

Cloud Bastion Host (CBH)

Billing

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1 Overview

In this document, you will learn about how CBH instances are billed, how you can renew subscriptions and manage costs, and what happens if your account goes into arrears.

- **Billing modes**

CBH supports the yearly/monthly and pay-per-use billing modes. Yearly/Monthly is a prepaid mode. You need to pay first, and will be billed based on the required duration in your order. You will need to make sure you have a top-up account with a sufficient balance or have a valid payment method configured first. Pay-per-use is a postpaid mode. You pay for what you use by the hour. CBH supports this billing mode in some regions. For details, see [Overview](#).

NOTICE

Currently, the pay-per-use billing mode applies only to the government cloud zone.

- **Billing items**

The billing items of CBH consist of specifications you purchase. For details about billing items and calculation formulas, see [Billing Items](#).

Different billing calculation formulas are used based on billing modes. For details, see [Billing Examples](#).

- **Renewing subscriptions**

After a yearly/monthly CBH expires, it cannot run properly. To continue using a CBH instance, renew the CBH subscription within the specified period, or the CBH instance will be automatically released, and data may be lost. You can renew your subscription manually or automatically. For more details, see [Overview](#).

- **Bills**

You can choose **Billing Center** > **Billing** to check the CBH transactions and bills. For details, see [About Bills](#).

- **Arrears**

Your account goes into arrears when the balance cannot cover the bill you need to pay. If you want to continue using your cloud services, you will need to top up your account in a timely manner. For details, see [About Arrears](#).

- **Billing termination**

If you no longer need to use your cloud service, you can unsubscribe from or delete it to stop the billing. For details, see [Billing Termination](#).

- **Cost management**

CBH costs include resource costs and O&M costs. You can optimize costs through cost collection, resource optimization, upgrade, thrift, and automatic O&M. For details, see [Cost Management](#).

2 Billing Modes

2.1 Overview

CBH supports yearly/monthly and pay-per-use billing modes.

Yearly/Monthly billing is a prepaid mode in which you pay for the service before using it. Your bill is generated based on the required duration you specify in the order. The longer the subscription term, the bigger the discount. This mode is applicable to services that have long-term and stable requirements.

Pay-per-use billing is a postpaid mode in which you pay for what you use by the hour.

[Table 2-1](#) lists billing modes supported by CBH.

NOTICE

Currently, the pay-per-use billing mode applies only to the government cloud zone.

Table 2-1 Billing modes

Billing Mode	<ul style="list-style-type: none">• Yearly/Monthly billing• Pay-per-use billing
Payment Method	<ul style="list-style-type: none">• Yearly/Monthly billing: You are billed based on the required duration you specify in the order.• Pay-per-use billing: You pay for what you actually use by the hour.
Billing Period	<ul style="list-style-type: none">• Yearly/Monthly billing: You make a one-time payment for your order.• Pay-per-use billing: The usage is calculated by the second, and the bill is generated by the hour.
Billed Item	Specifications

Billing for Stopped Instance	<ul style="list-style-type: none"> Yearly/Monthly billing: The bill is generated based on the required duration you specify in the order, regardless of whether the CBH instance is stopped. Pay-per-use billing: The bill is generated based on real-time usage. CBH checks connections in real time. The billing does not stop as long as there are on-going O&M connections even if managed resources are stopped.
Billing Mode Change	<ul style="list-style-type: none"> Yearly/Monthly: Not supported. Pay-per-use billing: Not supported.
Specifications Change	Supported
Application Scenario	Yearly/Monthly is ideal when your resource usage duration is predictable.

2.2 Yearly/Monthly Billing

Yearly/Monthly billing is a prepaid billing mode in which you pay before using resources. It is suitable when your resource requirements are fixed because you can pay less by using longer. In the yearly/monthly billing mode, we offer discounts to you. This topic describes the billing rules of yearly/monthly CBH resources.

Application Scenarios

If you want to ensure resource stability over a certain period of time, yearly/monthly billing is a good choice. The yearly/monthly billing mode is recommended for the following workloads:

- Long-term workloads with stable resource requirements, such as official websites, online malls, and blogs.
- Long-term projects, such as scientific research projects and large-scale events.
- Workloads with predictable traffic bursts, for example, e-commerce promotions or festivals.
- Workloads with high data security requirements

Billing Items

CBH billing items include instance type and specifications. You are billed for the following items on a yearly/monthly basis.

Table 2-2 Billing items

Billing Item	Description
Specifications	Specifications of a CBH instance include the asset quantity and the CBH edition.

Billing Period

The billing period of a yearly/monthly CBH instance is determined by required duration (UTC+8:00). The billing starts when you activated or renewed the subscription (accurate to seconds), and ends at 23:59:59 of the expiry date.

For example, if you purchased a one-month CBH instance on March 08, 2023, 15:50:04, the billed usage period is from March 08, 2023, 15:50:04 to April 08, 2023, 23:59:59.

