

# **Elastic MapReduce**

## **Purchase Guide**

### **Product Documentation**



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# Purchase Guide

## EMR on CVM Billing Instructions

### Billing Overview

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## Billing Mode

EMR clusters support two billing modes: monthly subscription and pay-as-you-go. The cluster fees are the sum of fees for all nodes in the cluster and other involved cloud products. Elastic nodes (Task nodes) support the spot instance mode.

Nodes in monthly subscription clusters support the monthly subscription, pay-as-you-go, and spot instance mode.

Nodes in pay-as-you-go clusters support the pay-as-you-go and spot instance modes.

The table below shows the differences among the three billing modes:

Billing Mode	Monthly Subscription	Pay-As-You-Go	Spot Instance
Payment method	Prepaid	Postpaid; amount freezing upon purchase, billed hourly	Postpaid; amount freezing upon purchase, billed hourly
Billing unit	USD/month	USD/second	USD/second
Unit price	Relatively lower	Relatively higher	The price fluctuates. In most cases, the price is about 10-20% of the price of a pay-as-you-go instance with the same specifications.
Minimum use time	At least one month (calendar month)	Charged by second and billed by hour. Purchase and release at any time.	Charged by second and billed by hour. Purchase and release at any time. May be repossessed by the system.
Configuration change	Upgrade configuration at any time. No limit for each node (CPU and memory only).	No limit. Change (node CPU and memory only) at any time.	Not supported

Use case	Suitable for long-term clusters with stable needs for compute resources.	Suitable for a cluster to exist for a short period or periodically.	Suitable for a cluster using elastic compute resources to get more computing power.
Billing mode change	Not supported	Not supported	Not supported

**The pay-as-you-go mode offers 3-tiered pricing, except for model S5 and new models launched after November 2019. A longer usage period means a bigger discount.**

Tier 1:  $0 < T1 \leq 96$

Tier 2:  $96 < T2 \leq 360$

Tier 3:  $T3 > 360$

For more information, see [Billing Overview](#).

You can view node specifications and pricing and estimate your resource costs on the [Pricing | Elastic MapReduce](#) page.

EMR bills only show the costs of nodes, namely, the costs of CPU, memory, system disk, and local data disk. The bills of associated cloud products are available in their respective consoles. For EMR bill details, see [Viewing Bills](#) or [Cost Allocation by Tag](#).

### Caution

**Select the shutdown mode with caution when shutting down a pay-as-you-go EMR cluster node in the CVM console, because EMR nodes do not support the "no charges when shut down" mode.**

**The prices of a model given on the [Pricing | Elastic MapReduce](#) page cover only the configuration of its CPU, memory, and local data disk**, excluding the costs of images, cloud system disks, cloud data disks, and associated cloud products.

For the pricing of different types of disks, see [Price Overview](#). For charges of associated cloud products, see "Billable Items > Charges of associated cloud products" below.

The prices are subject to changes as appropriate. Please visit our official website for the latest prices.

## Billable Items

The cost of a cluster is the sum of the costs of all nodes in the cluster and of associated cloud products. Cloud products such as Elastic IP, CDB, CBS, CHDFS, COS, and Virtual Private Cloud (VPC) may be used when you use EMR. You will be charged for such products in their respective billing mode. For details, see their respective billing document.

Cost Category	Billable Item	Resource Use in EMR	Billing Description	Pricing
Costs of	Node cost	You can select the model specifications as	The EMR	<a href="#">Pricing of</a>

EMR nodes		needed. The nodes are subject to separate pricing by EMR. The price of a node covers its resources such as CPU, memory, system disk, and local data disk. Three billing modes are available: pay-as-you-go ,monthly subscription and spot instance.	cost is only the costs of all nodes.	<a href="#">Elastic MapReduce</a>
Costs of associated cloud products	Elastic IP (EIP)	Public network access is enabled for the Master.1 node in a cluster by default so that you can access the WebUI pages of various Hadoop components from outside the cluster. Traffic fees are incurred for data interactions when you visit these pages, but a little traffic is generated in most cases. Therefore, the bill-by-traffic mode is used by default, which costs less than the bill-by-bandwidth mode.	<a href="#">Elastic IP Billing</a>	<a href="#">Elastic IP Billing</a>
	TencentDB for MySQL (CDB)	If you plan to deploy one or more components among Hive (local), Hue, Ranger, Oozie, Druid, and Superset in an EMR cluster, you need to purchase a CDB instance for storing metadata.	<a href="#">TencentDB for MySQL Billing Overview</a>	<a href="#">TencentDB for MySQL Pricing</a>
	Cloud Block Storage (CBS)	If you plan to deploy cloud disks as the data disks in a node, you need to purchase at least one cloud disk. The cost of the cloud disk will be paid together with the EMR node purchased, with the corresponding CBS order generated. The cloud disk will be subject to the same billing mode as the node.	<a href="#">CBS Billing Overview</a>	<a href="#">CBS Price Overview</a>
	Cloud Object Storage (COS)	If you use COS to separate the compute and storage resources of a cluster, you will be charged for data storage and requests when the cluster requests to pull data stored in COS for computing. Meanwhile, result data storage, backup, or other operations in the computing will also generate new data in COS.	<a href="#">COS Billing Overview</a>	<a href="#">COS Pricing</a>
	Cloud HDFS (CHDFS)	If you use CHDFS to separate the compute and storage resources of a cluster, you will be charged for data storage and requests when the cluster requests to pull data stored in CHDFS for computing. Meanwhile, result data storage, backup, or other operations in the computing will also generate new data in CHDFS.	<a href="#">CHDFS Purchase Guide</a>	<a href="#">CHDFS Purchase Guide</a>



# Purchase Instructions

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## Monthly Subscription

Fees are paid for one month, multiple months, or even years in advance, and real-name authentication is required for the account. This mode applies to long-term clusters with stable needs for compute resources. The fees are charged by calendar month and are lower compared with the pay-as-you-go mode.

Calendar month:

Cycle for February 2016: 00:00:00 February 1 - 23:59:59 February 29.

Cycle for May 2017: 00:00:00 May 1 - 23:59:59 May 31.

Before you create a cluster, you can check the available balance of your account. If the balance is insufficient for deduction, top up first before purchase.

For payment overdue caused by insufficient account balance, see [Payment Overdue](#).

For instance termination and refund in monthly subscription mode, see [Refund Instructions](#).

For renewal in monthly subscription mode, see [Cluster Renewal](#).

For the use and restrictions of Tencent Cloud vouchers, see [Promo Vouchers](#).

If your account balance is sufficient and have enabled automatic renewal, the fees for the next billing cycle (including fees for nodes and other involved cloud products) will be automatically deducted on the expiration date, and the next cycle will start automatically.

## Pay-As-You-Go

You are charged by usage duration of a cluster. This billing mode requires identity verification and will freeze an amount of 2-hour usage fee when the cluster is purchased (vouchers cannot be used here). After this cluster is terminated, the frozen amount will be refunded. Before creating a cluster, check your Tencent Cloud account balance. If your balance is less than the service cost, top up your account first.

When you purchase an EMR cluster, the price will be listed as an hourly fee. However, you will be billed by the actual seconds of usage and the charge will be rounded to two decimal places. Billing starts from the second the cluster is created and stops the second the cluster is terminated.

When you purchase a pay-as-you-go cluster, the fee for 2-hour usage under the current configuration will be frozen in your account balance as a deposit. You will then be billed by the hour for your usage over the past hour. When you change the node configuration, the frozen amount will be unfrozen and a new 2-hour deposit will be frozen based on the unit price of the new configuration. Your deposit will be released back to your account when the cluster is terminated.



For information about what you can do when your account balance is insufficient, see [Payment Overdue](#).

For information about the use and limits of Tencent Cloud vouchers, see [Promo Vouchers](#).

## Spot Instance

Similar to pay-as-you-go instances, spot instances are charged by second and billed by hour. The prices of spot instances fluctuate according to market demand, which provide you with a substantial discount (about 80-90% off the prices of pay-as-you-go instances with the same specifications). However, spot instances may be repossessed automatically by the system as a result of inventory shortages or higher bids from other users.

For more information about spot instance policies, use cases, and limitations, see [Spot Instance](#).

### Note:

Spot instances only support auto scaling to replace compute nodes. The system may repossess spot instances due to higher bids from other users. Therefore, please use them with caution.

## Billing Example

### Monthly Subscription

Suppose you have created a Hadoop cluster in Guangzhou Zone 7. It is a high-availability cluster of the EMR-V3.5.0 version, with the application scenario of "default scenario". The deployed services include hdfs-3.2.2, yarn-3.2.2, zookeeper-3.6.3, openLDAP-2.4.44, Knox-1.6.1, and hive-3.1.3 (default storage method selected for the Hive metadata). The purchase duration is 1 month, and the applied discount is 15% off for EMR, 5% off for CBS, and 10% off for TencentDB for MySQL (CDB).

### Note :

The above discounts are for reference only. The specific discounts are subject to the actual situation.

EMR cluster fees are as follows:

Node Type	Model and Specification	System Disk	Data Disk	Model and Specification Fees	System Disk Fees	Data Disk Fees	Number of Nodes
master	Standard SA2: 4 cores and 16 GB	Cloud SSD 50 GB × 1	Cloud SSD 200 GB × 1	397.44	1 × 50 GB × 1	1 × 200 GB × 1	2
core	Standard SA2: 4 cores and 8 GB	Cloud SSD 50 GB × 1	Cloud SSD 200 GB × 1	264.96	1 × 50 GB × 1	1 × 200 GB × 1	3

common	Standard SA2: 2 cores and 4 GB	Cloud SSD 50 GB × 1	Cloud SSD 200 GB × 1	132.48	1 × 50 GB × 1	1 × 200 GB × 1	3
MetaDB	High I/O TencentDB 4,000 MB of memory / 100 GB of hard disk size / 1 node					USD 480/node	1

Master node fees = ((model and specifications fees + system disk fees) × discount + data disk fees × discount) × the number of nodes = ((397.44 + 50) × 0.85 + 200 × 1 × 0.95) × 2 = 1,140.648 (USD/month)

Core node fees = ((model and specifications fees + system disk fees) × discount + data disk fees × discount) × the number of nodes = ((264.96 + 50) × 0.85 + 200 × 1 × 0.95) × 3 = 1,373.148 (USD/month)

Common node fees = ((model and specifications fees + system disk fees) × discount + data disk fees × discount) × the number of nodes = ((132.48 + 50) × 0.85 + 200 × 1 × 0.95) × 3 = 1,035.324 (USD/month)

MetaDB node fees = MetaDB list price × discount = 480 × 0.9 = 432 (USD/month)

Total fees = master node fees + core node fees + common node fees + MetaDB node fees = 1,140.648 + 1,373.148 + 1,035.324 + 432 = 3,981.12 (USD/month)

#### Note :

The fees in this example are for reference only. For the actual fees, see the purchase page.

