TDSQL-C for MySQL

Purchase Guide

Product Documentation

Contents

Purchase Guide
Billing Overview

Last updated：2022-07-26 19:56:01

This document describes all the possible billable items of TDSQL-C for MySQL.

Billable items

Billable Item	Description	Status	Supported Billing Mode
Compute node	• Compute nodes include read-write nodes and read-only nodes. • Such fees are subject to the node region, specification, and usage duration.	Charged upon purchase/use	• Monthly subscription • Pay-as-you-go • Serverless
Storage space	• Storage space refers to the space used by data files, index files, log files (redo logs, undo logs, slow logs, and error logs), and temporary files. Fees are charged for the used storage space. • Such fees are subject to the data volume and storage duration.	Charged upon purchase/use	• Monthly subscription • Pay-as-you-go
Backup storage space	• Backup files take up the storage space. Backup modes include automatic and manual, and backup objects include binlog and data. Storage space used by all backup files incurs fees under this billable item. • Such fees are subject to the capacity and retention duration.	Free of charge for now	Pay-as-you-go
Database audit	• TDSQL-C for MySQL provides database audit capabilities, which can record accesses to databases and executions of SQL statements to help you manage risks and improve the database security. • You need to pay for database audit only after it is enabled.	Charged upon purchase/use	Pay-as-you-go

Supported billing modes

Billing Mode	Supported Engine	Payment Mode	Use Case
Monthly subscription	MySQL	Prepaid. You need to pay the fees when creating an instance.	It is more cost-effective in the long term for businesses with stable needs than pay-as-you-go billing. Moreover, the longer a service is purchased, the less it costs.
Pay-as-you-go	MySQL	Postpaid. You can apply for resources for on-demand use and will be charged based on the actual usage of resources upon settlement.	It is suitable for businesses that may fluctuate greatly and instantaneously. In this mode, instances can be released immediately after use to save costs.
Serverless	MySQL	Postpaid. You can set the maximum and minimum computing power values as needed first, but you will be charged based on the actual usage of computing and storage resources upon settlement.	It is suitable for business scenarios with low frequency and uncertain load such as development and testing. Description A serverless instance will start with the minimum CPU specification during initialization and will be downgraded if there are no requests in ten minutes after startup. Therefore, even if you don't use the instance after purchasing it, compute node fees will be charged for ten minutes.

Product Pricing

Last updated：2022-07-08 15:22:53

This document describes the pricing of TDSQL-C for MySQL.

Billing Details

Note：
Value-added services are billed independently of compute nodes and storage space. For more information, see Value-Added Service Pricing.

Total monthly subscription fees = compute node fees + storage space fees = compute node price * number of compute nodes + storage space price * storage space

Total pay-as-you-go fees = compute node fees + storage space fees = compute node price * number of compute nodes + storage space price * storage space

Total serverless fees = compute node fees + storage space fees = serverless computing power price * number of CCUs + storage space price * storage space

TDSQL-C for MySQL adopts a computing-storage separation architecture. You can purchase multiple compute nodes for a single cluster. Each compute node is billed separately, and all compute nodes in the same cluster share the same storage space, so you only need to pay for one storage space.

- Compute node fees are charged in the corresponding billing mode (monthly subscription, pay-as-you-go, or serverless) based on the specification you purchase.
- Storage space fees are charged in your selected billing mode: monthly subscription (prepaid storage space) or pay-as-you-go (postpaid by hourly storage space usage).

Note：
Monthly-subscribed storage space can be purchased only after you select the monthly subscription billing mode for TDSQL-C for MySQL.