Billing Examples

Assume that you purchased a yearly/monthly CBH instance (specifications: 20 assets professional edition) at 15:50:04 on March 8, 2023. The billing resources include only CBH specifications, and the required duration is one month. Then, you renewed the subscription for one more month before the initial subscription expires. The following usage periods will be billed:

- The first billing period: March 08, 2023, 15:50:04 to April 08, 2023, 23:59:59
- The second billing period: April 08, 2023, 23:59:59 to May 08, 2023, 23:59:59

You need to pay for each billing period, and CBH resources are billed individually. The billing formula is shown in [Table 2-3](#).

Table 2-3 Billing formulas

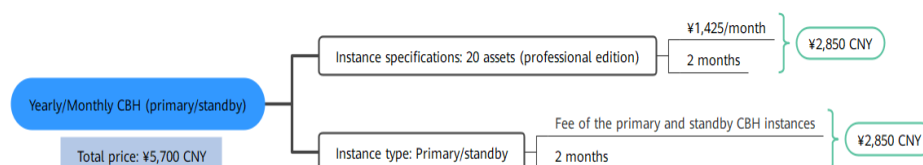
Resource	Formula	Unit Price
CBH instances	Unit price of instance specifications x Required duration (single-node instance) Unit price of instance specifications x Required duration x 2 (single-node instance)	For details, see Performance Specifications in CBH Pricing Details

[Figure 2-1](#) shows how the total price is calculated.

NOTICE

The price in the figure is for reference only. The actual calculation is based the price in the [Product Price Details](#).

Figure 2-1 Total price for a yearly/monthly CBH instance



Price Change After Specification Change

If the specifications of a yearly/monthly CBH instance no longer meet your needs, you can change the specifications on the console. The system will recalculate the price and either bill or refund you the difference.

- If you upgrade your CBH specifications, you need to pay the difference in price.
- Resource specification reduction: CBH does not support specification reduction.

The price for the old edition is ¥700/month, and that for the new one is ¥1,050/month. The price difference will be calculated as follows:

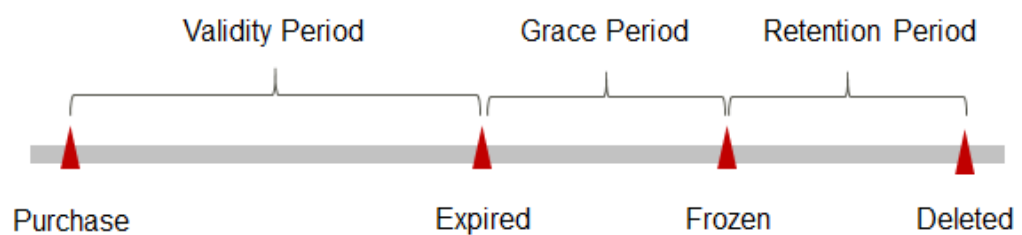
Specification upgrade fee = New specification price × Remaining period - Old specification price × Remaining period

The remaining period is the remaining days of each calendar month divided by the maximum number of days in each calendar month. In this example, Remaining period = 12 (Remaining days in April)/30 (Maximum number of days in April) + 8 (Remaining days in May)/31 (Maximum number of days in May) = 0.6581. Cost of upgrade = ¥1050 × 0.6581 - ¥700 × 0.6581 = ¥230.335.

Impacts of Expiration

Figure 2-2 shows the statuses a yearly/monthly CBH instance can go through throughout its lifecycle. After a CBH instance is purchased, it enters the valid period and runs normally during this period. If the instance is not renewed after it expires, before being deleted, it first enters a grace period and then a retention period.

Figure 2-2 Periods of yearly/monthly CBH resources



Expiration reminder

From the 7th day before yearly/monthly CBH resources expire, the system will send an expiration reminder to the creator of the account by email, SMS, and internal message.

Impacts of expiration

If your yearly/monthly CBH is not renewed after it expires, it changes to the **Expired** state and enters a grace period. During this period, you can still access your CBH instance.

If you do not renew your yearly/monthly CBH instance before the grace period ends, it goes into the retention period and its status turns to **Frozen**. You cannot perform any operations on such instances in the retention period.

If you still do not renew your yearly/monthly CBH instance before the retention period ends, the instance will be released, and the data cannot be restored.

2.3 Pay-per-Use Billing

Pay-per-use billing is a postpaid mode in which you pay for what you use. This billing mode requires no upfront or long-term commitments.

NOTICE

Currently, the pay-per-use billing mode applies only to the government cloud zone.

Application Scenario

Pay-per-use billing is good for short-term, burst, or unpredictable workloads that cannot tolerate any interruption

Billing Items

CBH billing items include instance type and specifications. The following billing items support pay-per-use billing.

Table 2-4 Billing items

Billing Item	Description
Specifications	Specifications of a CBH instance include the asset quantity and the CBH edition.

