Cloud Service Engine

Billing

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Huawei Cloud Computing Technologies Co., Ltd.

Address: Huawei Cloud Data Center Jiaoxinggong Road
             Qianzhong Avenue
             Gui'an New District
             Gui Zhou 550029
             People's Republic of China

Website: https://www.huaweicloud.com/intl/en-us/

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1 Overview

This section describes the billing modes and items, renewal, and arrears of exclusive ServiceComb engines.

- **Billing Modes**

  Exclusive ServiceComb engines have one billing mode: pay-per-use. Pay-per-use is postpaid. You use ServiceComb engines and then pay as billed for your usage duration. For details, see **Overview**.

- **Billing Items**

  The billing items of exclusive ServiceComb engines vary by instance specifications. For details, see **Billing Items**.

- **Bills**

  View transactions and detailed bills related to your exclusive ServiceComb engines on the **Billing Center** > **Billing** page. For details, see **Bills**.

- **Arrears**

  Your account goes into arrears when your balance is less than the bill to be settled. If you are in arrears, your exclusive ServiceComb engines may not run correctly. Please top up in time. For details, see **Arrears**.

- **Stopping Billing**

  You can delete unneeded ServiceComb engines to avoid being charged for their usage. For details, see **Stopping Billing**.

2 Billing Modes

2.1 Overview

ServiceComb engines have one billing mode: pay-per-use.

Pay-per-use is postpaid. You use engines first, and then pay as billed for your usage duration. The fees are calculated by second and settled by hour. This allows you to adjust resource usage easily. You neither need to prepare for resources in advance, nor end up with excessive or insufficient preset resources. This mode is suitable for traffic bursts.

Table 2-1 Billing modes

Billing Mode	Pay-per-use
Payment Mode	Postpaid Billed by usage duration
Billing Cycle	Billed by second and settled by hour
Billing Item	ServiceComb engine instance specifications
Billing for Frozen Engines	You will not be billed for frozen engines.
Billing Mode Change	Not supported.
Specifications Change	Supported
Recommended Scenario	When resource demands fluctuate. You can enable and delete resources as needed.

2.2 Pay-per-Use

Pay-per-use allows you to use resources before paying for them. It is recommended when you do not want to pay in advance or do not need the

resources for long. This section describes the pay-per-use billing rules of exclusive ServiceComb engines.

Scenario

Pay-per-use is suitable for applications or services that cannot be interrupted when facing temporary or sudden traffic increases or unpredictable demands, such as e-commerce flash sales, testing, and scientific computing.

Billing Items

Select ServiceComb engine specifications based on the total number of microservice instances to be hosted. You will be billed for specifications you selected. The following items can be billed on a pay-per-use basis.
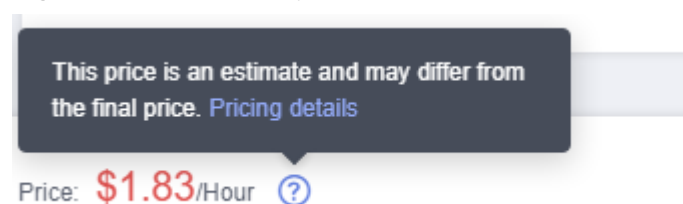
Table 2-2 Billing items

Billing Item	Description
Unit price of ServiceComb engine instance specifications (price per hour)	You are billed for your selected engine instance specifications. ServiceComb engines support 100, 200, 500, or 2000 microservice instances. For details, see **Pricing Details of Exclusive ServiceComb Engines**.

Example: When you purchase an exclusive ServiceComb engine that supports 100 microservice instances, fee details are at the bottom of the purchase page, as shown in **Figure 2-1**.

NOTICE

The prices are for reference only. Actual prices are subject to those in **Pricing Details of Exclusive ServiceComb Engines**.

Figure 2-1 Price example

Billing Cycle

In pay-per-use mode, exclusive ServiceComb engines are billed by second and settled by hour (UTC+08:00). After the settlement is complete, a new billing cycle starts. The billing starts when an engine is created, and stops when the engine is deleted.

For example, you purchased an exclusive ServiceComb engine at 08:05:00 and deleted it at 08:55:00. The billing cycle is from 08:00:00 to 09:00:00. You need to pay the fees generated from 08:05:00 to 08:55:00. There is a total of 3000s.

Billing Example

You purchased an exclusive pay-per-use ServiceComb engine (that supports 100 microservice instances) at 09:59:30 on April 18, 2023 and then deleted it at 10:45:46 on the same day.