Compute Node Pricing

Compute Node Specification	Guangzhou, Shanghai, Beijing, and Nanjing		Hong Kong (China) and Taipei (China)		Beijing Finance	
	Pay-as-You-Go Price (USD/Hour)	Monthly Subscription Price (USD/Month)	Pay-as-You-Go Price (USD/Hour)	Monthly Subscription Price (USD/Month)	Pay-as-You-Go Price (USD/Hour)	Monthly Subscri Price (USD/M
1-core 1 GB MEM	0.038952	8.82352942	0.065268	31.32352941	0.0585	28.0588
1-core 2 GB MEM	0.049968	13.23529412	0.083664	40.14705882	0.07506	36
2-core 4 GB MEM	0.099936	48.00000002	0.167328	80.29411764	0.15012	72
2-core 8 GB MEM	0.144	69.17647062	0.240912	115.58823528	0.21636	103.764
2-core 16 GB MEM	0.232128	111.52941182	0.38808	186.17647056	0.34884	167.294
4-core 8 GB MEM	0.199872	96.00000004	0.334656	160.58823528	0.30024	144
4-core 16 GB MEM	0.288	138.35294124	0.481824	231.17647056	0.43272	207.529
4-core 24 GB MEM	0.376128	180.70588244	0.628992	301.76470584	0.5652	271.058
4-core 32 GB MEM	0.464256	223.05882364	0.77616	372.35294112	0.69768	334.588
8-core 16 GB MEM	0.399744	192.00000008	0.669312	321.17647056	0.60048	288
8-core 32 GB MEM	0.576	276.70588248	0.963648	462.35294112	0.86544	415.058
8-core 48 GB MEM	0.752256	361.41176488	1.257984	603.52941168	1.1304	542.117
8-core 64 GB MEM	0.928512	446.11764728	1.55232	744.70588224	1.39536	669.176

Compute Node Specification	Guangzhou, Shanghai, Beijing, and Nanjing		Hong Kong (China) and Taipei (China)		Beijing Finance	
	Pay-as-You-Go Price (USD/Hour)	Monthly Subscription Price (USD/Month)	Pay-as-You-Go Price (USD/Hour)	Monthly Subscription Price (USD/Month)	Pay-as-You-Go Price (USD/Hour)	Monthly Subscri Price (USD/M
12-core 48 GB MEM	0.864	415.05882372	1.445472	693.52941168	1.29816	622.588
12-core 72 GB MEM	1.128384	542.11764732	1.886976	905.29411752	1.6956	813.176
12-core 96 GB MEM	1.392768	669.17647092	2.32848	1117.05882336	2.09304	1003.76
16-core 64 GB MEM	1.152	553.41176496	1.927296	924.70588224	1.73088	830.117
16-core 96 GB MEM	1.504512	722.82352976	2.515968	1207.05882336	2.2608	1084.23
16-core 128 GB MEM	1.857024	892.23529456	3.10464	1489.41176448	2.79072	1338.35
24-core 96 GB MEM	1.728	830.11764744	3.10464	1387.05882336	2.59632	1245.17
24-core 144 GB MEM	2.256768	1084.23529464	3.773952	1810.58823504	3.3912	1626.35
24-core 192 GB MEM	2.785536	1338.35294184	4.65696	2234.11764672	4.18608	2007.52
32-core 128 GB MEM	2.304	1106.82352992	3.854592	1849.41176448	3.46176	1660.23
32-core 192 GB MEM	3.009024	1445.64705952	5.031936	2414.11764672	4.5216	2168.47
32-core 256 GB MEM	3.714048	1784.47058912	6.20928	2978.82352896	5.58144	2676.70
48-core 192 GB MEM	3.456	1660.23529488	5.781888	2774.11764672	5.19264	2490.35

Compute Node Specification	Guangzhou, Shanghai, Beijing, and Nanjing		Hong Kong (China) and Taipei (China)		Beijing Finance	
	Pay-as-You-Go Price (USD/Hour)	Monthly Subscription Price (USD/Month)	Pay-as-You-Go Price (USD/Hour)	Monthly Subscription Price (USD/Month)	Pay-as-You-Go Price (USD/Hour)	Monthly Subscri Price (USD/M
48-core 288 GB MEM	4.513536	2168.47058928	7.547904	3621.17647008	6.7824	3252.70
48-core 384 GB MEM	5.571072	2676.70588368	9.31392	4468.23529344	8.37216	4015.05
48-core 488 GB MEM	6.716736	3227.29411928	11.227104	5385.88235208	10.0944	4840.94
64-core 256 GB MEM	4.608	2213.64705984	7.709184	3698.82352896	6.92352	3320.47
64-core 384 GB MEM	6.018048	2891.29411904	10.063872	4828.23529344	9.0432	4336.94
64-core 512 GB MEM	7.428096	3568.94117824	12.41856	5957.64705792	11.16288	5353.41
88-core 710 GB MEM	10.279728	4939.05882598	17.185896	8244.7058811	15.44832	7408.58

Serverless Computing Power Pricing

Billable Unit	Guangzhou, Shanghai, Beijing, and Nanjing
	CCU Price (USD/Unit/Second)
Serverless instance	0.00001397

Note：

- CynosDB Compute Unit (CCU) is the computing and billing unit for the Serverless Edition. A CCU is approximately equal to 1 CPU core and 2 GB memory. The number of CCUs used in each billing cycle is the greater value between the number of CPU cores used by the database and 1/2 of the memory size.