3 Billing Items

Billing Description

The billing items of CBH consist of specifications and instance types. For details, see [Table 3-1](#).

 **NOTE**

The billing items marked with asterisks (*) are mandatory.

Table 3-1 CBH billing items

Billing Item	Description	Billing Mode	Formula
* Specifications	Billing factors: number of assets, number of concurrent requests, and instance edition.	<ul style="list-style-type: none"> Yearly/Monthly billing Pay-per-use billing 	Unit price of the instance specifications x Required duration
* Instance type	<ul style="list-style-type: none"> Single-node CBH: No standby CBH instance is purchased. Primary/standby: Purchase a standby CBH instance. You can select an AZ as required. 	<ul style="list-style-type: none"> Yearly/Monthly billing Pay-per-use billing 	Single-node CBH: Price of specifications x 1 Active/standby CBH: Price of specifications x 2

Billing Examples

Take the yearly/monthly billing mode as an example. Assume that you purchased a yearly/monthly CBH instance (specifications: 20 assets professional edition) at

15:50:04 on March 8, 2023. The billing resources include only specifications. Your subscription is one month and you manually renew the subscription for one month before the subscription expires. The billing details will be as follows:

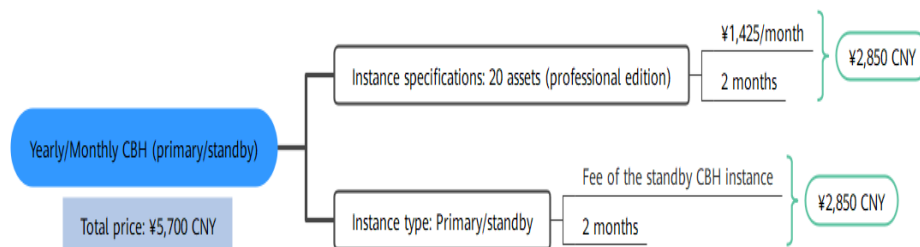
- The first billing period: March 08, 2023, 15:50:04 to April 08, 2023, 23:59:59
- The second billing period: April 08, 2023, 23:59:59 to May 08, 2023, 23:59:59

Figure 2-1 shows how the total price is calculated.

NOTICE

The price in the figure is for reference only. The actual calculation is based the price in the [Product Price Details](#).

Figure 3-1 Total price for a yearly/monthly CBH instance



4 Billing Examples

Scenarios

At 09:18:00 on June 1, 2023, a user purchased a CBH instance of the standard edition with 50 assets. The specifications are as follows:

- Specifications: 50 assets (standard edition)
- Required duration: 1 month
- Instance type: single-node

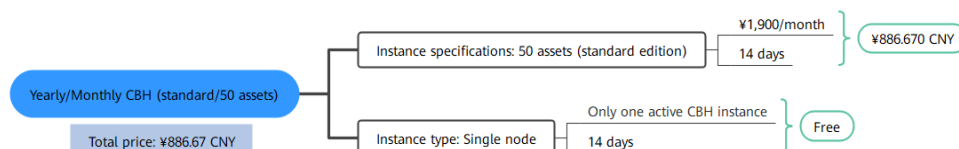
After a period of time, the user found that the CBH instance specifications no longer met service requirements. At 9:00:00 on June 14, 2023, the user upgraded the CBH instance specifications to the professional edition with 50 assets and renewed the subscription for one month. So, how much will the used be billed for this instance from June to July? Let's start from scratch.

Billing Analysis

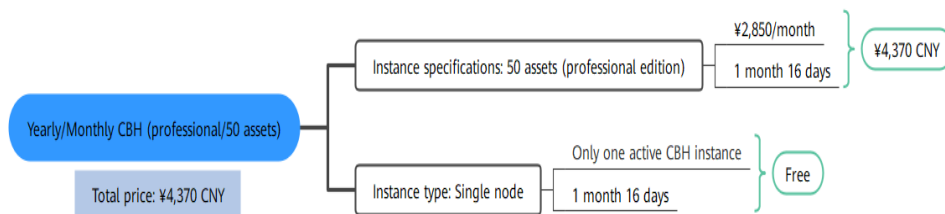
The total price of this instance involves two billing periods. From June 1, 2023, 09:18:00 to June 14, 2023, 09:00:00, the user is billed for the standard edition (single-node instance) of 50 assets. From June 14, 2023, 09:00:00 to July 31, 2023, 23:59:59, the user is billed for a one-month subscription to the professional edition (single-node) of 50 assets.

Pay-per-use billing

From June 1, 2023, 09:18:00 to June 14, 2023, 09:00:00, the user is billed for the subscription to the 50-asset standard edition (single-node instance). The fee is calculated as follows:



From June 14, 2023, 9:00:00 to July 31, 2023, 23:59:59, the user is billed for the subscription to the 50-asset professional edition (single-node instance). The fee is calculated as follows:



From June to July, the total fee of the CBH instance is ¥5256.67 (886.67 + 4,370).