For model and specifications pricing, see [Billing Overview](#). For cloud disk pricing, see the [Price Overview](#) of cloud disk. For MetaDB pricing, see the [Billing Overview](#) of TencentDB for MySQL.

The above example only involves CBS and CDB.

EMR bills involve only CPU, memory, system disk, and local data disk. For bills of other involved products, go to the Tencent Cloud console.. For EMR bills, see [Viewing Bills](#) or [Cost Allocation by Tag](#).

Master and common nodes do not support deployment with local disks.

## Pay-as-you-go

Suppose you have created a Hadoop cluster in Guangzhou Zone 7. It is a high availability cluster of the EMR-V3.5.0 version, with the application scenario of "default scenario". The deployed services include hdfs-3.2.2, yarn-3.2.2, zookeeper-3.6.3, openLDAP-2.4.44, knox-1.6.1, and hive-3.1.3 (default storage method selected for the Hive metadata). The billing mode is pay-as-you-go, and the applied discount is 15% off for EMR, 5% off for CBS, and 10% off for TencentDB for MySQL (CDB).

#### Note:

The above discounts are for reference only. The specific discounts subject to the actual situation.

EMR cluster fees are shown below:

Node Type	Model Specification	System Disk	Data Disk	Model Specification Fee	System Disk Fee	Data Disk Fee	Number of Nodes

Master	Standard SA2: 4-core CPU, 16 GB memory	SSD 50 GB × 1	SSD 200 GB × 1	0.77	0.0025 × 50 GB × 1	0.0025 × 200 GB × 1	2
Core	Standard SA2: 4-core CPU, 8 GB memory	SSD 50 GB × 1	SSD 200 GB × 1	0.52	0.0025 × 50 GB × 1	0.0025 × 200 GB × 1	3
Common	Standard SA2: 2-core CPU, 4 GB memory	SSD 50 GB × 1	SSD 200 GB × 1	0.26	0.0025 × 50 GB × 1	0.0025 × 200 GB × 1	3
MetaDB	High I/O TencentDB 4,000 MB of memory / 100 GB of disk size / 1 node					USD 1.28/node	1

Master node fee =  $((0.77 + 0.125) \times 0.85 + 200 \times 0.0025 \times 0.95) \times 2 = 2.4715$  (USD/hour)

Core node fee =  $((0.52 + 0.125) \times 0.85 + 200 \times 0.0025 \times 0.95) \times 3 = 3.06975$  (USD/hour)

Common node fee =  $((0.26 + 0.125) \times 0.85 + 200 \times 0.0025 \times 0.95) \times 3 = 2.40675$  (USD/hour)

MetaDB node fee =  $1.28 \times 0.9 = 1.152$  (USD/hour)

Total fee =  $2.4715 + 3.06975 + 2.40675 + 1.152 = 9.1$  (USD/hour)

#### Note:

The prices provided in this example are for reference only. Refer to the purchase page for actual fees.

For information about model specifications and pricing, see [Pricing | Elastic MapReduce](#).

The above example only involves the following associated products: CBS and CDB.

EMR bills only show the costs of nodes, namely, the costs of CPU, memory, system disk, and local data disk. **The bills of associated cloud products are available in their respective consoles.** For EMR bill details, see [Viewing Bills](#) or [Cost Allocation by Tag](#).

## Purchase

### Evaluating your business

Before purchasing a cluster, you need to evaluate your business according to the actual situation to ensure that the created cluster meets your actual needs. For more information, see [Business Evaluation](#).

### Purchasing EMR clusters

Before using EMR services, you need to register a Tencent Cloud account and go to the [EMR purchase page](#) to purchase an EMR cluster. For more information, see [Creating Cluster](#).

# Payment Overdue

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## Note:

If you are a customer of a Tencent Cloud partner, the rules regarding resources when there are overdue payments are subject to the agreement between you and the partner.

## Pay-As-You-Go

### Overdue payment alerts

Type	Description
<b>Overdue payment reminder</b>	Pay-as-you-go clusters are billed on the hour. When your account balance becomes negative, your Tencent Cloud account creator, global resource collaborators, and financial collaborators will be notified by email and SMS.
<b>Balance alert</b>	This feature is disabled by default. To enable it, see "Balance Notifications".

### Overdue policy

When your account balance falls below zero, a pay-as-you-go cluster can be used for 2 more hours, and the usage will still be deducted from your account. After 2 hours, the cluster will be moved to the recycle bin and become unavailable, and will no longer incur pay-as-you-go costs.

Time After Service Suspension	Description
≤ 15 days	If your account is topped up to a positive balance, the charging will continue, and the cluster will be automatically recovered.
	If your account balance remains negative, the cluster cannot be recovered.
> 15 days	If your account is not topped up to a positive balance, your pay-as-you-go cluster resources will be repossessed and released. All data will be cleared and cannot be recovered. When your cluster resources are repossessed, your Tencent Cloud account creator and all collaborators will be notified by email and SMS.

## Note:

If a pay-as-you-go cluster is no longer needed, terminate it as soon as possible to avoid incurring further costs.

After a cluster is terminated, the data in it will be cleared and cannot be recovered.

Because your resource usage changes constantly, the balance alerts may not be precisely accurate.

You will continue to be charged for associated cloud products such as EIP and CBS during cluster isolation due to overdue payments until your account balance becomes negative.

## Overdue Payments of Associated Cloud Products

Product	Description
EIP	Elastic IP Payment Overdue
TencentDB for MySQL (CDB)	<a href="#">Payment Overdue</a>
CBS	<a href="#">Payment Overdue</a>
COS	<a href="#">Payment Overdue</a>
CHDFS	<a href="#">Payment Overdue</a>
VPC	<a href="#">Overdue Payment Alert</a> <a href="#">Payment Overdue</a>

# Refund Instructions

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## Self-Service Return Instructions

After the self-service return of a monthly subscribed EMR cluster, the cluster will be suspended, and the instances within the cluster will change to the terminating or terminated status. The cluster instances will then enter the recycling isolation phase, and once they are in recycling isolation, no further fees related to the cluster will be incurred.

EMR clusters do not support termination before the expiration of underwriting billing nodes; only self-service returns for EMR clusters after node expiration are supported. After the return, the cluster will be suspended, and the instances within the cluster will change to terminating or terminated status. The cluster instances will then enter recycling isolation, and once they are in recycling isolation, no further fees related to the cluster will be incurred.

After isolation, the cluster will be retained in the recycle bin for 7 days and will be inaccessible.

If you need to restore a returned monthly subscription cluster, you can renew it in the cluster list in the [EMR Console](#).

In case of suspected abnormal or malicious returns, Tencent Cloud reserves the right to reject your return request.

### Note

When a shutdown operation is performed for pay-as-you-go nodes of an EMR cluster in the CVM console, carefully choose the shutdown mode, as EMR nodes do not support the no-fee shutdown mode.

## Self-Service Refund Rules

Refund = currently effective order amount + ineffective order amount - used resource value

Parameter	Description
Current effective order amount	Payment amount for the current effective order, excluding discounts and vouchers.
Ineffective order amount	Payment amount for upcoming valid orders, excluding vouchers.
Used resource value	Calculated based on the following policy: For cluster fees already used, if the refund is initiated on a day that completes a full month, the fee will be deducted for the entire month. If it is less than a full month, it will be deducted on a pay-as-you-go basis. The used portion is calculated precisely to the second. If the refund amount is $\leq 0$ , it will be calculated as 0, and the resources will be reclaimed.

**Note**

Discounts or vouchers are non-refundable.

The return amount will be refunded to your account based on the proportion of cash and free credits used for the purchase.

## Refund Policy for Associated Cloud Products

Associated Products	Refund Policy
TencentDB for MySQL (CDB)	<a href="#">TencentDB for MySQL (CDB) Refund Explanation</a>
Cloud Block Storage (CBS)	<a href="#">CBS CBS Refund Explanation</a>
Cloud Object Storage (COS)	<a href="#">COS COS Refund Explanation</a>
Cloud HDFS (CHDFS)	<a href="#">CHDFS (CHDFS) Refund Explanation</a>



# Conversion from Pay-as-You-Go to Monthly Subscription

Last updated : 2025-06-10 16:17:29

## Feature Overview

Elastic MapReduce (EMR) supports converting clusters from the pay-as-you-go billing mode to the monthly subscription billing mode, or converting nodes from the pay-as-you-go billing mode to the monthly subscription billing mode within hybrid billing clusters.

## Conversion Rule

1. Support converting pay-as-you-go clusters to the monthly subscription clusters and supports converting pay-as-you-go nodes to monthly subscription nodes within hybrid billing clusters.
2. After converting from pay-as-you-go billing mode to the monthly subscription billing mode, conversion back to the pay-as-you-go billing mode is no longer supported. Operate with caution.
3. When converting a pay-as-you-go cluster to the monthly subscription billing mode, you should ensure the minimum number of nodes to be converted in the cluster mode (HA and non-HA modes). For details on the minimum number of nodes in each cluster, see the [Node Type Description](#).
4. The current cluster includes MetaDB. If you need to convert the cluster to the monthly subscription billing mode, go to the [TencentDB console](#) first and convert the MetaDB instance to the monthly subscription billing mode.
5. Converting from the pay-as-you-go billing mode to the monthly subscription billing mode will generate a renewal order. You should complete the payment process for this order so that the conversion can take effect.
6. After the billing mode conversion and payment are successful, the cluster instance and nodes will be charged on a monthly subscription immediately. The start time of the new monthly subscription instance is the time of the successful conversion.
7. Repeated billing mode conversion operations cannot be performed on the instance until the payment is completed successfully.
8. When converting from pay-as-you-go billing mode to the monthly subscription billing mode, the billing mode for all disks (both the data disk and the system disk) will also be converted to the monthly subscription billing mode simultaneously.