- You can refer to product specifications to select the corresponding maximum and minimum CCU values. The storage space upper limit is the same as the maximum storage space corresponding to the common compute node specifications.

Storage Space Pricing

Guangzhou, Shanghai, Beijing, Nanjing, and Beijing Finance		Hong Kong (China), Taipei (China), Singapore, Silicon Valley, Frankfurt, Tokyo, and Virginia	
Pay-as-You-Go Price (USD/GB/Hour)	Monthly Subscription Price (USD/GB/Month)	Pay-as-You-Go Price (USD/GB/Hour)	Monthly Subscription Price (USD/GB/Month)
0.00072	• Below 3,000 GB: 0.20541177 • 3,000 GB or above: 0.18829412	0.000792	• Below 3,000 GB: 0.22447059 • 3,000 GB or above: 0.20576471

Value-Added Service Pricing

Backup space price

The backup space is free of charge for now.

Database audit price

Database audit is billed by the stored log size for every clock-hour, and usage duration shorter than one hour will be calculated as one hour.

Region	Price (USD/GB/Hour)
China (including the Chinese mainland, Hong Kong, Taipei, and finance zones)	0.00147059
Other countries and regions	0.002239

Fees Calculation Examples

Note：

The following prices are for demonstration only. The actual prices at the official website shall prevail, which may vary by region, campaign, or policy.

Example 1. Both compute nodes and the storage space are monthly subscribed

You purchased a 1-core 2 GB MEM TDSQL-C for MySQL cluster that contained one instance in Beijing Zone 5 for one month, and used 10 GB of storage space every day.

Monthly compute node fees = 13.23529412 USD/month * 1 month * 1 = 13.23529412 USD
Monthly storage space fees = 0.20541177 USD/GB/month * 10 GB = 2.0541177 USD
Total monthly fees = compute node fees + storage space fees = 13.23529412 USD + 2.0541177 USD = 15.28941182 USD

Example 2. Both compute nodes and the storage space are pay-as-you-go

You purchased a 1-core 2 GB MEM TDSQL-C for MySQL cluster that contained one instance in Beijing Zone 5, and used 10 GB of storage space every day.

Daily compute node fees = 0.049968 USD/hour * 24 hours * 1 = 1.199232 USD
Daily storage space fees = 0.00072 USD/GB/hour * 10 GB * 24 hours = 0.1728 USD
Total daily fees = compute node fees + storage space fees = 1.199232 USD + 0.1728 USD = 1.372032 USD

Example 3. Compute nodes are monthly subscribed while the storage space is pay-as-you-go

You purchased a 1-core 2 GB MEM TDSQL-C for MySQL cluster that contained one instance in Beijing Zone 5, and used 30 GB of storage space in total for 10 days.

Monthly compute node fees = 13.23529412 USD/month * 1 month * 1 = 13.23529412 USD
Storage space fees for 10 days = 0.00072 USD/GB/hour * 30 GB * 24 hours * 10 = 5.184 USD
Total fees after 10 days = compute node fees + storage space fees = 13.23529412 USD + 5.184 USD = 18.4192941 USD

Example 4. Compute nodes are serverless while the storage space is pay-as-you-go

You purchased a serverless database with a minimum computing specification of 0.25 CCU/s and a maximum computing specification of 2 CCU/s in Beijing Zone 5, and used 10 GB of storage space all day and an average of 1.5 CCU/s in one hour every day.