- The first billing cycle is from 09:00:00 to 10:00:00. You need to pay the fees generated from 09:59:30 to 10:00:00. There is a total of 30s. The fee in this billing cycle is 1.83/3600 x 30 = $0.02 USD.

- The second billing cycle is from 10:00:00 to 11:00:00. You need to pay the fees generated from 10:00:00 to 10:45:46. There is a total of 2746s. The fee in this billing cycle is 1.83/3600 x 2746 = $1.40 USD.

You need to pay for each billing cycle. **Table 2-3** lists the billing formula. The price of a resource listed in the product pricing details is per hour, so divide it by 3600 to obtain the price for each second.

Table 2-3 Billing formula

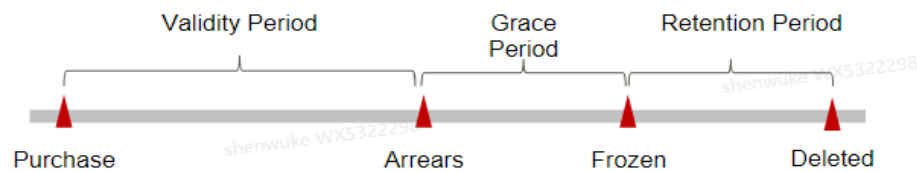| Resource	Billing Formula	Unit Price
Exclusive ServiceComb engines	Unit price of instance specifications x Billing duration	For details, see **Pricing Details of Exclusive ServiceComb Engines**.

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NOTICE

The prices are for reference only. Actual prices are subject to those in **Pricing Details of Exclusive ServiceComb Engines**.

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Arrears Impact

For the lifecycle of exclusive pay-per-use ServiceComb engines, see **Figure 2-2**. Once purchased, resources run within the billing cycle. This is their validity period. If your account is in arrears due to automatic fee deduction, your resources enter the grace period and then the retention period.

Figure 2-2 Lifecycle of exclusive pay-per-use ServiceComb engines

Arrears Alert

The system will deduct fees for pay-per-use resources at the end of each billing cycle. You will be notified by email, SMS, or internal messages when your account is in arrears.

Arrears Impact

Your account may be in arrears due to automatic fee deduction for exclusive ServiceComb engines. However, your resources will not be stopped immediately; instead, they enter the grace period. You will need to pay for the fees incurred during the grace period, which you can see on the **Billing & Costs** > **Billing Center** > **Overview** page of the Huawei Cloud console. Huawei Cloud will automatically deduct this amount when you top up.

If you do not pay the arrears within the grace period, your resources will enter the retention period and become frozen. You cannot perform any operations on the pay-per-use resources during this period.

If you do not pay the outstanding amount after the retention period expires, your engines will be deleted and their data cannot be recovered.

📖 NOTE

Both the grace and retention periods are 15 days.

3 Billing Items

Description

You are billed for your selected engine instance specifications.

Table 3-1 ServiceComb engine billing item

Billing Item	Description	Billing Mode	Billing Formula
ServiceComb engine instance	You are billed for your selected engine instance specifications.	Pay-per-use	**Unit price of instance specifications x Purchase duration** For details, see **Pricing Details of Exclusive ServiceComb Engines**.

4 Bills

Go to Huawei Cloud's Billing Center to view the bills of your exclusive ServiceComb engines. You can also learn about their usage and billing details for a specific period.

Bill Reporting Period

For pay-per-use ServiceComb engines, their usage information will be periodically reported to the billing system for settlement. Pay-per-use resources can be settled by hour, day, or month. Exclusive pay-per-use ServiceComb engines are settled by hour. For example, if you delete an exclusive ServiceComb engine at 08:30, the fees generated from 08:00 to 09:00 will usually be deducted at about 10:00. On the **Billing Center** > **Billing** > **Transactions and Detailed Bills** > **Transaction Bills** page, **Expenditure Time** lists the usage duration of your pay-per-use resources.

Viewing Bills of a Specific Resource

Step 1 Log in to the **management console**.

Step 2 Choose **Middleware** > **Cloud Service Engine**.

Step 3 In the navigation pane, choose **Exclusive ServiceComb Engines**.

Step 4 Click a target engine. On the displayed page, copy the engine ID.

Step 5 Choose **Billing > Transactions and Detailed Bills**.

