	2023-05-31	Purchasing Resource Pack
Launched a new version of database proxy	TDSQL-C for MySQL has released a new version of database proxy. It provides powerful features such as automatic read/write separation, transaction split, and connection pool. It also supports enabling multiple database proxy access addresses (custom routing) to meet the requirements in different business scenarios.	2023-05-10	Database Proxy Overview

March 2023

Update	Description	Release Date	Documentation
Supported instance-level independent IP address	You can set an independent network IP address for the TDSQL-C for MySQL read-write instance or any read-only instance in the cluster, and access the specified instance in the cluster via the corresponding address. Meanwhile, new clusters and existing clusters with only read-write instances no longer support the address connection for read-only groups.	2023-03-13	Connecting to Cluster

January 2023

Update	Description	Release Date	Documentation
Supported the tab view in the console	The TDSQL-C for MySQL console supports the tab and list views. You can switch the view in the cluster list as needed to query and browse cluster information more clearly.	2023-01-05	Switching Cluster Page View in Console

December 2022

Update	Description	Release Date	Documentation
Supported global and session parameter settings	TDSQL-C for MySQL provides the Global Parameters field to help you quickly distinguish between global and session parameters. Once configured, values of global parameters will take effect for all instances in the cluster, while values of session parameters will only apply to the target instance and can be synced to other instances.	2022-12-16	Setting Instance Parameters
Supported formula-based parameter settings and optimized the parameter template	TDSQL-C for MySQL offers more parameter configuration methods and supports default or custom formula-based parameter values to better adapt to your database. You can save parameter settings as a template to import and export parameters, which facilitates the batch management of database clusters.	2022-12-16	Parameter Formula Applying Parameter Template
Launched the new audit service	TDSQL-C for MySQL has launched a new audit service that supports both full and rule-based audit. The service can protect your data from tampering and ensure its integrity and reliability during collection, transfer, and storage.	2022-12-15	Enabling Audit Service

October 2022

Update	Description	Release	Documentation
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		Date	
Supported parallel query	TDSQL-C for MySQL supports parallel query, which schedules and leverages multiple compute resources to greatly shorten the response time of large queries.	2022-10-24	Enabling/Disabling Parallel Query

September 2022

Update	Description	Release Date	Documentation
Supported infrequent access storage for audit	Tencent Cloud provides the infrequent access storage option for TDSQL-C for MySQL audit. You can select a suitable storage type based on your actual storage frequency to reduce audit costs.	2022-09-30	Database Audit Billing

August 2022

Update	Description	Release Date	Documentation
Supported custom password strength	TDSQL-C for MySQL supports the custom password strength feature to protect the database security and meet your needs for compliance with applicable regulations.	2022-08-22	Overview
Optimized the monitoring and alarming feature	TDSQL-C for MySQL adds new monitoring metrics, optimizes metric names, parameters, units, collection/calculation/aggregation methods, the entry to the monitoring feature, and the monitoring page, and is connected to the alarming feature of EventBridge. This improves the system stability and Ops efficiency and reduces the Ops costs, helping you easily stay up to date with the overall database resource usage and status.	2022-08-05	Monitoring and Alarms Overview

July 2022

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Update	Description	Release Date	Documentation
Supported database proxy	TDSQL-C for MySQL supports database proxy between TencentDB services and user applications. With this feature, all database access requests from the applications are proxied, with writes and reads relayed separately to the source and replica databases to relieve the source database.	2022-07-11	Database Proxy Overview

May 2022

Update	Description	Release Date	Documentation
Supported querying and downloading slow query log	TDSQL-C for MySQL supports slow log details query and download. You can download log files in CSV format or native format (supported by open-source analysis tools) to identify and optimize inefficient SQL statements and thus improve the efficiency and performance.	2022-05-31	Querying and Downloading Slow Log Details
Optimized the backup management feature	TDSQL-C for MySQL optimizes the backup management feature. It supports logical backup and snapshot backup, manual backup download and deletion, and backup retention period customization. This improves the integrity of the data backup and rollback features.	2022-05-30	Backup and Rollback Overview