Daily compute node fees = 1.5 * 3600 seconds * 0.00001397 USD/unit/second = 0.075438 USD
Daily storage space fees = 0.00072 USD/GB/hour * 10 GB * 24 hours = 0.1728 USD
Total daily fees = compute node fees + storage space fees = 0.075438 USD + 0.1728 USD = 0.248238 USD

Purchase Methods

Last updated：2022-04-18 11:09:35

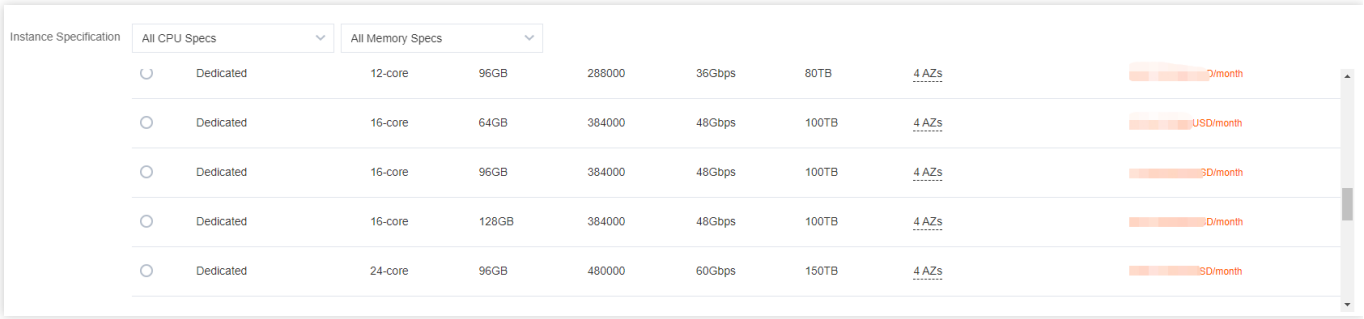
This document describes how to create a cluster in the TDSQL-C for MySQL console.

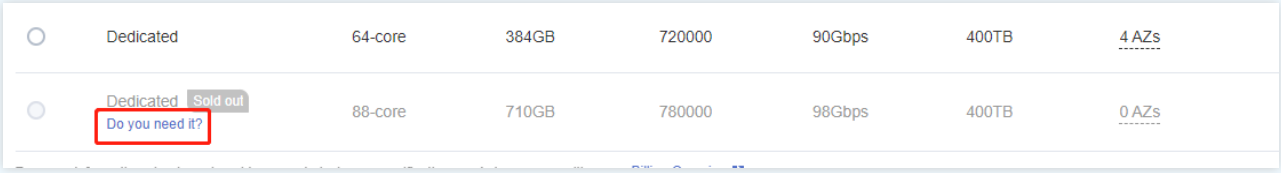
Prerequisites

To make a purchase, you need to complete identity verification first. For more information, see Identity Verification Guide.

Directions

1. Log in to the purchase page, complete the **Database Configuration** settings, and click **Next**.
   - **Compute Billing Mode**: Monthly subscription, pay-as-you-go, and serverless billing modes are supported.
   - **Region**: Select a region for database deployment.
   - **Source AZ**: Select an AZ for deployment. Specific AZs in the selected region are shown on the actual purchase page.
   - **Multi-AZ Deployment**: Select whether to enable multi-AZ deployment. If you enable it, the replica AZ option will appear.
   - **Replica AZ**: It is disabled by default and can be selected after multi-AZ deployment is enabled.
   - **Network**: For performance and security considerations, only VPC network is supported currently. CVM instances can communicate with TDSQL-C clusters only in the same VPC.
   - **Compatible Database**: MySQL 5.7 and 8.0 are supported.
   - **Compute Instance Quantity**: The instance quantity includes one read-write instance and one or more read-only instances. We recommend you select at least two instances to ensure the high availability of the cluster. After the cluster is created, you can expand its read capacity by adding read-only instances.
   - **Instance Specification**: For more information on calculating the instance specification and storage capacity, see Billing Overview.



> Note：
> If your desired instance specification is sold out, you can click **Do you need it?**, and the pop-up window will display instances of the same specification in other AZs. If none of them meet your requirements, submit a ticket for assistance.
>
> 
>

- **Storage Billing Mode**:
  - Pay-as-you-go billing is supported, which means you don't need to specify a storage option when you buy. TDSQL-C for MySQL is billed by the actual storage used per hour.
  - Monthly subscription billing is supported, which means you need to purchase monthly-subscribed storage space now (billed in the entirety regardless of whether it is used up).