## Use Limits

1. The added Task nodes in auto-scaling do not support conversion to the monthly subscription billing mode.
2. Conversion is not supported when the remaining monthly subscription quota in the availability zone is less than the number of pay-as-you-go instances to be converted.
3. Only HOST nodes support conversion. Pod nodes do not support conversion.

## Directions

### Conversion from Pay-as-You-Go Billing Mode Clusters to Monthly Subscription Billing Mode Clusters

1. In the [Cluster List](#), for pay-as-you-go clusters, go to **Management > More > Convert from pay-as-you-go to monthly subscription**. All nodes are selected by default to convert to the monthly subscription billing mode. Task nodes and Router nodes can be deselected to remain in the pay-as-you-go billing mode.
2. All nodes except the auto scaled-out Task nodes are selected by default for conversion to the monthly subscription billing. Task nodes and Router nodes can be deselected to remain in the pay-as-you-go billing mode.

#### Note :

If the current cluster contains MetaDB and needs to be converted to the monthly subscription billing mode, go to [TencentDB console](#) first and convert the MetaDB instance to the monthly subscription billing mode.

After successful conversion, the cluster type in the cluster list will be changed to "Monthly Subscription", and the billing mode in the instance information will be changed to "Monthly Subscription". In the corresponding node list in resource management, the node billing type will be changed to "Monthly Subscription", and the expiration time and the auto-renewal status will be displayed correctly.

### Conversion from Pay-as-You-Go Nodes in a Hybrid Billing Mode (Monthly Subscription) Cluster to Monthly Subscription Nodes

On the cluster details page, select **Cluster Resources > Resource Management > More Operations > Convert from pay-as-you-go to monthly subscription** to perform single-node conversion and node conversion in batches. Node conversion in batches: On the resource management page, select multiple nodes of pay-as-you-go billing mode and of HOST resource type, which are not auto scaled-out Task nodes or Router nodes.

Single-node conversion: On the resource management page, select a node of pay-as-you-go billing mode and of HOST resource type, which is not an auto scaled-out Task node or Router node.

#### Note :

If you select a node of monthly subscription billing mode and of pod resource type, which is an auto scaled-out node, the **Convert from pay-as-you-go to monthly subscription** button becomes unclickable.

# Cluster Renewal

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## Feature Introduction

Elastic MapReduce (EMR) clusters support the renewal feature, which ensures that monthly subscribed clusters do not become unavailable (isolated) due to payment issues. This document describes how to manually renew, enable auto-renewal, and cancel auto-renewal for monthly subscribed cluster nodes through the [EMR console](#).

After auto-renewal is enabled, the system will automatically renew resources before they expire. No manual action is required, and you do not have to worry about resources and data being deleted due to untimely renewal.

If the auto-renewal feature is not enabled, you can manually renew through the EMR console. Manual renewal supports a minimum renewal period of 1 month.

## Renewal Rules

1. The renewal feature only supports monthly subscribed nodes. Pay-as-you-go nodes do not require renewal operations. Ensure your account balance is sufficient to guarantee normal renewals.
2. The monthly subscribed nodes to be renewed must be in normal operation status.
3. After you enable auto-renewal, resources will be renewed automatically every month on the expiration day. You need to ensure that your account balance is sufficient to prepay the fees for at least 1 month.
4. If there are available vouchers at the time of renewal, the system will automatically use them. For details, refer to the [Voucher](#) documentation.
5. If you manually renew before the deduction time, the system will automatically renew based on the latest expiration time.

## Manual Renewal

1. Log in to the [EMR console](#), and click the corresponding **Cluster ID/Name** in the cluster list to go to the cluster details page.
2. On the cluster details page, select **Cluster Resources > Resources**, select the corresponding resources, and click **Renew** or **Pending Renewal** to filter out the resources that need renewal to proceed with the renewal operation.
3. The default renewal duration is 1 month, which can be adjusted as needed.

## Auto-renewal

## Setting Auto-renewal in the EMR Console

When purchasing clusters and scaling out nodes in the EMR console, you can enable auto-renewal for monthly subscribed resources. If auto-renewal was not enabled for monthly subscribed resources during cluster purchase or node scale-out, you can follow these steps to set up auto-renewal later:

1. Log in to the [EMR console](#), and click the corresponding **Cluster ID/Name** in the cluster list to go to the cluster details page.
2. On the cluster details page, select Cluster Resources to enter the Resources page. You can select nodes individually or in batches for settings.

When setting auto-renewal for a single node, an additional Set renewal option will appear in the More drop-down list of the operation column of the resource list.

When setting auto-renewal for nodes in batches, you can select Set renewal from the More drop-down list at the top. Node auto-renewal: Select Enable.

3. To disable auto-renewal, follow the same operations as above.

## Setting Auto-renewal for EMR Resources in the Billing Center

1. Log in to the [EMR console](#), and click the corresponding **Cluster ID/Name** in the cluster list to go to the cluster details page.
2. On the cluster details page, select Cluster Resources to enter the Resources page, copy the corresponding resource ID, and go to [Billing Center](#) to set up auto-renewal.
3. In the **Renewal Management > Manual Renewal** section of the Billing Center console, **find the resource that needs auto-renewal** and set it to Auto-renewal.
4. After refreshing the EMR Console, you will see the word "Renew" next to the corresponding resource ID in **Resources**, indicating that auto-renewal has been enabled.

# Viewing Bills

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To view the bills and deduction details for the use of Tencent Cloud Elastic MapReduce (EMR), log in to the Tencent Cloud console and go to **Billing Center > Bills > Bill Details**.

1. Filter bills in the **Bill by Instance** tab. Click *\*All products* and select **Elastic MapReduce** to view the bills for EMR. You can further filter by subproduct, project, region, availability zone, billing mode, and transaction type.

The screenshot shows the 'Billing Center' sidebar on the left with 'Bills' expanded and 'Bill Details' selected. The main panel is titled 'Bill Details' for the month of 2023-07. It includes a 'Bill by Instance' tab and a 'Bill Details' sub-tab. A blue information banner states: 'The current month's final bill for resource consumption will be generated on the 3rd day of the upcoming month. Prior to this date, deductions are not final and are for reference purposes only. Expense figures in Bill Details are accurate up to 8 decimal places. Expense figures in Bill by Instance are rounded off to 2 decimal places. Actual deduction amount will be in 2 decimal places. For more details, see User Guide of Current Bills.' Below this, there are filter dropdowns for 'Elastic MapReduce', 'All Subproducts', 'All Projects', 'All Regions', 'All AZs', 'All Billing Modes', 'All transaction types', and 'All Tags'. A checkbox 'Do not display \$0 transactions' is also present. A summary bar shows: 'Total Cost (Including Tax) = Total Amount After Discount (Excluding Tax) - Voucher Deduction + Tax Amount'. A search box for 'Instance ID/Instance Name' is in the top right. The main table lists bill items with columns: Instance ID, Instance Name, Product Name, Subproduct Name, Billing Mode, Instance Type, Transaction Type, and Region. The table contains 10 rows of data for EMR instances in South China (Guangzhou) with 'Hourly settlement' transaction type.

Instance ID	Instance Name	Product Name	Subproduct Name	Billing Mode	Instance Type	Transaction Type	Region
emr-vm-hrmm178p	EMR-jhaoy7jm	Elastic MapReduce	emr-sa2	Pay-As-You-Go resources	-	Hourly settlement	South China (Guangzhou)
emr-vm-in2uk7z	EMR-jhaoy7jm	Elastic MapReduce	emr-sa2	Pay-As-You-Go resources	-	Hourly settlement	South China (Guangzhou)
emr-vm-ht3x4cx	EMR-jhaoy7jm	Elastic MapReduce	emr-sa2	Pay-As-You-Go resources	-	Hourly settlement	South China (Guangzhou)
emr-vm-o1r2mst	EMR-jhaoy7jm	Elastic MapReduce	emr-sa2	Pay-As-You-Go resources	-	Hourly settlement	South China (Guangzhou)
emr-vm-a0nj7kb	EMR-jhaoy7jm	Elastic MapReduce	emr-sa2	Pay-As-You-Go resources	-	Hourly settlement	South China (Guangzhou)
emr-vm-a0nj7kb	EMR-jhaoy7jm	Elastic MapReduce	emr-sa2	Pay-As-You-Go resources	-	Hourly settlement	South China (Guangzhou)
emr-vm-iw2uk7z	EMR-jhaoy7jm	Elastic MapReduce	emr-sa2	Pay-As-You-Go resources	-	Hourly settlement	South China (Guangzhou)
emr-vm-ht3x4cx	EMR-jhaoy7jm	Elastic MapReduce	emr-sa2	Pay-As-You-Go resources	-	Hourly settlement	South China (Guangzhou)
emr-vm-o1r2mst	EMR-jhaoy7jm	Elastic MapReduce	emr-sa2	Pay-As-You-Go resources	-	Hourly settlement	South China (Guangzhou)

2. You can enter the instance ID/name in the search box in the upper right corner to search for and view the bills for a certain instance.

3. To view the bills for a cluster based on the cluster instance ID, click the **Settings** icon



in the upper right corner of the list, select **Extended field 1** in the pop-up window, export the bill list, and search by extended field 1.

Extended field 1: represents cluster instance ID.

Other extended fields have no meaning for EMR.

Custom Field Settings

☒ Instance ID

☒ Instance Name

☒ Product Name

☐ Payer Account ID

☐ Owner Account ID

☐ Operator Account ID

☒ Subproduct Name

☒ Billing Mode

☒ Instance Type ?