March 2022

Update	Description	Release Date	Documentation
Released TDSQL-C for MySQL performance test reports	TDSQL-C for MySQL performance test reports are released. The tests compare TDSQL-C for MySQL and TencentDB for MySQL in write, read, and read-write scenarios. Test results show that TDSQL-C for MySQL performs better.	2022-03-28	Performance Overview

February 2022

Update	Description	Release Date	Documentation
Updated the kernel minor version of TDSQL-C for MySQL 5.7	v2.0.15: Supported extended tablespace and added new JSON functions: JSON_MERGE_PRESERVE, JSON_MERGE_PATCH, JSON_PRETTY, JSON_STORAGE_SIZE, JSON_ARRAYAGG, JSON_OBJECTAGG. v2.0.16: Optimized <code>undo space truncate</code> to improve the speed of <code>undo truncate</code> on large-spec instances, and optimized the performance of large range queries on read-only instances.	2022-02	Kernel Version Release Notes

January 2022

Update	Description	Release Date	Documentation
Supported read-only instance expansion in TDSQL-C for MySQL 8.0	After the kernel version of TDSQL-C for MySQL 8.0 is upgraded to 3.1.2, it supports read-only instance expansion, which significantly improves the read performance scalability of database clusters.	2022-01	Kernel Version Release Notes

November 2021

Update	Description	Release Date	Documentation
Supported multi-AZ deployment	The engine of TDSQL-C for MySQL supports creating a cluster deployed across AZs. Compared with a single-AZ cluster, a multi-AZ one has better disaster recovery capabilities and can protect your database from being affected by database instance failures, AZ outages, and even IDC-level failures.	2021-11	Multi-AZ Deployment Overview

October 2021

Update	Description	Release Date	Documentation
Supported data subscription	DTS supports the migration of various relational databases including TDSQL-C for MySQL as well as NoSQL databases. You can use data subscription to meet your requirements for commercial data mining and async business decoupling.	2021-10	Data Subscription
Supported automatic fragmented space reclaim	TDSQL-C for MySQL can automatically reclaim fragmented space after data deletion, which reduces the storage costs.	2021-10	-

September 2021

Update	Description	Release Date	Documentation
Supported MySQL 8.0	The engine kernel of TDSQL-C for MySQL now supports MySQL 8.0. Combined with a complete set of management services and proprietary kernel features, it provides more stable and faster cloud native database services that are easier to deploy in more industries and help upgrade your business. Currently, this version doesn't support adding read-only instances.	2021-09	-
Supported instant DDL	TDSQL-C for MySQL supports the instant DDL feature to quickly modify columns in big tables while avoiding data replication. This feature can implement changes in seconds without replicating data or using disk capacity or I/O during peak hours.	2021-09	Instant DDL Overview

August 2021

Update	Description	Release Date	Documentation
Displayed project	Exported bills display the project group information	2021-08	Billing Details

group information in the TDSQL-C for MySQL audit bills	of database instances for you to categorize bills and collect statistics by project group.		
Displayed the instance name in TDSQL-C for MySQL audit	The original "Instance ID" column in the instance list is changed to "Instance ID/Name" to add the instance name for locating instances more quickly.	2021-08	-
Supported seven days as the log retention period in TDSQL-C for MySQL audit	When audit is newly enabled, you can set the log retention period to seven days. This is suitable for scenarios where you want to observe execution conditions and analyze discovered database problems for a short time. For instances with audit already enabled, you can also change the log retention period to seven days.	2021-08	Modifying Audit Service
Optimized search in TDSQL-C for MySQL audit	Fuzzy search is supported, multiple SQL types can be used together for filtering, and the 24-hour limit on the search time period is removed.	2021-08	Viewing Audit Logs

June 2021

Update	Description	Release Date	Documentation
Supported monthly subscription for storage billing	The monthly subscription (prepaid) billing mode is supported for storage. If you have a monthly-subscribed compute node in Provisioned Resource mode, you can select monthly subscription for storage.	2021-06	Billing Overview
Improved serverless compute specifications	In serverless billing mode, the elastic computing power can be configured to up to 16 cores.	2021-06	Serverless Service