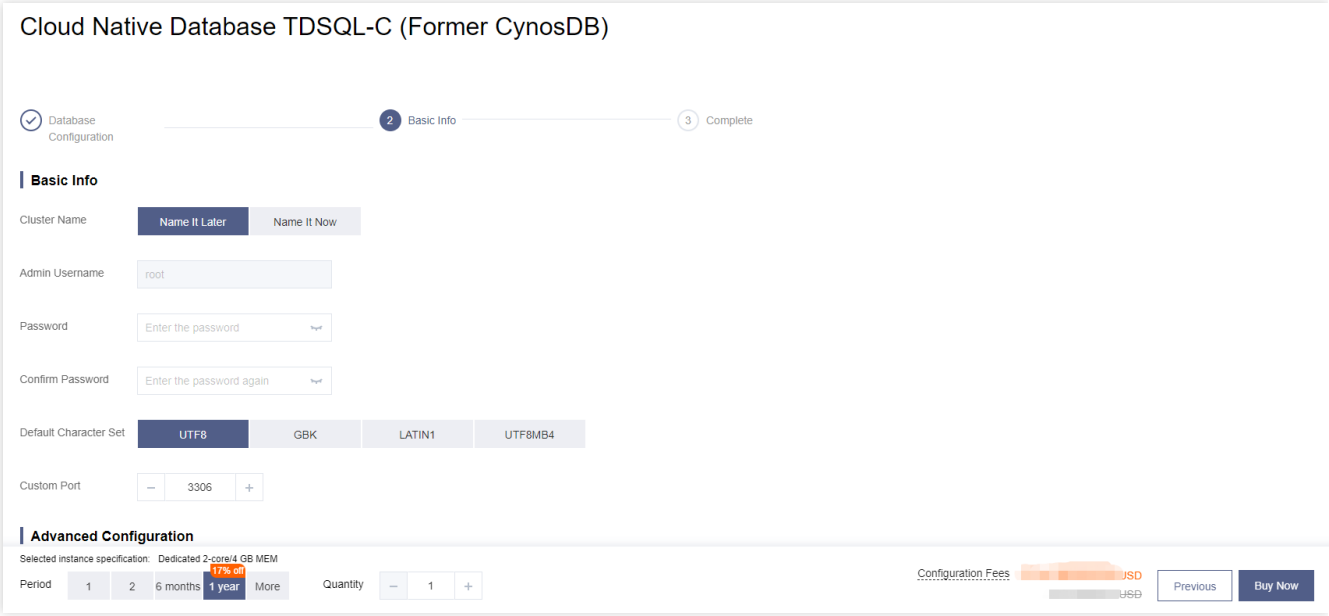
    > Note：
    > Monthly-subscribed storage space can be purchased only after you select the monthly subscription billing mode.

- **Auto-Renewal**: Auto-renew the device monthly upon expiration if your account has sufficient balance.

2. Complete the **Basic Info** and **Advanced Configuration** settings, select the **Validity Period**, confirm the fees, and click **Buy Now**.
   - **Basic Info**
     - **Cluster Name**: Name the cluster now or later with up to 60 letters, digits, hyphens, underscores, and dots.
     - **Admin Username**: It is **root** by default.

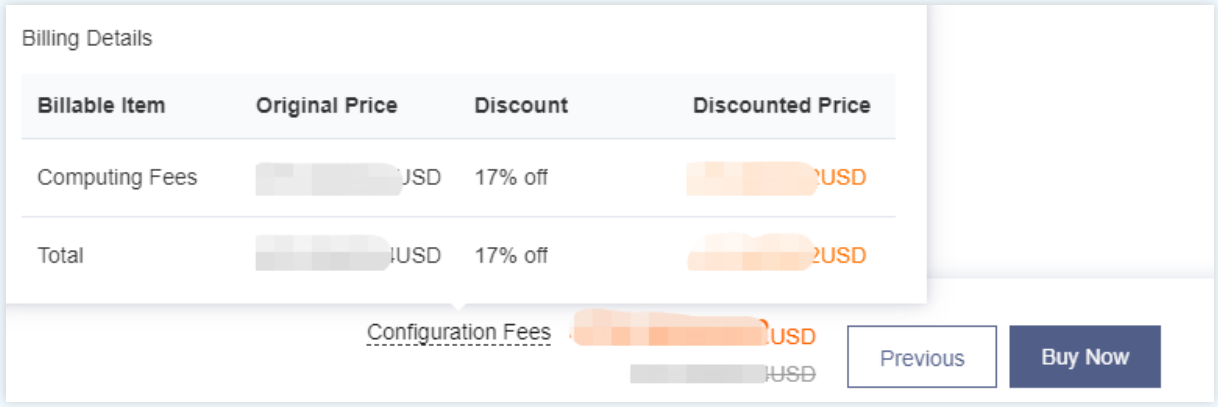
- **Password**: The password can contain 8–64 characters in at least three of the following character types: uppercase letters, lowercase letters, digits, and special symbols `~!@#$%^&*_-+=|\(){}[]:;'<>,.?/` .
- **Default Character Set**: UTF8, GBK, LATIN1, and UTF8MB4 are supported.
- **Custom Port**: It is 3306 by default and can be customized.