☒ Transaction Type

☒ Region

☒ Availability Zone

☒ Tag Key: test02

☒ Tag Key: test01

☒ Tag Key: tag\_A

☒ Tag Key: test

☒ Project Name

☒ Transaction Time

☒ Usage Start Time

☒ Usage End Time

☒ Configuration Description

☒ Reserved Instances

☒ Original Cost

☒ RI Deduction (Cost) ?

☒ Savings Plan Deduction

☒ SP Deduction (Cost) ?

☒ Discount Multiplier

☒ Currency

☒ Total Amount After Discount (Excluding Tax)

☒ Voucher Deduction

☒ Amount Before Tax

☒ Tax Rate

☒ Tax Amount

☒ Total Cost (Including Tax)

☒ Additional Field 1

☒ Additional Field 2

☒ Additional Field 3

☐ Additional Field 4

☐ Additional Field 5

Save

Cancel

# Cost Allocation by Tag

Last updated : 2023-12-27 09:55:51

## Overview

Tencent Cloud implements custom management of your resource bills from the perspective of statistical analysis by leveraging its tag tool and cost allocation capabilities. This well meets your need for multidimensional management and analysis of bills and costs. If you want to allocate your costs from the perspective of an EMR cluster or a user of certain nodes in the cluster, you can use [Cost Allocation Tags](#).

**Cost allocation by cluster:** This feature allows you to view cluster bills by business department. When different departments use different EMR clusters, it is necessary to allocate costs by department. Cluster tags can be set for different departments for cost allocation and associated with other resources in the EMR cluster, such as EMR nodes, cloud disks, and metadata.

**Cost allocation by node:** This feature allows you to view node bills by business department. When multiple departments share the same EMR cluster, it is necessary to allocate costs by task node used by different departments. Node tags can be set for different departments for cost allocation and associated with other resources on the EMR node, such as CVM, system disks, and data disks.

## Preparations

You have set **Tag** to a cost allocation tag as described in [Cost Allocation Tags](#). After the cost allocation tag takes effect, it will be displayed in bills within 24 hours, subject to the data caching mechanism.

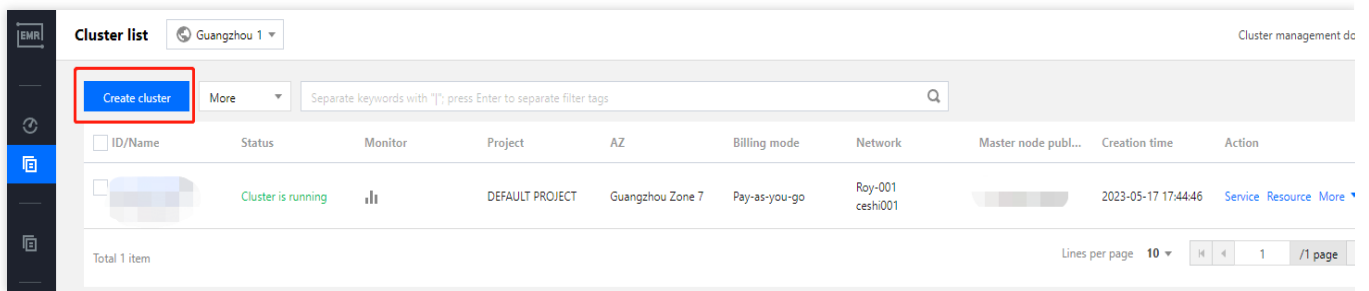
## Directions

### Cost allocation by cluster

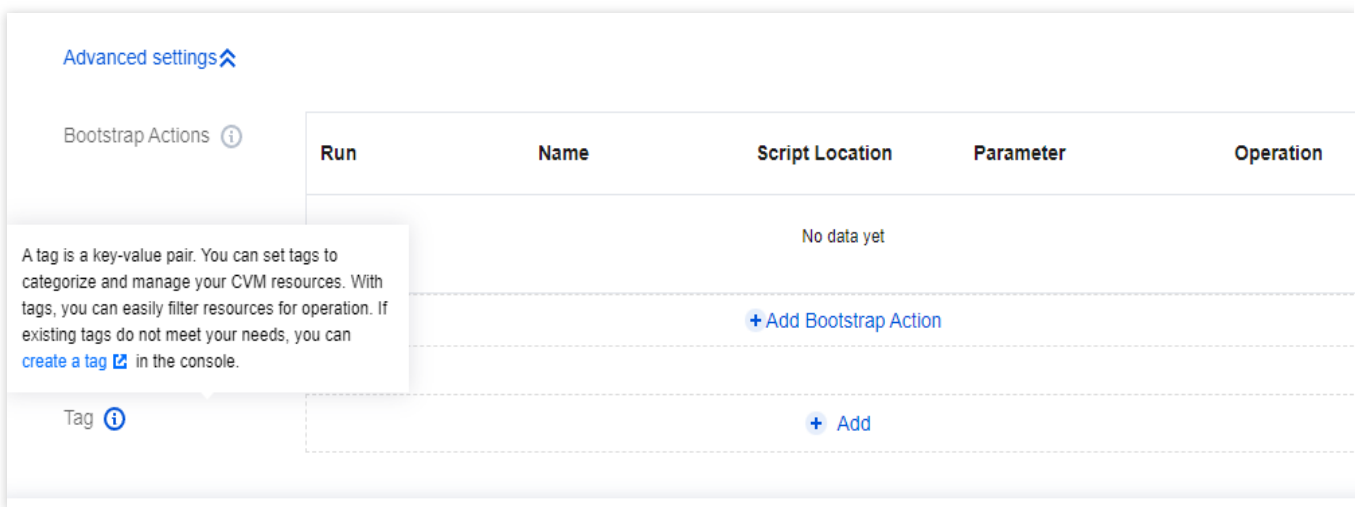
1. Configure a cost allocation tag.

Configure a cost allocation tag for a new cluster:

Create a cluster: Log in to the [EMR console](#) and select **Create cluster** on the **Cluster list** page as shown below:

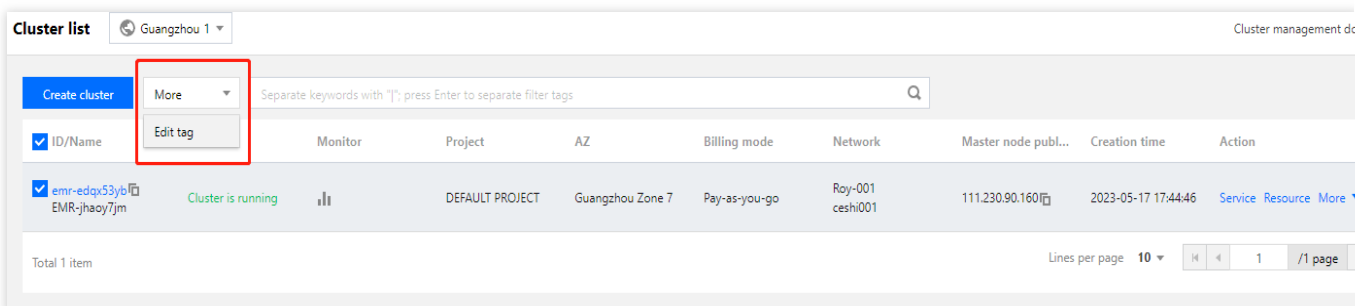


Select a cost allocation tag: In **Basic configuration** > **Advanced settings**, select the configured cost allocation tag as shown below:



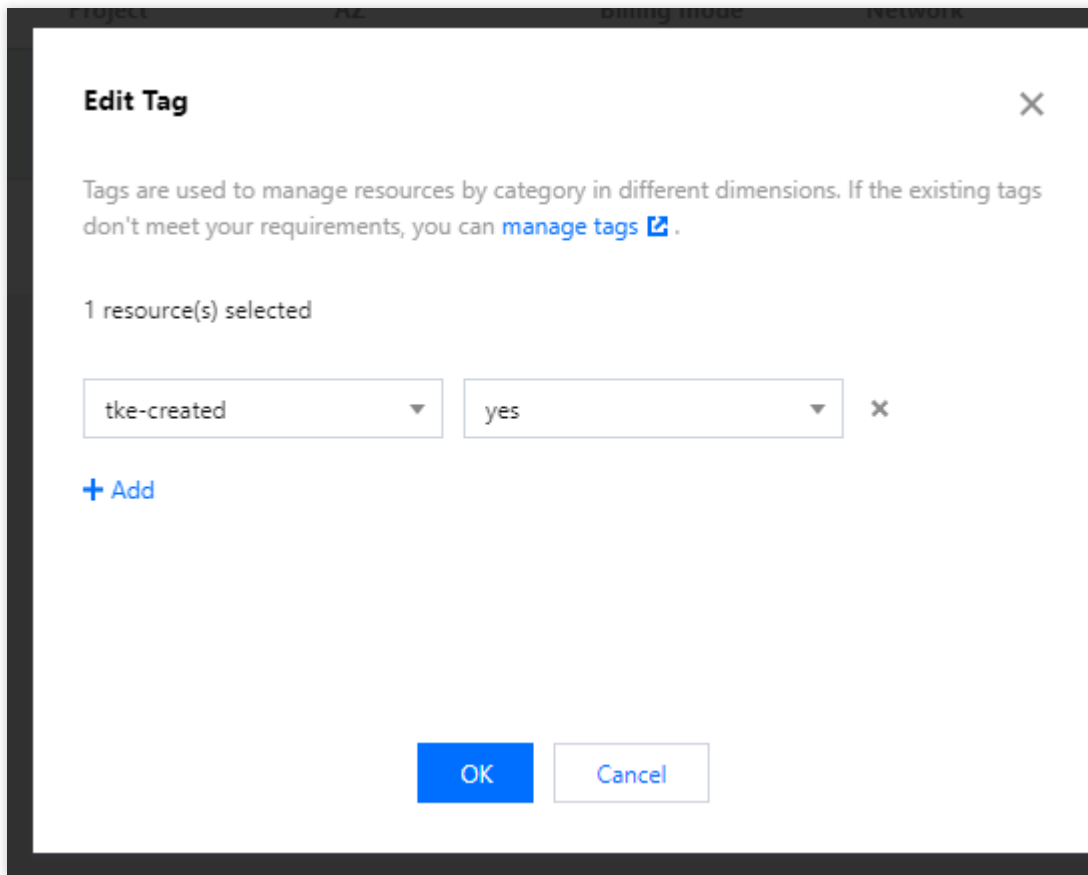
Configure a cost allocation tag for an existing cluster:

Add a cost allocation tag for a cluster: Log in to the [EMR console](#), select the target cluster on the **Cluster list** page, and click **More** > **Edit tag** at the top as shown below:



In the **Edit tag** pop-up window, add, modify, or delete tags as needed.