May 2021

Update	Description	Release Date	Documentation
Supported database	TDSQL-C for MySQL supports database audit to	2021-05	Enabling Audit

audit	log the fine-grained audit results of database operations and manage operation compliance. This feature helps you get a whole picture of all database SQL operations. It also provides detailed backtracking data of database operations and enables convenient accountability for database security incidents.		Service
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March 2021

Update	Description	Release Date	Documentation
Supported database and table-level rollback	TDSQL-C can roll back databases/tables to the original cluster and roll back an entire cluster (clone) to a new cluster. You can choose different rollback methods according to your business needs.	2021-03	Restoring Data to Original Cluster

December 2020

Update	Description	Release Date	Documentation
Supported the change from pay-as-you-go to serverless billing	The billing mode of TDSQL-C for MySQL can be changed from pay-as-you-go to serverless. TDSQL-C for MySQL implements the change by converting the cluster type on the backend. After the change, the bills and details will change, while the payment mode will still be pay-as-you-go.	2020-12	Change from Pay-as-You-Go to Serverless Billing
Supported the change from pay-as-you-go to monthly subscription	The billing mode of TDSQL-C for MySQL can be changed from pay-as-you-go to monthly subscription. TDSQL-C for MySQL implements the change by generating renewal orders, so you need to make the corresponding payment promptly to ensure that the billing mode change is successful.	2020-12	Change from Pay-as-You-Go to Monthly Subscription
Renamed TencentDB for CynosDB	TencentDB for CynosDB was renamed TDSQL-C on December 24, 2020.	2020-12	Overview
Launched serverless	TencentDB for CynosDB Serverless Edition adopts	2020-12	Serverless

service	the serverless architecture for cloud native database services. It is billed based on the actual computing and storage resource usage, so you only need to pay for what you use while enjoying the cloud native technologies of Tencent Cloud.		Service
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July 2020

Update	Description	Release Date	Documentation
Supported adding read-only instances	TencentDB for CynosDB allows you to create one or more read-only instances in a cluster, which are suitable for read/write separation and one-write-multiple-read application scenarios and capable of greatly enhancing the read load capacity of your database cluster.	2020-07	Creating Read-Only Instance
Supported migrating data with DTS	TencentDB for CynosDB supports migrating data from MySQL 5.7 to CynosDB for MySQL through DTS.	2020-07	Migrating with DTS

Announcements

Announcement on Some APIs with CAM Authentication Integrated

Last updated : 2024-07-01 11:46:04

Dear Tencent Cloud User, starting from June 20, 2024, Tencent Cloud will integrate the CAM authentication for some APIs of TDSQL-C for MySQL. To ensure you can use the relevant APIs normally, please log in to Tencent Cloud [CAM console](#) to grant access permissions for the corresponding APIs before June 20, 2024.

Notes

For users who have obtained authorization before this date, the deployment of authentication will not affect them. However, users who have not obtained authorization after this date and want to use the API need to secure authorization before gaining access to the relevant interfaces.

Time to Take Effect

Beijing Time, June 20, 2024 (Thursday).

API List with CAM Authentication Integrated (11 in Total)

API Name	Interface Description	Authorization Granularity
CreateAuditLogFile	Creates audit log files for cloud database instances	Resource-level
DeleteAuditLogFile	Deletes audit log files of cloud database instances	Resource-level
DescribeAuditLogs	Queries database audit logs	Resource-level
DescribeAuditLogFiles	Queries audit log files of cloud database instances	Resource-level
OpenAuditService	Enables audit service	Resource-level

DescribeAuditInstanceList	Retrieves audit instance list	Operation-level
CloseAuditService	Disables audit service	Resource-level
ModifyAuditService	Modifies audit service	Resource-level
DescribeAuditRuleWithInstanceIds	Retrieves instance audit rules	Operation-level
SearchClusterDatabases	Searches for cluster database list	Resource-level
DescribeInstanceSpecs	Queries the instance specifications available for purchase on the purchase page	Operation-level

Authorization Operation Guide

For authorization operations, please refer to the [authorization operation guide](#).