- **Advanced Configuration**
  - **Security Group**: Select or create a security group.
  - **Parameter Template**: Select or create a parameter template.
  - **Table Name Case Sensitivity**: Select **Case-Insensitive** or **Case-Sensitive**.
  - **Project**: Specify a project for the cluster to be created.
  - **Alarm Policy**: Select or create an alarm policy.
  - **Tag**: Add a tag to facilitate resource categorization and management.
  - **Terms and Conditions**: Read and indicate your consent to the terms and conditions.



Note：

- When you hover over **Configuration Fees**, the details such as computing fees and storage fees will be displayed.



- Cluster quantity
  Pay-as-you-go: You can purchase up to ten TDSQL-C for MySQL clusters in each AZ. If you need more, submit a ticket for assistance.
  Monthly subscription: You can purchase an unlimited number of clusters.
- When the amount of data stored in a cluster exceeds its maximum storage space, the cluster can only read but not write data. In this case, you can choose to delete redundant data or upgrade the specification.

3. After the purchase is completed, you will be redirected to the cluster list. After the status of the cluster becomes **Running**, it can be used normally.

Subsequent Operations

After purchasing the TDSQL-C for MySQL cluster, you can connect to it through its private or public network address or DMC. For more information, see Connecting to Cluster.

Renewal

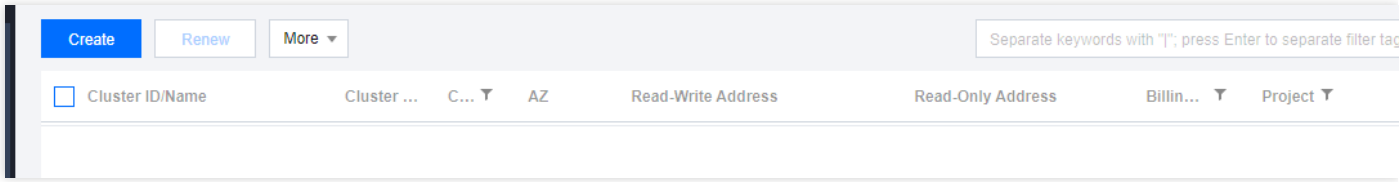
Last updated：2022-03-28 15:34:49

TDSQL-C for MySQL can be renewed in the console or renewal management center.

Renewal in the Console

Manual renewal

1. Log in to the console, select one or more clusters to be renewed in the cluster list, and click **Renew** at the top.



2. In the pop-up window, select the renewal length and click **OK**.
3. On the pop-up order confirmation page, confirm that everything is correct and make the payment.

Auto-Renewal

1. Log in to the console, select one or more clusters to be renewed in the cluster list, and click **More** > **Set to Auto-Renewal** at the top.
2. In the pop-up window, confirm that everything is correct and click **OK**.

Renewal in the Renewal Management Center

The Renewal Management page provides features such as **Bulk Renewal**, **Set to Auto-Renewal**, and **Collective Expiration Date** for clusters.

Payment Overdue

Last updated：2022-03-24 18:12:35

Monthly Subscription

Alerts

- From seven days before your resource expires until the resource is released, the system will send alerts to your Tencent Cloud account creator, global resource collaborators, and financial collaborators via email, SMS, and other methods as configured in the message subscription in the Message Center.