**Note:**

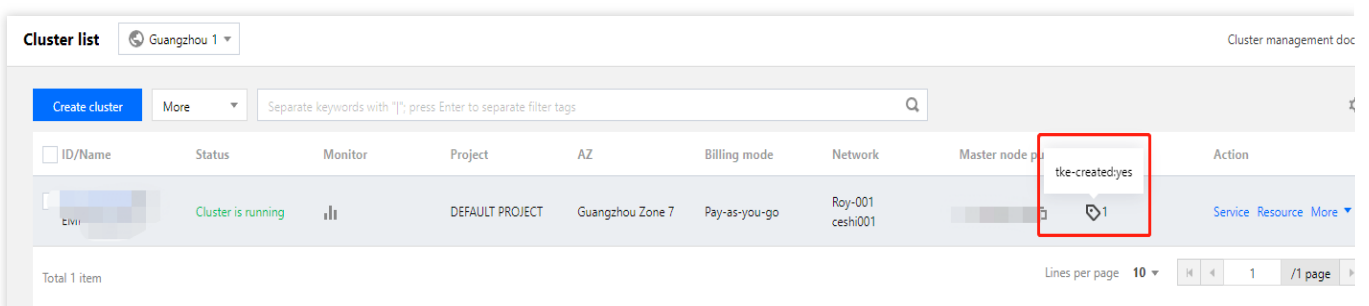
You can batch edit tags for up to 20 clusters at a time.

2. View the cluster's cost allocation tag.

Set the **Tag** field in the list: Click the **set** icon in the **Cluster list**.

Select the **Tag** field as shown below:

View the cluster's cost allocation tag as shown below:



3. View the node's cost allocation tag.

A cost allocation tag assigned to a cluster will be automatically inherited by CDB (such as TencentDB for MySQL), CBS (system disks and data disks), and CVM in the cluster.

Configure a cost allocation tag for a node: In the cluster list, click the **ID/Name** of the target cluster to enter the cluster details page. Then, select **Cluster resources > Resources**, and click the **Set** icon.

Select the **Tag** field.

View the node's cost allocation tag.

The screenshot shows the 'Resources' page in the Tencent Cloud EMR console. At the top, there is a blue information banner. Below it, there are tabs for 'All nodes', 'Master', 'Core', 'Common', 'Task', 'Router', 'Metadb', 'Recyle', and 'Renew'. There are also buttons for 'Scale out', 'Scale in', and a 'More' dropdown. A search bar is present with the placeholder text 'Separate keywords with "[ ]"; press Enter to separate filter tags'. The main table lists resources with columns: Resource ID, Node type, Resource..., IP, Configuration, Creation time, Expiration ti..., Tag, and Operation. The first row is highlighted, and a red box is drawn around the 'Tag' column, which contains the value 'tke-created:yes'. The second row is also highlighted. The third row is partially visible.

Resource ID	Node type	Resource...	IP	Configuration	Creation time	Expiration ti...	Tag	Operation
[Redacted]	Master	HOST	[Redacted] (private)	EMR StandardSA2 CPU: 4-core; memory: 16GB System disk: Cloud SSD 50G x 1 Data disk: Cloud SSD 200G x 1	2023-05-17 17:46:00	Pay-as-you-go	tke-created:yes	Change configuration
[Redacted]	Master	HOST	[Redacted]	EMR StandardSA2 CPU: 4-core; memory: 16GB System disk: Cloud SSD 50G x 1 Data disk: Cloud SSD 200G x 1	2023-05-17 17:46:02	Pay-as-you-go	tke-created:yes	Change configuration
[Redacted]	Common	HOST	[Redacted]	EMR StandardSA2 CPU: 2-core; memory: 4GB System disk: Cloud SSD 50G x 1 Data disk: Cloud SSD 200G x 1	2023-05-17 17:46:05	Pay-as-you-go	tke-created:yes	Change configuration

#### 4. Configure a cost allocation tag for an added node.

After a cluster is created, new MetaDB instances or manually /automatically added nodes will not automatically inherit the cluster's cost allocation tag; instead, they need to be manually associated with the tag.

Configure a cost allocation tag for an added node: Click the **ID/Name** of the target cluster to enter the cluster details page, select **Cluster Resources > Resources**, click **Scale out** to associate an added node with a cost allocation tag (cluster-level).

Scale-out service ⓘ

HDFS-2.8.5

YARN-2.8.5

KUDU-1.15.0

HBASE-2.4.5

[Specify configuration](#)
The component inherits the cluster-level configuration by default. To adjust the configuration, you can specify a configuration group.

Deployment process
DataNode,NodeManager,KuduServer,HRegionServer

[Edit process](#)
Deployed processes refer to those to be deployed in the new node. To make changes, you can edit processes.

Node Label ⓘ

The name of node label can only contain numbers, letters, - or \_ . It cannot start with - or \_ and up to 64 characters are supported.

Start service
☐ Do not start services after scaling

When this is selected, the services of the newly added nodes will not be started. You can manually start the services by clicking "Start/Stop Services".

Current spec
EMR StandardSA2 / 4-core 8 GB System disk:1 x 50GBSSD Cloud Disk Data disk:1 x 200GBSSD Cloud Disk

The spec will also be used for scale-out by default. To adjust it, go to Node specs

Scale-out quantity

- 1 +

Tag ⓘ

Tag key
tke-name

Tag value
1307265578-emr-66pbnbo/er

[+ New tag](#)

Up to 5 tags can be bound

Cost

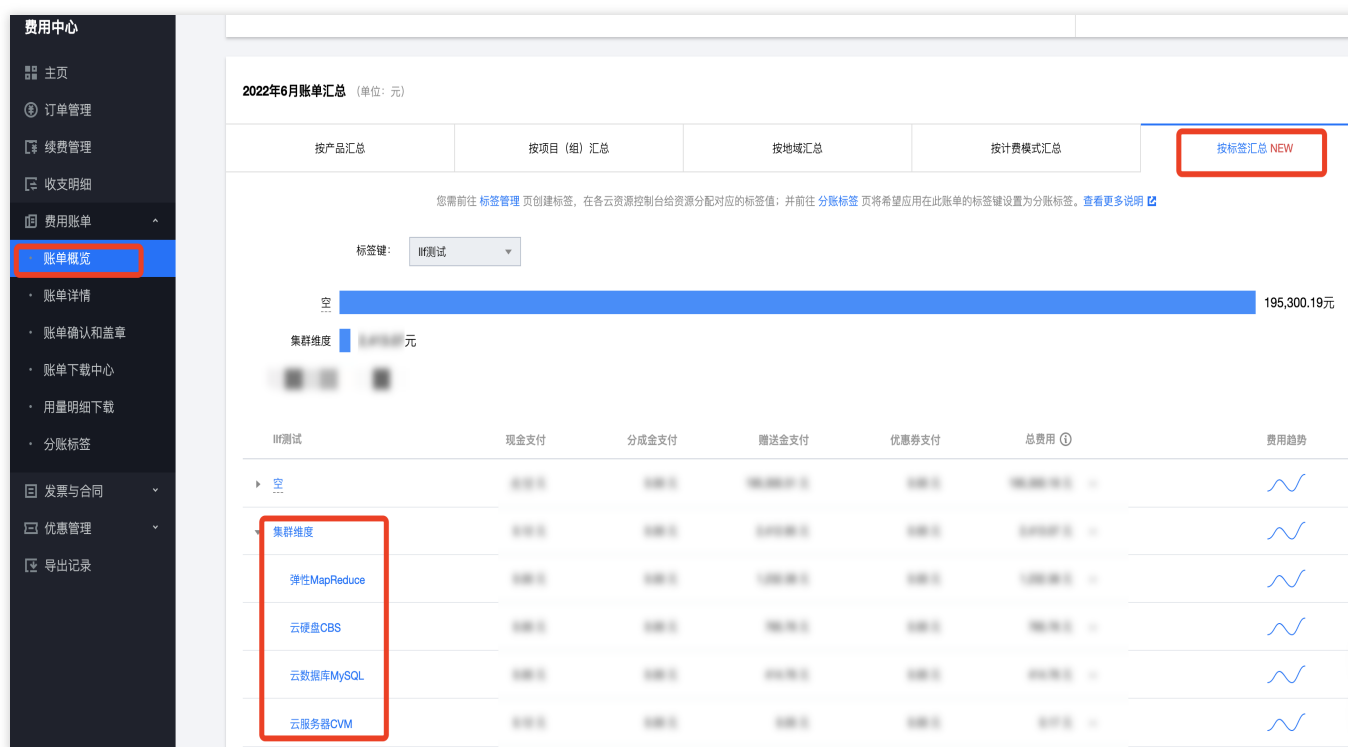
Configure a cost allocation tag for a MetaDB instance: Click the **ID/Name** of the target cluster to enter the cluster details page, select **Cluster services** > **Add component**, select Hive (for example), and select a cost allocation tag (cluster-level tag) to associate the new MetaDB instance with the cluster's cost allocation tag.

#### Note:

Cluster fees = fees incurred by existing resources + fees incurred by new resources; therefore, new resources must be associated with the cluster's cost allocation tag in order to be included in the calculation of cluster fees.

5. View the cluster's bills.

On the **Bill Overview** page in the [Billing Center](#), select the bill for the target month and select **By Tag** and **Cluster level** to view the cluster fees.

**Note:**

As you have selected the Hive metadata storage location for association with MetaDB when creating the cluster, the fees here consist of the fees of nodes, CBS, and TencentDB for MySQL.

As a new pay-as-you-go cluster is billed by hour, its billing data will start to be displayed after one hour.