5 Renewing Your Subscription

5.1 Overview

When to Renew Subscriptions

After a yearly/monthly CBH expires, it cannot run properly. If you want to continue using the CBH instance, you need to renew it within the specified period, or the CBH instance will be automatically released, and data will be lost and cannot be restored.

Only yearly/monthly CBH instances can be renewed.

If you renew your CBH instance before it expires, resources will be retained and you can continue using the instance.

Renewals do not apply to the pay-per-use mode.

How to Renew Subscriptions

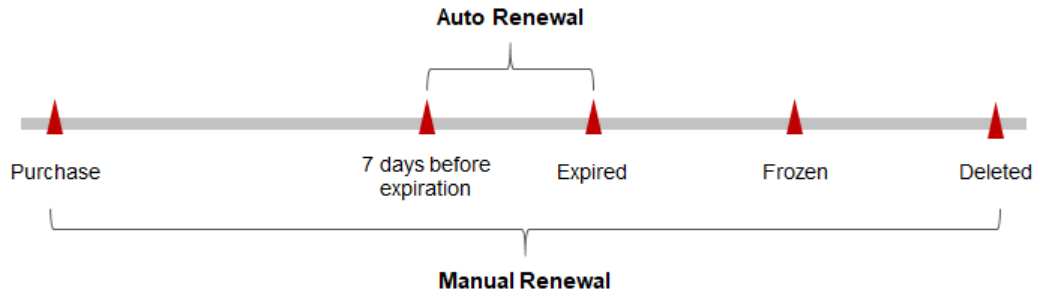
[Table 5-1](#) describes how to renew your yearly/monthly CBH.

Table 5-1 Renewal methods

Method	Description
Manually Renewing CBH	You can renew your yearly/monthly CBH instance on the console anytime before it is automatically deleted.
Auto-renewing CBH	After auto-renewal is enabled, CBH automatically renews your subscription before the subscription expires. This prevents resources from being automatically deleted if you forget to manually renew the subscription.

You can renew your yearly/monthly CBH instance based on its status. For details, see [Figure 5-1](#).

Figure 5-1 CBH lifecycle



- A CBH instance is in the **Running** state after it is provisioned.
- When a CBH subscription expires, its status will change from **Running** to **Expired**.
- If an expired CBH instance is not renewed, it enters a grace period. If it is not renewed by the time the grace period expires, the CBH instance will be frozen and enter a retention period.
- If you do not renew the subscription within the retention period, your resources will be automatically deleted.


You can enable auto-renewal anytime before your CBH instance expires. By default, the system will make the first attempt to charge your account for the renewal at 03:00 seven days before the expiry date. If this attempt fails, it will make another attempt at 03:00 every day until the subscription is renewed or expired. You can change the auto-payment date for renewal as required.

5.2 Manually Renewing CBH

You can renew your yearly/monthly CBH instance on the console anytime before it is automatically deleted.

Renewing a Subscription on the Console

Step 1 Log in to the management console.

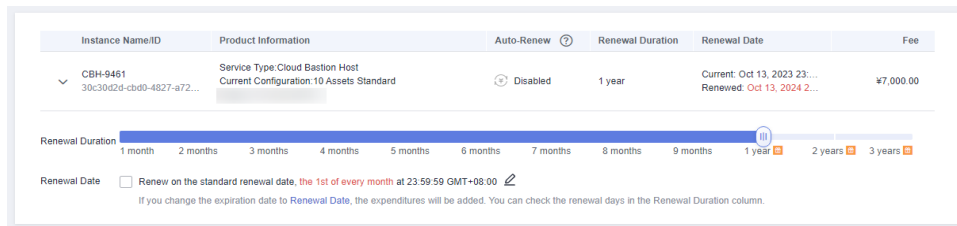
Step 2 Click  in the navigation pane on the left and choose **Security & Compliance > Cloud Bastion Host**.

Step 3 On the CBH instance list page, select the yearly/monthly CBH instance you want to renew.

Step 4 Choose **More > Renew** in the **Operation** column.

Step 5 On the displayed page, select the renewal time, confirm the information, and click **Pay**.

Figure 5-2 Renewing your subscription



Step 6 Select a payment method and make your payment. Once the order is paid, the renewal is complete.

----End

Renewing a Subscription in Billing Center

Step 1 [Log in to the management console](#).

Step 2 In the upper right corner of the page, choose **Billing & Costs > Renewal** to go to the **Renewals** page.

Step 3 Manually renew resources.

- Individual renewal: Click **Renew** in the **Operation** column for the desired resource.
- Batch renewal: Check the boxes for the desired resources, and click **Batch Renew** in the upper left corner.

Step 4 Select a renewal duration and optionally select **Renew on the standard renewal date**. Confirm the price and click **Pay**.

Step 5 Select a payment method and make your payment. Once the order is paid, the renewal is complete.