Repossession mechanism

- Seven days before the expiration of your DSQL-C for MySQL resources, the system will send you a renewal notification.
- After expiration, your DSQL-C for MySQL cluster cannot be used and will be put into the recycle bin. You can view and renew the corresponding instances and the cluster on the recycle bin page in the console.
- Resources in the recycle bin will be retained for seven days. If the database in the recycle bin is not renewed within seven days, it will be repossessed, and all data will be deleted and cannot be recovered.

Pay-as-You-Go

> Note：
> After you stop using pay-as-you-go resources, **terminate them as soon as possible** to avoid fee deductions. Since your actual resource consumption is constantly changing, some slight discrepancies may exist for your stated balance.

Alerts

- Pay-as-You-Go resources are billed on the hour. When your account balance becomes negative, the system will send an alert to your Tencent Cloud account creator, global resource collaborators, and financial collaborators via email, SMS, and other methods as configured in the message subscription in the Message Center.

Processing for overdue payments

1. **When your account balance becomes negative:**

- You can continue to use your DSQL-C for MySQL cluster for 24 hours. We will continue to bill you for this period.
- After 24 hours, your DSQL-C for MySQL cluster will be automatically isolated into the recycle bin, and the billing will stop.

2. **After the isolation:**

- If you top up your account within 3 days after the isolation to a positive balance, the billing will continue, and the cluster will be automatically recovered for normal use.
- If your account balance remains negative after 3 days, the isolated cluster will be deactivated and put into the repossession queue, and all data in it will be cleared and cannot be recovered.

  When the cluster is repossessed, the system will send an alert to your Tencent Cloud account creator, global resource collaborators, and financial collaborators via email, SMS, and other methods as configured in the message subscription in the Message Center.

Refund

Last updated：2022-05-09 14:53:41

- Monthly subscription (prepaid): You can submit a ticket for refund. Each account is entitled to unconditional full refund only once within five days after purchase by default. Non-full refunds will be provided for other refund requests.
- Pay-as-you-go (postpaid): TDSQL-C for MySQL resources will be directly returned without refund. Pay-as-you-go clusters can be returned in the cluster list in the console.

Change from Pay-as-You-Go to Monthly Subscription

Last updated：2022-03-31 15:39:36

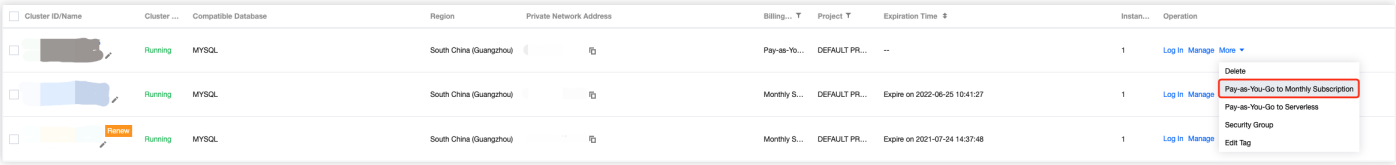
The billing mode of TDSQL-C for MySQL can be changed from pay-as-you-go to monthly subscription. TDSQL-C for MySQL implements this change by generating renewal orders, so please make the corresponding payment promptly to ensure the billing mode change is successful.

Note：

- Please rest assured that access to your business will not be affected during the change from pay-as-you-go billing to monthly subscription billing.
- The change from pay-as-you-go billing to monthly subscription billing is irreversible.