## 6. Download bills.

In the [Billing Center](#), select **Bills** > **Download Center** to select bills for different months by bill type (L0, L1, L2, or L3).

Billing Center																																															
<div> <div>Account Info</div> <div>Order Management</div> <div>Renewal Management</div> <div>Reserved Instance</div> <div>Payment Management</div> <div>Bills</div> <div>Bill Overview</div> <div>Bill Details</div> <div>Bill Download</div> <div>Invoicing</div> <div>Cost Allocation Tags</div> <div>Cost Management</div> <div>Consumption Bill</div> <div>Cost Explorer</div> </div>																																															
<div> <div>2023-7 Bill Summary (Unit: USD)</div> <div> <div>Bill Storage</div> <div>Download Bill Summ</div> </div> </div>																																															
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<div> <div>You need to create tags on the <a href="#">Tag Management</a> page, assign tag values to resources on the corresponding resource consoles, and set the tag keys as cost allocation tags on the <a href="#">Cost Allocation Tags</a> page.<a href="#">Learn More</a></div> </div>																																															
<div> <div>Tag Key: test02</div> <div> <div>Empty</div> <div>195.44USD</div> </div> </div>																																															
<table> <thead> <tr> <th>test02</th><th>Total Amount After Discount (Excluding Tax)</th><th>Voucher Deduction</th><th>Tax Amount</th><th>Total Cost (Including Tax) ?</th><th>Expenditure Trend</th></tr> </thead> <tbody> <tr> <td>Empty</td><td>195.44 USD</td><td>0.00 USD</td><td>0.00 USD</td><td>195.44 USD ↓ 60.18%</td><td></td></tr> <tr> <td>Elastic MapReduce</td><td>141.46 USD</td><td>0.00 USD</td><td>0.00 USD</td><td>141.46 USD ↓ 60.14%</td><td></td></tr> <tr> <td>cloud block storage</td><td>40.07 USD</td><td>0.00 USD</td><td>0.00 USD</td><td>40.07 USD ↓ 60.28%</td><td></td></tr> <tr> <td>TencentDB for MySQL</td><td>13.58 USD</td><td>0.00 USD</td><td>0.00 USD</td><td>13.58 USD ↓ 60.41%</td><td></td></tr> <tr> <td>Cloud Public IP</td><td>0.33 USD</td><td>0.00 USD</td><td>0.00 USD</td><td>0.33 USD ↓ 59.76%</td><td></td></tr> <tr> <td>Cloud Object Storage</td><td>0.00 USD</td><td>0.00 USD</td><td>0.00 USD</td><td>0.00 USD ↑</td><td></td></tr> </tbody> </table>						test02	Total Amount After Discount (Excluding Tax)	Voucher Deduction	Tax Amount	Total Cost (Including Tax) ?	Expenditure Trend	Empty	195.44 USD	0.00 USD	0.00 USD	195.44 USD ↓ 60.18%		Elastic MapReduce	141.46 USD	0.00 USD	0.00 USD	141.46 USD ↓ 60.14%		cloud block storage	40.07 USD	0.00 USD	0.00 USD	40.07 USD ↓ 60.28%		TencentDB for MySQL	13.58 USD	0.00 USD	0.00 USD	13.58 USD ↓ 60.41%		Cloud Public IP	0.33 USD	0.00 USD	0.00 USD	0.33 USD ↓ 59.76%		Cloud Object Storage	0.00 USD	0.00 USD	0.00 USD	0.00 USD ↑	
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## Note:

L0: Electronic bill in PDF format, which can be easily used for requesting payments or archiving bills.

L1: Multidimensional consolidated bill, which provides billing data by product, project, region, or tag for you to view bills easily.

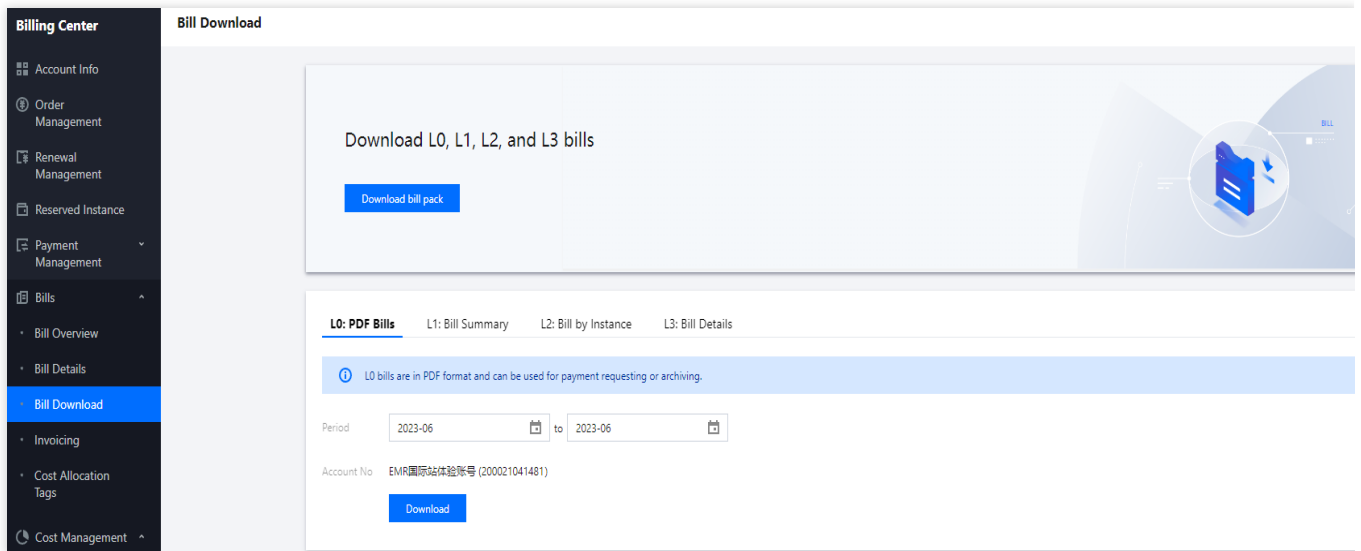
L2: Resource bill, which provides billing data by resource ID (instance).

L3: Detailed bill, which provides billing data at the finest granularity. For example, if a product is billed by hour, a new billing data entry will be displayed per hour per component. For all bills except L3 bills, the billing data for the previous month can be queried in the current month, while the billing data for the current month can be queried only after the first day of the next month.

## Cost allocation by node

1. Configure a cost allocation tag for a node

Click the **ID/Name** of the target cluster to enter the cluster details page. Then, select **Cluster resources > Resources**, select the target node, and click **More > Edit tag**.



You can add, modify, or delete a cost allocation tag for a node as shown below:

2. Set the **Tag** field of a node

Click the **ID/Name** of the target cluster to enter the cluster details page. Then, select **Cluster resources > Resources**, and click the **Set** icon.

Select the **Tag** field as shown below:

3. View the node's cost allocation tag as shown below:

4. View the node's bill.

On the **Bill Overview** page in the [Billing Center](#), select the bill for the target month and select **By Tag** and the cost allocation tag of the added node to view the node fees.

5. Download bills.

The steps are the same as those for downloading cluster bills.

# EMR on TKE Billing Instructions

## Billing Overview

Last updated : 2024-09-24 16:54:22

### Billing Mode

EMR on TKE clusters support the pay-as-you-go mode. The cluster usage fees consist of the EMR service fees, the POD resource fees in the TKE cluster used for deployment services, and other associated cloud product fees.

#### Note

The EMR on TKE cluster price inquiry only displays the EMR service fees, fees for TencentDB for MySQL, and CBS fees. It does not include the TKE resource deployment fees and other associated cloud product fees.

### Billing Items

The EMR on TKE cluster instance fees include all EMR service fees, TKE resource fees, and associated cloud product fees within the cluster. During usage, other cloud product resources such as EIP, TencentDB for MySQL, CBS, CHDFS, COS, and VPC may be used. These will be charged according to the respective billing methods for each cloud product. For detailed fee information, see the billing descriptions of each product.

Fee Types	Billing Items	Fee Description
EMR Product Fees	Service Fees	Provide multi-dimensional management services for clusters, including page display and control, monitoring and alarm, job management, automated Ops, and other services. The service fees are calculated hourly based on the specifications and number of POD resources in the cluster. Tencent Cloud: CPU: USD 0.004617 per core per hour; Memory: USD 0.00192375 per GB per hour
TKE Resource Fees	POD Resource Fees	The resources for service roles are provided by underlying containers for deployment, supporting both TKE Standard and TKE Serverless clusters. By scheduling container resources during off-peak hours relative to online services, it enables hybrid operations of both offline and online tasks, improving machine utilization. For more details, see the <a href="#">TKE Standard Cluster Billing Overview</a> and <a href="#">TKE Serverless Cluster Billing Overview</a> .
Associated Cloud Product Fees	CLB	Some service roles support cross-container cluster access. When external access is enabled, one or more CLB instances are created, incurring corresponding fees. For detailed fee information, see the <a href="#">CLB Billing</a>

		<a href="#">Overview</a> . Both private network LB and public network LB access methods are supported.
	TencentDB for MySQL	When one or more components such as Hive (local deployment), Hue, Ranger, Oozie, Druid, or Superset are deployed, a TencentDB for MySQL instance is required for metadata storage. The TencentDB for MySQL instance is purchased together with the cluster, and a corresponding order is generated for TencentDB for MySQL. The billing mode for TencentDB for MySQL is consistent with the cluster's billing mode. For more details, see the <a href="#">TencentDB for MySQL Billing Overview</a> and <a href="#">Cloud Database TencentDB for MySQL Pricing</a> .
	CBS	CBS provides data storage for containers. When the Create a PVC option is selected, at least one CBS volume needs to be purchased as a storage unit. The CBS fees are paid together with the cluster, and a corresponding order is generated on the CBS side. The billing mode for CBS is consistent with the cluster's billing mode. For more details, see the <a href="#">Cloud Block Storage Billing Overview</a> .
	COS	When COS is used to implement compute-storage separation for the cluster, data storage and request fees are incurred as the cluster retrieves data from COS in response to compute requests. Additionally, new data may be generated in COS for purposes such as storing results or backups during computation. For more details, see the <a href="#">Cloud Object Storage Billing Overview</a> and <a href="#">Cloud Object Storage Pricing</a> .
	CHDFS	When CHDFS is used to implement compute-storage separation for the cluster, data storage and request fees are incurred as the cluster retrieves data from CHDFS in response to compute requests. Additionally, new data may be generated in CHDFS for purposes such as storing results or backups during computation. For more details, see the <a href="#">Cloud HDFS Purchase Guide</a> .