Announcement on Change of Part of Parameters

Last updated : 2024-03-07 09:50:59

Dear Tencent Cloud user, to achieve smooth switching abilities for small-scale instances, TencentDB for CynosDB will change the parameter value types of certain parameters from January 16 to 31, 2024. Please keep tabs on the changes of relevant cluster parameters.

Change Time

Beijing time from January 16, 2024 (Tuesday) to January 31, 2024 (Wednesday).

Parameters Involved

table_open_cache_instances

innodb_buffer_pool_instances

Parameter Change Description

The aforementioned parameters change within a specified period, with the parameter value type transitioning from a **formula** setting to a **fixed value** setting. This alteration encompasses the parameter template and does not modify the operational numerical values of the instance, leaving the cluster performance and user business unaffected. After that, the parameters will no longer fluctuate in response to alterations in the specifications.

Thank you for your understanding and faith in us!

Announcement on Update of Database Audit Feature

Last updated : 2024-03-07 10:14:53

Dear Tencent Cloud User, as of September 25, 2023, Tencent Cloud will release an updated database audit function for TencentDB for CynosDB. This update optimizes the number of bound rule templates supported by instances, as well as the binding relationship between the rule template and the instance, and increases the event warning capability, which helps users to access risk warnings in time, and quickly locate the audit log. In order to better use the database audit function, you need to pay attention to the following relevant explanations.

Precondition Description

Some features of the database audit features require a ticket submission for use, as specifically outlined below.

If you want to use the rule audit feature, please [submit a ticket](#).

The event alarm feature currently only supports regions including Beijing, Shanghai, Guangzhou, Chengdu and Singapore. If you need to use it, please [submit a ticket](#).

For instances with a full audit type, if you need to set the risk level and alarm policy for audit logs, please [submit a ticket](#).

Feature Update Description

1. The number of bound rule templates supported by the instance has been adjusted from 1 to 5.
2. The relationship between the rule template and the instance has been adjusted from initialization to strong binding. That is, if the content of the rule template is modified, the audit rules applied to instances that have been bound with this rule template will also be synchronously modified.
3. Viewing a rule template bound by each instance , an audit log hit by audit rules, and an instance bound with rule templates is supported.
4. The logic of the rule template for different audit types is as follows:
 - 4.1 Rule templates for instances belonging to Rule Audit are used for retaining audit logs that hit the rule template content, setting risk levels, and alarm policies. Audit logs that did not hit the rule template content are no longer retained.
 - 4.2 Rule templates for instances belonging to Full Audit is only used for setting risk levels and alarm policies for audit logs that hit the rule template content. Audit logs that didn't hit the rule template content are still retained.
5. TencentDB for CynosDB database audit has added some interfaces with CAM authentication. For detailed interfaces and authorization operation guide, refer to [\[Announcement of New API Interface Authentication for](#)

[Database Audit on September 25, 2023](#)].

Note:

Within the realm of database audit, the creation, modification, query, and deletion of rule templates are operation level authentication- altering these rule templates will impact the audit rules of instances that already adhere to the said rule template.

Announcement on Authentication of a Newly Added API Interface of Database Audit

Last updated : 2024-03-07 10:09:31

Dear Tencent Cloud User, on September 25, 2023, Tencent Cloud will incorporate CAM authentication access for a portion of the API interfaces pertaining to TencentDB for CynosDB database audit. To ensure normal access to the corresponding interfaces, please log in to the Tencent Cloud [Cloud Access Management console](#) prior to September 25, 2023, and add the necessary authorizations for the corresponding interfaces.

Notes

For users who have obtained authorization before this date, the deployment of authentication will not affect them. However, users who have not obtained authorization after this date and want to use the API need to secure authorization before gaining access to the relevant interfaces.