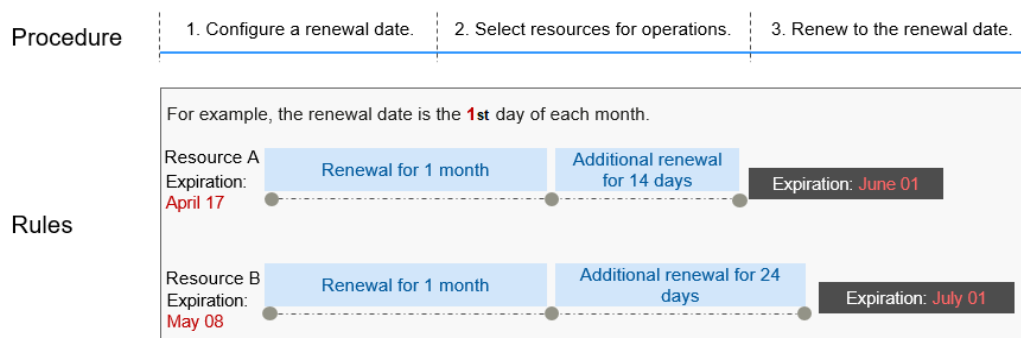
----End

Setting the Same Renewal Day for Yearly/Monthly Resources

If your CBH instances or other related resources like CFW or EVS disks have different expiry dates, you can set the same renewal day, for example, the first day of each month, to make it easier to manage renewals.

In [Figure 5-3](#), a user sets the same renewal day for two resources that will expire at different dates.

Figure 5-3 Setting the same renewal day for resources with different expiry dates



5.3 Auto-renewing CBH

Auto-renewal can prevent CBH resources from being automatically deleted if you forget to manually renew them. The auto-renewal rules are as follows:

- The first auto-renewal date is based on when the CBH expires and the billing cycle.
- The auto-renewal period of a CBH instance depends on the subscription term you selected. For example, if the subscription term is 3 months, your CBH subscription is automatically renewed for three months every time before expiration.
- You can enable auto-renewal anytime before a CBH expires. By default, the system will make the first attempt to charge your account for the renewal at 03:00 seven days before the expiry date. If this attempt fails, it will make another attempt at 03:00 every day until the subscription is renewed or expired.
- After auto-renewal is enabled, you can manually renew your CBH instances. After a manual renewal is complete, auto-renewal is still valid, and the renewal fee will be deducted from your account seven days before the new expiry date.
- By default, the system automatically deducts fees from your account 7 days before your instance expires. You can change the renewal payment date if needed, for example, 6 days or 5 days before the instance expires.

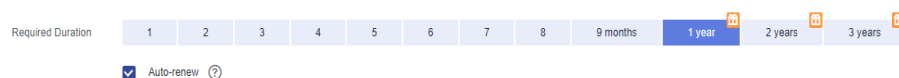
Prerequisites

The yearly/monthly CBH is not expired.

Enabling Auto-Renewal on the CBH Purchase Page

You can enable auto-renewal on the CBH purchase page, as shown in [Figure 5-4](#).

Figure 5-4 Enabling auto-renewal



Enabling Auto-Renewal on the Renewals Page

Step 1 Log in to the management console.

Step 2 Hover over **Billing & Costs** in the upper part of the console and choose **Renewal** from the drop-down list.

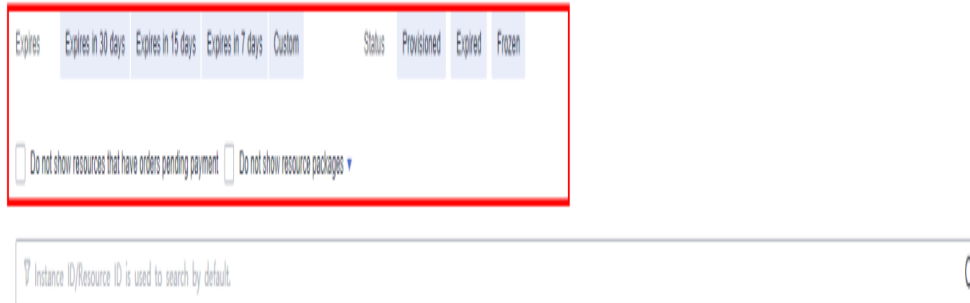
Go to the **Renewals** page.

Step 3 Select the search criteria.

- On the **Auto Renewals** page, you can view the resources for which auto-renewal has been enabled.

- You can enable auto-renewal for resources on the **Manual Renewals**, **Pay-per-Use After Expiration**, and **Renewals Canceled** pages.

Figure 5-5 Renewals



Step 4 Enable auto-renewal for yearly/monthly resources.

- Separate auto-renewal: Choose **More** > **Enable Auto-Renew** in the **Operation** column for the desired CBH instance.