# Purchase Instructions

Last updated : 2024-10-30 10:06:01

## Pay-as-You-go

Billing is based on usage duration. Account identity verification is required, and a 2-hour fee will be frozen at the time of purchase (vouchers cannot be used as a freezing deposit). The frozen resource fee will be returned upon termination. Before creating a cluster, users can check the available balance in the cloud billing account. If the balance is less than the amount that will be deducted by the system, recharge before making a purchase.

The cluster unit price is displayed hourly, but settlement is calculated based on the actual number of seconds used, rounded to two decimal places. The billing starts from the time the cluster is created and ends when the cluster termination operation is completed.

When you purchase a pay-as-you-go cluster, the fee for using the current configuration for 2 hours will be frozen in advance. Settlement occurs at every full hour (UTC+8), with fees deducted based on the actual usage duration of the cluster in the previous hour. When the configuration of a pay-as-you-go node is adjusted, the previously frozen fees will be unfrozen, and the fees will be re-frozen according to the latest configuration unit price, with a freeze period of 2 hours. When a pay-as-you-go cluster is terminated, the system will unfreeze the previously frozen fees.

If the account balance is insufficient and falls into arrears, see [Arrears Explanation](#) for more details.

See [Vouchers](#) for more details on Tencent Cloud voucher usage and restrictions.

## Billing Example

### Note

EMR on TKE cluster price inquiries only display EMR service fees, TencentDB for MySQL fees, and Cloud Block Storage (CBS) fees. It does not include TKE resource deployment fees or other associated cloud product fees. Suppose you deploy an EMR on TKE cluster in Guangzhou Zone 7, with deployment services including Spark, Hive, and Impala. The Hive metadata storage is set to Cluster Default, and a TencentDB for MySQL is purchased as metadata storage. The cluster services do not enable external access, and the deployment information of cluster service roles is as follows:

Service	Deployment Type	Service Role	Data Volume Directory	POD Specification	Number of PODs
Spark	Default deployment	SparkJobHistoryServer	Host path	CPU: 8; memory: 16	2
Hive	Default deployment	HiveMetaStore	New PVC: Data disk: High-performance	CPU: 4; memory: 8	1

			cloud disk 100G x 1		
		HiveServer2	New PVC: Data disk: High-performance cloud disk 100G x 1	CPU: 4; memory: 8	1
Impala	Associated deployment	-			

EMR product fee = Spark role deployment fee + Hive service deployment fee = 0.135432 + 0.067716 = 0.203148 USD/hour

Spark role deployment fee = SparkJobHistoryServer role deployment service fee x number of PODs x duration = (8 x 0.004617 + 16 x 0.00192375) x 2 x 1 = 0.135432 USD/hour

Hive role deployment fee = HiveMetaStore role deployment service fee x number of PODs x duration + HiveServer2 role deployment service fee x number of PODs x duration = (4 x 0.004617 + 8 x 0.00192375) x 1 x 1 + (4 x 0.004617 + 8 x 0.00192375) x 1 x 1 = 0.067716 USD/hour

Associated cloud product fee = TencentDB for MySQL metadata storage fee + Cloud disk deployment fee = 0.22 + 0.02 = 0.24 USD/hour

MetaDB node fee (High IO Edition TencentDB, 4,000 MB of memory/100 GB of hard disk/1 instance) + disk size x unit price x number of service blocks x number of instances = 0.22 + 100 x 0.0001 x 1 x 2 = 0.24 USD/hour

Total fee displayed in price inquiry = EMR product fee + associated cloud product fee = 0.203148 + 0.24 = 0.443148 USD/hour

Impala deployment fee = No fees are incurred for associated deployment.

### Note

The prices in this example are for reference only. See the actual purchase page for accurate fees, which do not include discount information.

For model specifications and pricing, see Product Pricing; for cloud disk pricing, see [Cloud Disk Price Overview](#). For MetaDB pricing, see [Cloud Database MySQL Billing Overview](#).

This example only involves associated products: Cloud Block Storage (CBS), TencentDB for MySQL, and POD resource fees.

The EMR bill only includes the POD deployment service fee. Bills for associated products can be viewed through their respective product pages. For EMR billing details, see [Bill Inquiry](#) or [Tag Split Billing](#).

## Purchase Method

Log in to the [EMR Console](#), click **Create Cluster** on the EMR on CVM cluster list page, and complete the relevant configuration on the purchase page. For detailed instructions, see [EMR on TKE Quick Start](#).

# Payment Overdue

Last updated : 2024-10-30 10:03:11

## Overdue Payment Reminder

Alarm Type	Description
<b>Arrears reminder</b>	The system will deduct fees for pay-as-you-go clusters at each full hour. When your account balance becomes negative, we will notify the Tencent Cloud account creator, as well as the overall resource collaborator and financial collaborator via email and SMS.
<b>Overdue Payment Reminder</b>	This feature is disabled by default.

## Arrears Handling

When the account balance becomes negative, the pay-as-you-go clusters can continue to be used and incur fees for up to 2 hours. After 2 hours, the pay-as-you-go clusters will stop incurring fees, automatically shut down, and enter the recycle bin.

Time After Automatic Service Suspension	Description
≤15 days	If the account is topped up and the balance exceeds 0, the billing will resume, and the cluster will automatically be recovered.
	If the account balance is not topped up to exceed 0, the cluster cannot be recovered.
> 15 days	If the account balance is not topped up to exceed 0, the pay-as-you-go cluster resources will be possessed and released, and all data will be cleared and unrecoverable. When the cluster resources are possessed, we will notify the Tencent Cloud account creator and all collaborators via email and SMS.

### Note

Promptly terminate any pay-as-you-go clusters when they are no longer in use to avoid continued fees.

Once a cluster is terminated, all data will be cleared and cannot be recovered.

Due to potential changes in your actual resource consumption, there may be some discrepancies in the balance warning.

During the arrears isolation period, associated products such as network fees and data storage (CBS) will continue to be charged until the account balance becomes negative.

## Overdue Policy for Associated Cloud Products

Associated Products	Payment Overdue
TKE General Cluster	<a href="#">Overdue Policy for TKE General Cluster</a>
Cloud Load Balancer (CLB)	<a href="#">Overdue Policy for Cloud Load Balancer</a>
TencentDB for MySQL	<a href="#">Overdue Policy for TencentDB for MySQL</a>
Cloud Block Storage (CBS)	<a href="#">Overdue Policy for Cloud Block Storage</a>
Cloud Object Storage (COS)	<a href="#">Overdue Policy for Object Storage</a>
Cloud HDFS (CHDFS)	<a href="#">Cloud HDFS Purchase Guide</a>

# EMR Serverless HBase Billing Instructions

## Billing Overview

Last updated : 2025-02-26 14:31:48

## Billing Model

EMR Serverless HBase instances currently support pay-as-you-go and monthly subscription modes.

### Billing Items

The usage fee for EMR Serverless HBase instances consists of instance management fees, node specification fees, and node storage fees. For detailed billing information, see the following billing description.

Billing Item	Billing Description
Instance Management Fees	Fees for the metadata nodes required for instance running are included. The system's default specification does not require any separate configuration or selection. Each instance generates a single unit of instance management fee.
Node Specification Fees	Fees for computing resources required for instance running vary depending on the node specification.
Node Storage Fees	Fees for instance storage business data vary depending on the storage type. Select as needed.

## Pricing

Supported only in Beijing, Shanghai, Guangzhou, Nanjing, and Jakarta.

### Instance Management Fees

Region	Pay-as-You-Go (USD/Hour)	Monthly Subscription (USD/Month)
Beijing, Shanghai, Guangzhou, Nanjing, and Jakarta	\$0.26786	\$128.5714286

### Node Specification Fees

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Region	Node Specification	Pay-as-You-Go (USD/Hour)	Monthly Subscription (USD/Month)
Beijing , Guangzhou , and Shanghai	4 cores and 16 GB	\$0.228	\$117.36
	8 cores and 32 GB	\$0.457	\$234.72
	16 cores and 64 GB	\$0.913	\$469.44
	32 cores and 128 GB	\$1.826	\$938.88
	64 cores and 256 GB	\$3.653	\$1877.76
Nanjing	4 cores and 16 GB	\$0.196	\$100.8
	8 cores and 32 GB	\$0.392	\$201.6
	16 cores and 64 GB	\$0.784	\$403.2
	32 cores and 128 GB	\$1.568	\$806.4
	64 cores and 256 GB	\$3.136	\$1612.8
Jakarta	4 cores and 16 GB	\$0.280	\$240
	8 cores and 32 GB	\$0.560	\$480
	16 cores and 64 GB	\$1.120	\$960
	32 cores and 128 GB	\$2.240	\$1920
	64 cores and 256 GB	\$4.480	\$3840

Node Storage Fees

Region	Storage Type	Pay-as-You-Go (USD/GiB/Hour)	Monthly Subscription (USD/GiB/Month)
Beijing, Guangzhou, Shanghai, and Nanjing	Performance Cloud Storage (or ESSD)	\$0.00045	\$0.225
Jakarta	Performance Cloud Storage (or ESSD)	\$0.00045	\$0.33
Beijing, Shanghai, Guangzhou, Nanjing, and Jakarta	Standard Cloud Storage (or SSD)	\$0.000225	\$0.1125

# Purchase Instructions

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## Monthly subscription

To prepay for one month, multiple months, or even years, your account needs to pass the real-name authentication. This mode applies to long-term instances with stable computing. The fees are charged by calendar month and are lower compared with the pay-as-you-go mode.