Time to Take Effect

Monday, September 25, 2023, Beijing Time.

APIs that Require CAM Authentication (Fourteen in Total)

API Name	Interface Description	Authorization Granularity
ModifyAuditService	Modifying the storage duration of audit logs, audit rules, and other service configurations for Tencent Cloud Database	Resource-level
DescribeInstanceAuditConfig	Querying the instance audit configuration of the instance	Operation-level
DescribeAuditRuleWithInstanceIds	Querying the audit rules of the instance based on the instance ID	Resource-level
DeleteAuditRuleTemplates	Deleting audit rule templates	Operation-level
DescribeAuditLogs	Querying audit logs	Resource-level

DescribeAuditLogFiles	Investigating audit log files	Resource-level
CreateAuditLogFile	Establishing audit log files	Resource-level
DeleteAuditLogFile	Deleting audit log files	Resource-level
DescribeInstanceAuditConfig	Querying the audit state of the instance	Operation-level
DescribeAuditLogs	Audit log list page	Resource-level
DescribeAuditRuleTemplateModifyHistory	Querying modification records of rule templates	Operation-level
ModifyAuditRuleTemplates	Modifying audit rule template	Operation-level
DescribeAuditRuleTemplates	Querying the audit rule template information	Operation-level
CreateAuditRuleTemplate	Creating an audit rule template	Operation-level
OpenAuditService	Activating audit service for instance	Resource-level

Authorization Operation Guide

1. Log in to [Cloud Access Management console](#).
2. On the left navigation bar, click **Policy**.
3. Select **New Custom Policy > Create by Policy Generator**, configure the corresponding policy parameters, and click **Next**.

Resource-level Interfaces

Effect: Select **Allow**.

Service: Cloud Native Database TDSQL-C (cynosdb).

Operation: According to the above [API list](#), find and check the required resource levels interface.

Resource: You can choose a specific instance or select all resources.

1 Edit Policy > 2 Associate User/User Group/Role

Visual Policy GeneratorJSON

Cloud Native Database TDSQL-C(1 actions)

Effect *

Allow

Deny

Service *Cloud Native Database TDSQL-C (cynosdb)

Action *

Collapse

Select actions

☐ All actions (cynosdb:*)

Fold

Select Action

DescribeAuditRuleWithInstancelds

☒ Action Name

Authorization Granularity ↑

Description

☒ DescribeAuditRuleWithInstancelds

Resource-level

According to the instance ID, query the ...

Support for holding shift key down for multiple selection

Add Custom Action

Action Type

☒ Read (1 selected)

Show More

☒ Write (1 selected)

Show More

☐ List

Show More

Resource *All resources (*)

Condition

☐ Source IP ⓘ

Add other conditions

+ Add Permissions

Next

Characters: 181 (up to 6,144)

Operation-level APIs

Effect: Select **Allow**.

Service: Cloud Native Database TDSQL-C (cynosdb).

Action: Identify and select the required operating level interfaces according to the above [API list](#).

Resource: As it is not possible to specify instance, selecting all resources is suffice.

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1 Edit Policy > 2 Associate User/User Group/Role

Visual Policy GeneratorJSON

Cloud Native Database TDSQL-C(1 actions)

Effect *

Allow

Deny

Service *Cloud Native Database TDSQL-C (cynosdb)

Action *

Collapse

Select actions

☐ All actions (cynosdb:*)

Fold

Select Action

Action Name	Authorization Granularity	Description
<input checked="" type="checkbox"/> DeleteAuditRuleTemplates	Operation-level	Delete audit rule template

Selected (2)

Action Name	Authorization Gr
DeleteAuditRuleTemplates	Operation-level
DescribeInstanceAuditConfig	Operation-level

Add Custom Action

Action Type

☒ Read (1 selected)

Show More

☒ Write (1 selected)

Show More

☐ List

Show More

Resource *All resources (*)

Condition

☐ Source IP ⓘ

Add other conditions

+ Add Permissions

Next

Characters: 181 (up to 6,144)