Figure 5-6 Enabling auto-renewal for a single resource



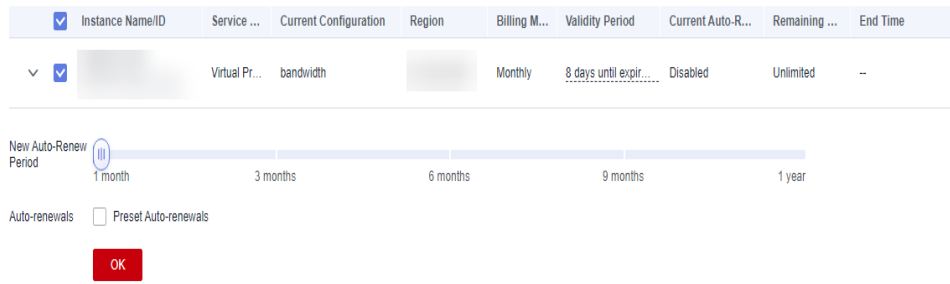
- Batch auto-renewal: Select the desired CBH instances and click **Enable Auto-Renew** above the list.

Figure 5-7 Enabling auto-renewal for multiple resources



Step 5 Select a renewal period, specify the auto-renewal times, and click **OK**.

Figure 5-8 Enabling Auto-Renewal



----End

6 About Bills


Bill Generation

After yearly/monthly resources are paid, a bill is reported to the billing system for settlement.

In pay-per-use mode, usage is billed by the hour,

Viewing Bills of a Specific Resource

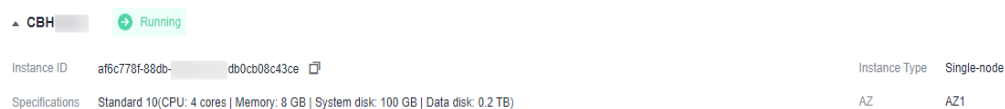
Step 1 [Log in to the management console](#).

Step 2 Click  in the upper left corner of the management console and select a region or project.


Step 3 In the navigation pane on the left, click  in the upper left corner and choose **Security & Compliance > Cloud Bastion Host**.

Step 4 In the CBH instance list, click the instance ID in the **Instance Name** column to view the instance details.

Figure 6-1 Obtaining the resource ID



Step 5 On the top menu bar of the console, choose **Billing & Costs > Bills**. The **Bills** page is displayed.

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 before, and click  to search for the bill of the resource.

By default, the bill details are displayed by usage and billing cycle. You can choose other display options as needed.

----End

7 About Arrears

Impact of Arrears

Yearly/monthly CBH resources are paid when you make the purchase. You can still use the existing yearly/monthly CBH resources even if your account goes into arrears. However, you cannot perform other operations that may generate fees, such as purchasing a new CBH instance, upgrading CBH specifications, or renewing subscriptions.

Avoiding and Handling Arrears

You need to top up your account once it falls into arrears.

Configure the **Balance Alert** function 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, the system automatically notifies you by SMS or email.

If your account is in arrears, top up your account in a timely manner.

8 Billing Termination

Yearly/Monthly Resources

You pay for a resource billed in yearly/monthly mode, such as a yearly/monthly CBH instance, when you purchase it. Billing automatically stops when the subscription expires.

- You can unsubscribe from a yearly/monthly resource before the subscription expires. Fees for unused resource will be refunded to you based on refund conditions, including the five-day unconditional unsubscription conditions and whether cash coupons or discount coupons are used for the purchase. For details about unsubscription rules, see [Unsubscriptions](#).
- If you have enabled auto-renewal but no longer wish to automatically renew the subscription, you can disable it before the auto-renewal date (7 days before the expiration date by default) to avoid unexpected expenditures.

Pay-per-Use Resources

To terminate billing for pay-per-use resources, disable the pay-per-use billing mode.

9 Cost Management

As you migrate more of your services to the cloud, managing cloud costs becomes more important. How to manage costs and reduce service loads when using CBH is also our concerns. The following describes how to manage costs in terms of cost composition, allocation, analysis, and optimization. Optimizing costs can help you maximize return on investment.

In yearly/monthly cloud billing, the fees of all billing items can only be allocated using enterprise projects.

Cost Allocation

A good cost accountability system is a prerequisite for cost management. It ensures that departments, business teams, and owners are accountable for their respective cloud costs. An enterprise can allocate cloud costs to different teams or projects so as to have a clear picture of their respective costs.

Huawei Cloud **Cost Center** provides various tools for you to group costs in different ways. You can experiment with these tools and find a way that works best for you.

- **By linked account**

The enterprise master account can categorize the costs of its member accounts by linked account to manage the accounting of those member accounts. For details, see [Viewing Costs by Linked Account](#).

- **By enterprise project**

Before allocating costs, enable Enterprise Project Management Service (EPS) and plan your enterprise projects based on your organizational structure or businesses. When purchasing cloud resources, select an enterprise project so that the costs of the resources will be allocated to the selected enterprise project. For details, see [Viewing Costs by Enterprise Project](#).