Calendar month:

Cycle for February 2016: February 1 00:00:00 - February 29 23:59:59.

Cycle for May 2017: May 1 00:00:00 - May 31 23:59:59.

Before creating an instance, you can check the available balance of your account. If the balance is insufficient for deduction, top up first before purchase.

For insufficient account balance and overdue payment, see [Overdue Payment Instructions](#).

For details of refund, see [Refund Instructions](#).

For renewal, see [Renewal Instructions](#).

For information about the use and limits of Tencent Cloud vouchers, see [Promo Vouchers](#).

## Purchasing Pay-As-You-Go Instances

Payment is based on usage duration, and real-name authentication is required for the account. When purchasing, a 2-hour fee needs to be frozen in the account (vouchers cannot be used as a freezing certificate). The frozen resource fee will be refunded upon termination. Users can check the available balance in their cloud billing account before creating an instance. If the balance is less than the amount that will be deducted by the system, please recharge before making a purchase.

The unit price of the instance is displayed per hour, and the settlement is calculated based on the actual usage duration in seconds, rounded to two decimal places. The starting point for billing is the time of instance creation, and the endpoint is when you initiate and complete the instance termination operation.

When purchasing pay-as-you-go instances, the fees for 2-hour usage under the current configuration will be frozen in your account balance as a deposit. You will then be billed by the hour (Beijing Time) based on the actual usage duration of the cluster in the past hour. When adjusting the configurations of pay-as-you-go nodes, the previously frozen fees will be thawed and a new 2-hour fee will be frozen according to the latest configuration unit price. The frozen amount will be refunded when the pay-as-you-go cluster is terminated.

Insufficient account balance, please refer to [Overdue Payment Instructions](#) for details.

For Tencent Cloud voucher usage and restrictions, please see [Promo Vouchers](#).



## Billing Examples

Assume you deploy an EMR Lite HBase instance in Zone 7 of Guangzhou, with the following configuration details:

Configuration Item	Configuration Details
Node Specification	Node Specification: 8 cores, 32 GB memory, 3 nodes
Storage class	Performance Cloud Storage: 100 GiB per node

Instance Usage Fee = Instance Management Fee + Node Specification Fee + Node Storage Fee = Instance Management Fee \* Number of Instances + Node Specification List Price \* Node Count + Storage Specification List Price \* Storage Capacity \* Node Count = \$0.26786/instance/hour \* 1 instance + \$0.457/hour \* 3 + \$0.00045/GiB/hour \* 100 GiB \* 3 = \$1.77386/hour

## Purchase Method

Log in to the EMR Console, in the EMR Lite HBase Instance List click **Create Instance**, complete the relevant configurations on the Instance Purchase Page. For detailed operations, refer to [Creating an Instance](#).

# Pay-As-You-Go to Monthly Subscription

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Pay-as-you-go allows payment based on usage, providing greater flexibility. It can be used for product feature and performance testing. Monthly subscription is more cost-effective. Tencent Cloud EMR Serverless HBase instances support changing from pay-as-you-go to monthly subscription, meeting your needs of flexible purchase and use.

## Change Rules and Restrictions

After pay-as-you-go is changed to monthly subscription, the billing mode **cannot be changed back** to pay-as-you-go. Change the billing mode with caution to avoid unnecessary costs.

A new purchase order is generated if you change from pay-as-you-go to monthly subscription. You need to pay the fees so that the change can take effect. If you do not pay or the payment fails, an unfilled order appears in [Order Center](#).

Once the payment is completed and the billing mode is changed, the instance will be billed immediately in monthly subscription mode. The billing start time for monthly subscription is the time when the billing mode is changed successfully.

The billing mode cannot be changed repeatedly before the payment is made successfully.

If the instance configuration changes before the payment is made successfully (such as node count change or storage capacity expansion), fees of the new purchase order will not match the instance, and you cannot pay for the order if it is unfilled. In this case, you need to cancel the order in Order Center and then change the billing mode again.

## Operation Steps

1. Log in to the [console](#), go to the EMR Serverless HBase module, select the pay-as-you-go instance in the instance list, and choose **More > Switch to Monthly Subscription** in the **Operation** bar.
2. Determine the purchase duration on the page that appears.
3. Check the information on the order page, and pay for the order.

# Monthly Subscription Refund Instructions

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## Self-service Refund Instructions

EMR Serverless HBase instances in monthly subscription mode support partial refund. You can request for a refund in the console.

After the refund, services for instances are suspended, and the instance status changes to Terminating or Isolated.

The instances are then moved to the recycle bin, in which case no fees will be incurred.

The instances will be retained in the recycle bin for seven days but cannot be accessed. If you want to restore them, you can renew them within the retention period.

If the billing mode of an instance is changed from pay-as-you-go to monthly subscription, you can only request a refund six hours after the change is completed.

Tencent Cloud reserves the right to reject your refund request if any potential problem exists or the request is for malicious purposes.

For the instances purchased during promotion campaigns, the rules stated in campaigns shall prevail if such rules conflict with refund rules in this document. If the campaign rules state that refund is not supported, you cannot request for refund.

## Self-service Refund Rules

Refund amount = Paid order amount - Amount of used resources

Parameter	Description
Actual order payment amount	The order payment amount, excluding the amount offset by discounts and vouchers.
Amount of used resources	Calculation rules for the corresponding fees: If the refund is initiated on a day that completes a full month, fees are calculated for the entire month. Otherwise, fees are calculated on a pay-as-you-go basis. The duration is calculated on an hourly basis. If the refunded amount is 0 or lower, no fees are refunded, and resources are released.

### Note

The vouchers and discounts used during purchase cannot be returned. Other fees (offset by cash, free credits, and cash vouchers) can be refunded to the corresponding Tencent Cloud account according to the payment method and

proportion.

# Renewal Instructions

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After purchasing an EMR Serverless HBase instance in monthly subscription billing mode, you can set manual or automatic renewal for it. If automatic renewal is enabled for the instance and your account balance is sufficient, the system will automatically renew the instance before it expires. You do not need to worry about resources and data being deleted due to renewal issues. If automatic renewal is not enabled for the instance, you can manually renew the instance in the console. You need to renew for at least one month.

## Renewal Rules

1. The instances in monthly subscription mode to be renewed should be running normally.
2. If you enable automatic renewal, the system will automatically renew the instance on the expiration date on a monthly basis. You need to ensure that your account balance is sufficient to prepay fees for at least one month. If your account balance is insufficient, automatic renewal will fail.
3. If vouchers are available for renewal, the system will automatically use them. For details, see [Promo Vouchers](#).
4. If you manually renew the instance before the deduction date, the system will automatically renew the instance on the latest expiration date.

## Manual Renewal

1. Log in to the [console](#), go the EMR Serverless HBase module, find the target instance in the instance list, and choose **More > Renew** in the **Operation** bar.
2. Determine the renewal duration as needed on the **Renewal** page.
3. Check the information, and click **Confirm**.

## Automatic Renewal

1. Log in to the [console](#), go to the EMR Serverless HBase module find the target instance in the instance list, and choose **More > Enable Auto-Renewal** in the **Operation** bar.
2. Select **On/Off** for automatic renewal on the **Enable Auto-Renewal** page.
3. Check the settings, and click **Confirm**.



# Overdue Payment

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## Monthly Subscription Instances

You will receive the alert below after you specify the recipients and receiving channels on the message subscription page.

### Alerts

Type	Description
Expiration Alert	An expiration alert will be sent seven, five, three, and one day before cloud resource expiration, as well as on the expiration day. The Tencent Cloud account creator, global resource collaborator, and financial collaborator will receive such notifications via email and SMS message.
Overdue Payment Alert	An overdue payment alert will be sent on the cloud resource expiration day and after the expiration. The Tencent Cloud account creator and all collaborators will receive such notifications via email and SMS.

### Repossession Mechanism

The system starts sending renewal reminders seven days before the expiration of cloud service resources.

If your account balance is sufficient and automatic renewal is enabled, the resources will be automatically renewed on the expiration date.

If your instances are not renewed before expiration (or on the expiration date), the system will suspend the services within approximately 48 hours after expiration. (Instances are isolated but not shut down, with data retained.) The instances will be moved to the recycle bin.

Instances not renewed upon expiration will not incur fees, but network fees will still be charged.

You can renew and restore instances within seven days after the services are suspended.

#### Note:

**The renewal cycle start date for renewed instances is the expiration date of the previous cycle.**

If your instances are not renewed within seven days (included) after services are suspended, the system will release the resources within approximately 24 hours seven days after the service suspension. **The data of expired instances will be deleted, which cannot be restored.**

## Pay-As-You-Go Pricing Instance

## Overdue Payment Reminder

Type	Note
Overdue Payment Reminder	The system bills pay-as-you-go resources on the hour. When your account balance becomes negative, the Tencent Cloud account creator, global resource collaborators, and financial collaborators will be notified via email and SMS.
Arrears Reminder	This feature is disabled by default. To enable this feature, see <a href="#">Balance Notifications</a> .

## Overdue Payment Handling

When the account balance becomes negative, pay-as-you-go instances can continue to be used and billed for the next two hours. After two hours, pay-as-you-go instances will stop being billed and automatically enter the Recycle Bin due to Automatic Service Suspension.

Time After Automatic Service Suspension	Note
$\leq 15$ days	<ol style="list-style-type: none"><li>1. If your account is topped up to a positive balance, billing will resume, and the instances will automatically recover.</li><li>2. If your account balance is not topped up to a positive value, the instances cannot be recovered.</li></ol>
$> 15$ days	If your account is not topped up to a positive balance, the pay-as-you-go instance resources will be repossessed and released, all data will be cleared and cannot be recovered. When the instance resources are repossessed, we will notify the Tencent Cloud account creator and all collaborators via Email and SMS.

### Note:

When you no longer need to use pay-as-you-go instances, terminate them promptly to avoid continued fee deductions. After an instance is terminated, its data will be cleared and cannot be recovered.

Since your actual resource consumption changes constantly, some slight discrepancies may exist for the stated balance in the low balance alert.

The network fees and other associated products will continue to be charged normally during the debt isolation period until the account balance becomes negative.