4. Enter the basic policy information, associate it with a user/user group/role, and on completion, click **Complete**.

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**Edit Policy****Associate User/User
Group/Role****Basic Info**

Policy Name *

policygen-

After the policy is created, its name cannot be modified

Description

Please enter the policy description

**Associate User/User
Group/Role**

Authorized Users

[Select Users](#)

Authorized User Groups

[Select User Groups](#)

Grant Permission to Role

[Select Role](#)[Previous](#)[Complete](#)

Announcement on Change of Public Network Linkage

Last updated : 2024-03-07 10:16:30

Dear Tencent Cloud user,

In order to offer a stable and superior cloud database service, Tencent Cloud plans to replace the public network linkage for TencentDB for CynosDB. The details of the replacement schedule and its impacts are described below.

Change Time

Beijing Time: 01:00-02:00 AM, September 12, 2023, Tuesday.

Impact

During the transition to a public network linkage, access to the database through an public network address may face momentary disruptions. Hence, it is vital to ascertain that your business has a reconnection mechanism in place. Although the domain name and port for public network access to the database will remain constant, the public IP address will undergo change. It is prudent to switch the public network access IP address in your configuration to the public network access domain name, thereby avoiding any additional implications caused by this change. The private network access will remain unaffected.

TDSQL-C for MySQL Audit Service Update

Last updated : 2023-07-27 15:25:18

Tencent Cloud updated the database audit service of TDSQL-C for MySQL on July 12, 2023. This update mainly involves the audit log page as follows:

1. When searching audit logs, the character used to separate multiple search items is changed from **comma** to **line break**.
2. The units of the audit log fields **Execution Time** and **CPU Time** in the console and downloaded audit log files are all adjusted to **microseconds**.

Audit log fields	Unit in the console before update	Unit in the downloaded audit log file before update	Unit after update
Execution Time	Millisecond (ms)	Microsecond (μs)	Microsecond (μs)
CPU Time	Microsecond (μs)	Nanosecond (ns)	Microsecond (μs)

This update will not affect your use of the database. Thank you for your trust and support.

Emergency Fix for Certain Monitoring Metrics

Last updated : 2023-02-07 11:48:39

The TDSQL-C for MySQL team made an emergency fix for certain monitoring metrics on November 25, 2022. After the fix, the historical data of such metrics in the past month was cleared. Be sure to check the metric changes and alarm thresholds.

Fix time

Friday, November 25, 2022.

Fixed metrics

The incorrect data issue of monitoring metrics **QPS (queries executed per second)** and **TPS (transactions executed per second)** caused by abnormal reporting and aggregation was fixed. After the fix, data is aggregated based on the maximum instantaneous value (MAX).

Impact of change

To avoid ambiguity, the incorrect historical data of the QPS and TPS metrics in the past month was cleared. Be sure to check the metric changes and alarm thresholds.

Monitoring Metric Optimization

Last updated : 2023-01-12 11:56:02

In order to help you better discover problems and protect your business, TDSQL-C for MySQL has optimized the aggregation method of certain monitoring metrics. Such metrics will be aggregated in MySQL's native SUM method, which will cause the metric data volume to increase. We recommend you promptly check out the corresponding changes of metrics and alarm configuration.

Change time

Tuesday, November 22, 2022.

Notes

After the metrics are optimized, the metric data volume may increase. We recommend you promptly check out the corresponding changes of metrics and alarm configuration.

Involved metrics

The monitoring metrics involved include:

Created Threads, Full-Table Scans, SELECT Statements, UPDATE Statements, DELETE Statements, INSERT Statements, REPLACE Queries, Total Queries, COMMIT Statements, Rollbacks, Temp Tables, Table Lock Waits, Table Locks Released Immediately, Data Read in InnoDB, Total InnoDB Reads, Total Data Written in InnoDB, Data Written in InnoDB, Rows Deleted from InnoDB Tables, Rows Inserted to InnoDB Tables, Rows Updated in InnoDB Tables, Rows Read from InnoDB Tables, InnoDB Row Lock Waits, Temp Files, Requests to Read Next Row, Rollbacks Performed in Storage Engine, Internal COMMIT Statements, InnoDB Logical Reads, InnoDB Physical Reads, Writes in InnoDB Buffer Pool.