Step 6 Choose **Transactions and Detailed Bills** > **Bill Details**. On the displayed page, select **Resource ID** as the filter condition, paste the resource ID copied in **Step 4**, and click $\mathbb{Q}$ to search for the bill of the resource.

By default, bill details are displayed by usage and billing cycle. You can also select other statistical dimensions or periods.

----End

5 Arrears

Your account goes into arrears when your balance is less than the bill to be settled. If you are in arrears, your exclusive ServiceComb engines may not run correctly. Please top up in time.

Arrears Reason

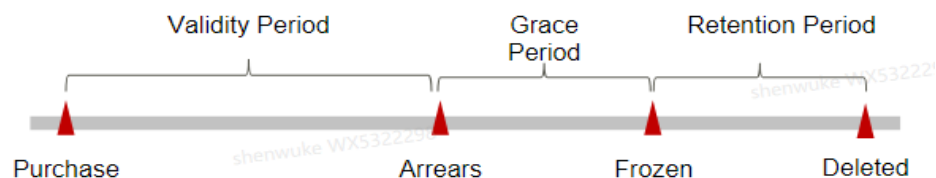The account balance is insufficient.

Arrears Impact

Your account may be in arrears due to automatic fee deduction for exclusive ServiceComb engines. However, your resources will not be stopped immediately; instead, they enter the grace period. You will need to pay for the fees incurred during the grace period, which you can see on the **Billing & Costs** > **Billing Center** > **Overview** page of the Huawei Cloud console. Huawei Cloud will automatically deduct this amount when you top up.

If you do not pay the arrears within the grace period, your resources will enter the retention period and become frozen. You cannot perform any operations on the pay-per-use resources during this period.

If you do not pay the outstanding amount after the retention period expires, your engines will be deleted and their data cannot be recovered.

Figure 5-1 Lifecycle of exclusive pay-per-use ServiceComb engines

Avoiding and Handling Arrears

Top up in time if your account is in arrears.

If exclusive ServiceComb engines are no longer used, delete them to avoid being charged.

Enable balance alert on the **Billing Center** > **Overview** page. When the total amount of the available quota, general cash coupons, and cash coupons is lower than the threshold, you will be notified by SMS or email.

If your account is in arrears, top up in time.
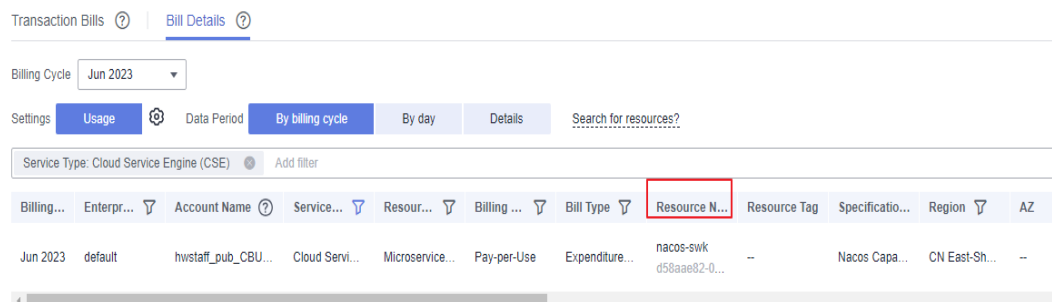
6 Stopping Billing

Pay-per-Use Resources

If exclusive pay-per-use ServiceComb engines are no longer needed, delete them in time to avoid being charged.

Searching for Exclusive ServiceComb Engines and Deleting Them

Obtain the names of exclusive ServiceComb engines from the bill, and then locate and delete them:

Step 1 Choose **Billing > Transactions and Detailed Bills**.

Step 2 On the displayed page, choose **Transactions and Detailed Bills** > **Bill Details**, and copy an engine name, as shown in the following figure.

Step 3 Click ☰ in the upper left corner and choose **Middleware** > **Cloud Service Engine**.

Step 4 In the navigation pane, choose **Exclusive ServiceComb Engines**.

Step 5 In the upper right corner of the exclusive ServiceComb engine list, paste the engine name obtained in **Step 2** and click 🔍 .

Step 6 Click the engine name. On the displayed page, delete the engine.

📖 **NOTE**

The system usually deducts fees of the last settlement period one hour of you using the engine. As a result, bill information may still exist for a pay-per-use engine that was just deleted. For example, when you delete pay-per-use resource at 08:30, the fees generated between 08:00 and 09:00 are usually deducted at about 10:00.

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