All CBH billing items can be allocated by enterprise projects.

- a. **Enable enterprise project.**

Complete real-name authentication, and then enable Enterprise Project. For details, see [Enabling the Enterprise Project Function](#).

- b. **Create an enterprise project.**

- Create an enterprise project based on your department or business needs. For details, see [Creating an Enterprise Project](#).
- c. **Select an enterprise project when purchasing CBH.**
Select an enterprise project in the **Enabled** state for a newly purchased CBH instance so that the costs of the CBH instance will be allocated based on the selected enterprise project.
 - d. **View costs by enterprise project.**
When viewing cost data by enterprise project, you are advised to summarize data based on amortized costs. For details, see [Viewing Costs by Enterprise Project](#).
- **By cost tag**
You use tags to sort your Huawei Cloud resources in a variety of different ways, for example, by purpose, owner, or environment. The following is the process of managing costs by predefined tags.
 - a. **Add a predefined tag.**
Go to the TMS console and create predefined tags. For details, see [Creating Predefined Tags](#).
 - b. **Activate cost tags.**
For details, see [Activating Cost Tags](#). You can view activated cost tags on the **Cost Analysis** or **Budgets** page.
If you activate some tags, they will be used to organize your resource costs generated thereafter. If you want to use tags to analyze the cost data generated before tag activation, export the bill details file and analyze the data based on the **Resource Tag** field in the file.
 - c. **Add tags to CBH instance resources.**
On the page for purchasing a CBH instance, select a created predefined tag.
 - d. **View cost data by the cost tag.**
For details, see [Viewing Costs by Cost Tag](#).
 - **By cost category**
You can use **Cost Categories** provided by [Cost Center](#) to split shared costs. Shared costs are the costs of resources (compute, network, storage, or resource packages) shared across multiple departments or the costs that cannot be directly split by cost tag or enterprise project. These costs are not directly attributable to a singular owner, and they cannot be categorized into a singular cost type. In this case, you can define cost splitting rules to fairly allocate these costs among teams or business units. For details, see [Viewing Cost By Cost Category](#).

Cost Analysis

To precisely control and optimize your costs, you need a clear understanding of what parts of your enterprise incurred different costs. [Cost Center](#) visualizes your original costs and amortized costs using various dimensions and display filters for cost analysis so that you can analyze the trends and drivers of your service usage and costs from a variety of perspectives or within different defined scopes.

You can also use **Cost Anomaly Detection** provided by **Cost Center** to detect unexpected expenses in a timely manner. In this way, costs can be monitored, analyzed, and traced.

For details, see [Performing Cost Analysis to Explore Costs and Usage](#) and [Enabling Cost Anomaly Detection to Identify Anomalies](#).

Cost Optimization

- **Cost control**

You can create different types of budgets on the **Budgets** page of Cost Center to track your costs against the budgeted amount you specified. If the budget thresholds you defined are reached, Cost Center will send alerts to the recipients you configured. You can also create budget reports and specify recipients to receive budget alerts if any at a frequency you configured.

For example, an enterprise needs to create a quarterly cost budget for CBH. The quarterly budget is \$5,000 USD. The system should send an alarm when the forecast amount is greater than 80% of the budget amount. You can refer to the following budget information.

Figure 9-1 Defining the budget scope

Service Type	All	▼
Linked Account	All	▼
Region	All	▼
Specifications	All	▼
Usage Type	All	▼
Cost Tag	All	▼
Cost Categories	All	▼
Enterprise Project	All	▼
Business Entity	Include	▼
HUAWEI CLOUD		1

[More filters](#)

Figure 9-2 Budget alerts

(Optional) Alert Thresholds

Thresholds:

[+ Add threshold](#)

Recipients: [+ Select From Contacts](#)

For details, see [Enabling Forecasting and Creating Budgets to Track Cost and Usage](#).

- **Resource rightsizing**

Cost Center can help monitor the historical expenditures and resource usage of the CBH service, identify idle resources, and provide optimization suggestions so that you can reduce costs as much as possible. You can also identify resources with high costs based on the analysis results in the **cost analysis** phase, use Cloud Eye to monitor resource usage, determine the causes of high costs, and take optimization measures accordingly.

Related Operations

Creating a Budget: You can create budget reminders based on daily, monthly, quarterly, and yearly costs and resource usage. If your actual costs or usage exceeds the budget threshold you configured, you will receive an alert.

10 Billing FAQs

10.1 How Do I Renew a CBH Instance and Update the Mapped System Authorization?

To ensure that you can use CBH properly, renew the CBH license before it expires or within the retention period.

- If your CBH instance is about to expire, you can renew it so that you can continue to use it.
- If your CBH instance fails to be renewed before it expires, there is a retention period for you. During the retention period, the CBH instance is frozen. As a result, you cannot log in to or use the mapped CBH system. If your subscription is still not renewed within the retention period, your data stored in the CBH system will be deleted, and the resource will be released.