Some AZs Are Sold Out

Last updated : 2023-06-19 10:31:40

Instances in some AZs are sold out temporarily due to high resource demands. We will notify you when they are available again after more resources are added.

Note:

Serverless clusters are not affected and can still be purchased normally in sold-out AZs.

Time of sell-out

Wednesday, October 26, 2022.

Sold-out AZs

Region	AZ	Sold-Out Instance Type
Guangzhou	Guangzhou Zone 4	General, dedicated

We apologize for any inconvenience caused.

Change to Database Audit Resource ID

Last updated : 2023-02-07 11:48:39

Tencent Cloud Database Audit has gradually changed "database audit resource ID" to "database instance resource ID" since June 15, 2022, so that you can view your account's billing details more clearly.

Change Time

From June 15, 2022 (Wednesday) to June 30, 2022 (Thursday).

Notes

This change only affects the way your resource IDs are displayed in billing details and has no impacts on billing.

FAQs

Why did my bill in June 2022 have two different resource IDs for a unified billing item?

This is because the resource ID has changed from an ID starting with "dbAudit#" to a database resource ID. Fees incurred by the original resource ID (starting with "dbAudit#") are only those incurred before the change.

Will the resource ID change affect other features?

No.

Ops Change

Last updated : 2023-06-19 10:32:03

The TencentDB team will perform grayscale upgrade on the backend system of all TDSQL-C for MySQL clusters in batches to improve the performance and stability. **During the upgrade, database access will not be affected, but a network jitter lasting only milliseconds may occur in extreme cases.** For more information on the involved regions, AZs, and upgrade time, see the following table:

Note:

The upgrade time is a period of time when all the clusters in a region are upgraded. The network jitters only once in each cluster.

Region	AZ	Upgrade Time	Impact
Shanghai	Shanghai Zone 2	May 12–21, 2022	A network jitter within milliseconds, which won't interrupt the access.
	Shanghai Zone 4		
	Shanghai Zone 5		
Nanjing	Nanjing Zone 1	May 20–26, 2022	
Silicon Valley	Silicon Valley Zone 2	May 30–June 8, 2022	
Hong Kong (China)	Hong Kong (China) Zone 2		
Frankfurt	Frankfurt Zone 2		
Taipei (China)	Taipei (China) Zone 1		
Singapore	Singapore Zone 3		
Virginia	Virginia Zone 1		
	Virginia Zone 2		
Guangzhou	Guangzhou Zone 4	June 7–14, 2022	
	Guangzhou Zone 5		
	Guangzhou Zone 6		
	Guangzhou Zone 7		

Beijing	Beijing Zone 3	June 16-25, 2022	
	Beijing Zone 5		
	Beijing Zone 6		
	Beijing Zone 7		

We apologize for any inconvenience caused.

Storage Price Adjustment Notification

Last updated : 2022-03-22 16:50:57

Dear Tencent Cloud users, we appreciate your support for TDSQL-C for MySQL and will adjust its **monthly subscribed storage price** as follows from March 22, 2022:

Region	Monthly subscribed storage price for TDSQL-C for MySQL	
	Old price	New price
Guangzhou, Shanghai, Beijing, Nanjing, Shenzhen	0.34235294 USD/GB/month	<3000 GB: 0.20541177 USD/GB/month ≥3000 GB: 0.18829412 USD/GB/month
Hong Kong (China), Taipei (China), Singapore, Tokyo, Silicon Valley, Virginia, Frankfurt	0.37411765 USD/GB/month	<3000 GB: 0.22447059 USD/GB/month ≥3000 GB: 0.20576471 USD/GB/month

Tencent Cloud is committed to providing users with high-quality and low-cost cloud resource services. In the future, we will adjust product prices in a timely and reasonable manner in response to cost changes.

Thank you for your support.