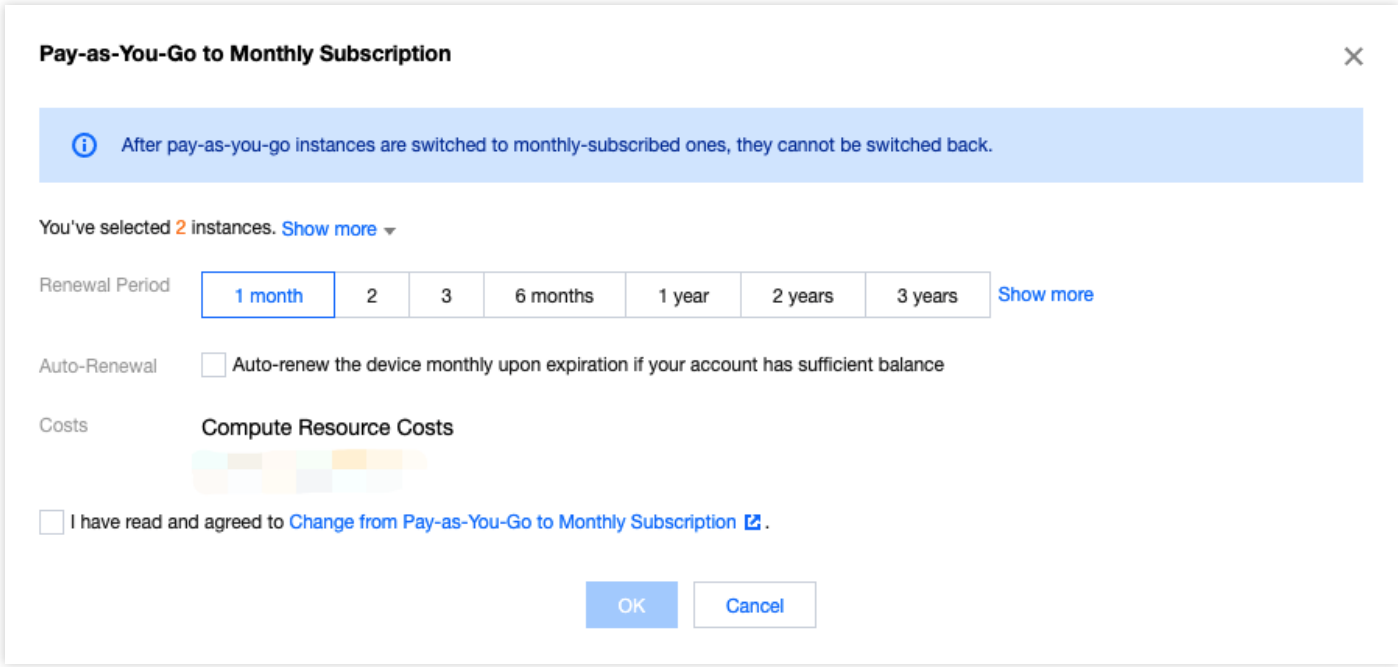
Directions

1. Log in to the console, select the target cluster in the cluster list, and click **More** > **Pay-as-You-Go to Monthly Subscription** in the **Operation** column.



2. In the pop-up window, select the renewal length, check the box to agree to the rules of the pay-as-you-go to monthly subscription billing mode change, and click **OK**.

Note：
You can also select auto-renewal to automate your subsequent renewals.



Change from Pay-as-You-Go to Serverless Billing

Last updated：2022-06-07 10:32:09

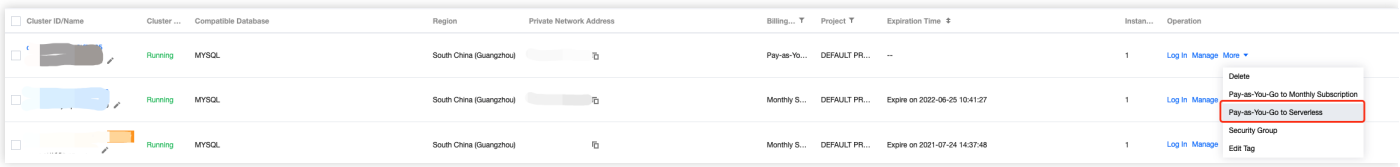
TDSQL-C for MySQL can be changed from pay-as-you-go to serverless. TDSQL-C for MySQL implements this change by converting the cluster type on the backend. After this change, the bill details will also change, while the payment mode will remain as pay-as-you-go.

Note：

- During the change from pay-as-you-go billing to serverless billing, the database can be accessed normally but will experience a momentary interruption when the billing mode is changed. Therefore, we recommend you configure an automatic reconnection feature for your application.
- The change from pay-as-you-go billing to serverless billing is irreversible.

Directions

1. Log in to the console, select the target instance in the instance list, and click **More** > **Pay-as-You-Go to Serverless** in the **Operation** column.



2. In the pop-up window, set the minimum CCU, the maximum CCU, and the auto-pause time for the target serverless database, check the box to agree to the rules of the pay-as-you-go to serverless billing mode change, and click **OK**.