TencentDB for TcaplusDB

Purchase Guide

Product Documentation

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Billing Mode

TencentDB for TcaplusDB supports the following two billing modes:

Instance Type	Billing Mode	Use Case
Standard Cluster Edition	Pay-as-You-Go	This billing mode is suitable for testing, auditing, and development environment. You will be charged according to the daily peak traffic. If no request is made to access the database, you only pay the fees of the minimum reserved resources.
Self-deployed Cluster Edition	Pay-as-You-Go	This billing mode is suitable for the production environment. You will be daily charged according to the quantity of access layers and storage layers. You can reduce costs by auto scaling. For example, you can expand cluster capacity before campaigns based on the estimated business peaks, and reduce cluster capacity after campaigns.

Settlement Cycle

Fees incurred on the current day are billed the next day.

Billing Rules for Standard Cluster Edition

The Standard Cluster Edition adopts the pay-as-you-go billing mode. Daily fees are calculated based on the peak database read/write requests and the peak disk capacity used on a day.

Daily fees = Fees of the peak disk capacity used on a day + Fees of the peak RCUs on a day + Fees of the peak WCUs on a day

Concepts
-**Capacity**: the names of both primary key column and attribute column are counted into the size of each data row.

- **Read CU**: one 4 KB single-row read operation per second is counted as one reserved read capacity unit (RCU).
- **Write CU**: one 4 KB single-row write operation per second is counted as one reserved write capacity unit (WCU).
- **CU calculation rule**: a CU is counted separately at the end of each request and response process. CUs are accumulated and calculated based on the request or response (whichever is greater). Data smaller than 4 KB is rounded up to the nearest 4 KB, and data larger than 4 KB is calculated in multiples of 4 KB. For example, if a 9 KB response is returned for a 1 KB request within one second, because the size of the response is larger than that of the request, the number of CUs will be calculated based on the value of the response. 9 KB is about two 4 KB sets, and the remaining 1 KB is counted as 4 KB, so the total number of CUs will be 2 + 1 = 3.
- **CU statistics rule**: the daily fees are calculated based on the daily access peak to the database. If the database reads reach the highest value at 12:00:00 on a day, the RCUs at this moment will be used to calculate the fees of this day. Similarly, if the database writes reach the highest value at 15:01:00 on a day, the WCUs at this moment will be used to calculate the fees of this day.

Pricing

Region	Capacity (USD/GB/day)	RCU (USD/CU/day)	WCU (USD/CU/day)
Chinese mainland	0.0052	0.0019	0.0048
Silicon Valley (Western US)	0.006289	0.002	0.0055
Virginia (Eastern US)	0.006289	0.002	0.0055
Frankfurt (German)	0.006	0.0022	0.0057
Singapore	0.0061	0.0025	0.0061
Hong Kong (China)	0.0055	0.0019	0.0055
Japan	0.0055	0.0019	0.0055
Seoul	0.006289	0.002546	0.00599

Note :

- Fees are incurred once a cluster is created. The minimum daily consumption of a cluster is 1 GB of disk capacity, 80 RCUs, and 26 WCUs. Even if no tables are created, fees are incurred.

- At least 1 GB of disk capacity is reserved for a standard cluster.
    - At least 80 RCUs are reserved for a standard cluster.
    - At least 26 WCUs are reserved for a standard cluster.
- The Standard Cluster Edition supports up to 100,000 QPS. Requests beyond this range will be limited. If your business needs more than 100,000 QPS, we recommend that you use the Self-deployed Cluster Edition which provides higher and more stable performance.

Billing sample

Assume that you create a cluster in the Shanghai region. On a day, the peak read requests are 80 per second, the peak write requests are 26 per second, and the peak of used disk capacity is 0.5 GB. The daily fees are calculated as follows:

Capacity (GB)	Read Requests (RCU)	Write Requests (WCU)	Fees
1	80	26	1 GB × 0.0052 USD/GB/day + 80 RCUs × 0.0019 USD/RCU/day + 26 WCUs × 0.0048 USD/WCU/day = 0.282 USD/day

Assume that with the business promotion, applications interact more with the cluster, resulting in higher read/write accesses per second. If the daily peak reads reach 1,000 RCU/s, the daily peak writes 300 WCU/s, and the daily peak data size 1.5 GB, then the daily fees are calculated as follows:

Capacity (GB)	Read Requests (RCU)	Write Requests (WCU)	Fees
1.5	1,000	300	1.5 GB × 0.0052 USD/GB/day + 1,000 RCUs × 0.0019 USD/RCU/day + 300 WCUs × 0.0048 USD/WCU/day = 3.3478 USD

Billing Rules for Self-deployed Cluster Edition

The Self-deployed Cluster Edition adopts the pay-as-you-go billing mode. Daily fees are calculated based on the actually used resources at the storage layers and access layers on a day.

Daily fees = Daily unit price of access layer × Access layer quantity + Daily unit price of storage layer (which varies with instance type) × Storage layer quantity

Pricing

Region	Access Layer (USD/layer/day)	One-Primary-One-Secondary T1 Standard Instance at Storage Layer (USD/instance/day)
Chinese mainland	0.51	65.22
Virginia (Eastern US)	1.52	220.58
Silicon Valley (Western US)	1.57	224.49
Frankfurt (German)	1.57	224.49
Singapore	1.89	224.49
Hong Kong (China)	1.89	226.38
Japan	1.76	226.38
Seoul	1.76	222.03

Billing sample

Assume that you create a self-deployed cluster in the Shanghai region. The cluster has four access layers and two storage layers (i.e., two one-primary-one-secondary T1 standard instances). The daily fees are calculated as follows:

Daily access layer fees = 0.5 × 4 = 2 USD/day
Daily storage layer fees = 64.28471429 × 2 = 128.56942858 USD/day

Total daily fees = 2 + 128.56942858 = 130.56942858 USD/day

Payment Overdue

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Pay-as-You-Go TencentDB Instance

> Note :
> After you stop using pay-as-you-go resources, **terminate them as soon as possible** to avoid further fee incursion.
> Since your actual resource consumption changes constantly, 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 which are configured in message subscription in the [Message Center](#).

Arrears policy

1. **From the moment your account balance becomes negative:**

   - You can continue to use your TencentDB instance for 24 hours from the moment your account balance becomes negative. We will continue to bill you for this period.
   - When your account has been in arrears for 24 hours, **your TencentDB instance will be automatically isolated**, and billing will stop.

2. **After automatic isolation:**

   - Within 3 days after automatic isolation, if your account is not topped up to a positive balance, you will not be able to remove your TencentDB instance from isolation; if your balance is positive, the billing continues, and you can remove your instance from isolation.
   - If the balance remains negative for 3 days after isolation, the TencentDB instance will be repossessed. All data will be erased and cannot be recovered. Tencent Cloud account creator, global resource collaborators, and financial collaborators will be notified via email, SMS, etc.