Application Scenario

- The CBH instance has expired or is about to expire.
- The message center of the CBH system prompts that the authorized license is about to expire and you need to update the license in a timely manner.
- The CBH system cannot be logged in to, and a message is displayed indicating that the license needs to be updated.

Prerequisites

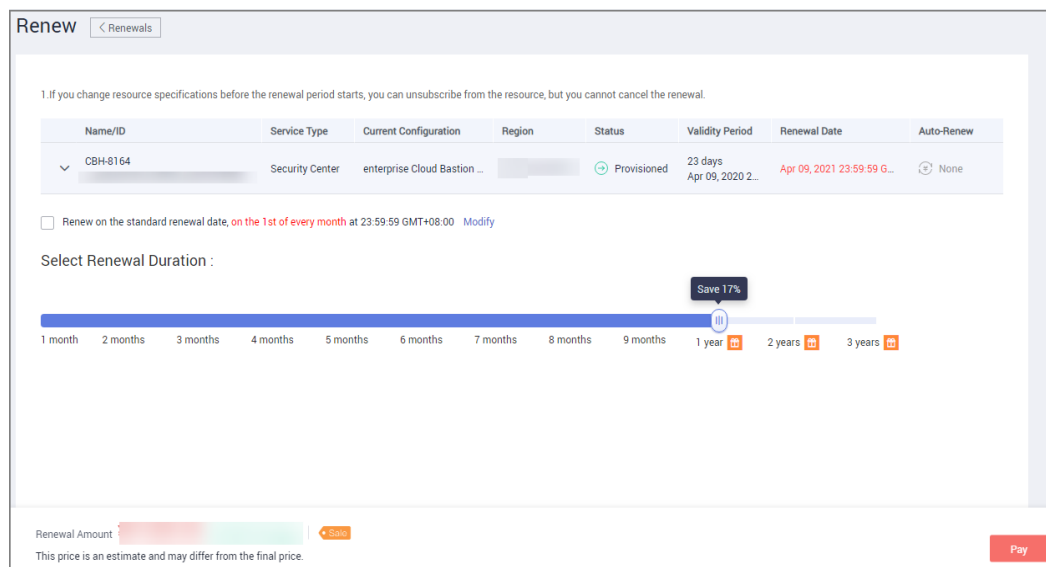
- You have the CBH operation permissions.
- Access to port 9443 is allowed by the firewall rules and in the outbound direction of the security group to which your CBH instance belongs. Otherwise, the renewal may fail.
- If your CBH instance version is V3.3.2.0 or earlier, [bind an EIP to the CBH instance](#). Otherwise, the renewal may fail.

Manual Renewal

Step 1 Log in to the management console.

- Step 2** Choose **Security & Compliance > Cloud Bastion Host**.
- Step 3** Click the instance to be renewed and choose **More > Renew** in the **Operation** column to go to the page for renewal.
- Step 4** Select the renewal duration as needed.

Figure 10-1 Renewal configuration



- Step 5** Click **Pay** and complete the payment.
- Step 6** Return to the CBH instance list page and check the latest expiration time in the **Billing Mode** column. You can log in to the CBH system in about 5 minutes.

NOTE

After the renewal, the new license will be automatically delivered and deployed in about 5 minutes.

----End

10.2 How Is CBH Billed?

CBH instances can be billed on a yearly/monthly or pay-per-use basis.
CBH instances require elastic IP addresses, which are billed separately.

NOTICE

Currently, the pay-per-use billing mode applies only to the government cloud zone.

10.3 Can I Unsubscribe from a CBH Instance?

If you do not need to use CBH instances anymore, or the configured VPC or security group information for an instance is incorrect, you can unsubscribe from the CBH instance.

You can unsubscribe from a purchased cloud service and apply for a full refund unconditionally within five days of the purchase. Each account can request five-day unconditional full refund for 10 times in a year. Handling fees are required if you unsubscribe from a service over 5 days after it is purchased.

Prerequisites

- You have the CBH operation permissions.
- You have stopped all operations in the mapped CBH system and unbind the EIP from the CBH instance.

Unsubscription Process

To prevent data loss, unsubscribe from a CBH instance by performing the following operations:

1. Before the unsubscription, back up the system configurations by referring to [Backing Up and Restoring System Configurations](#).
2. Unsubscribe from the CBH instance. For details, see [Procedure](#).
3. (Optional only when you have purchased another CBH instance of the same edition as the one you unsubscribed) Restore the new CBH system with system configurations you backed up. For details, see [Restoring System Configurations](#).

NOTE

After you unsubscribe from a bastion host, the residual resources will be automatically cleared at 03:00 the next day. If you want to delete a security group, wait until the residual resources are cleared.

Procedure

- Step 1** Log in to the management console.
- Step 2** Choose **Security & Compliance > Cloud Bastion Host**.
- Step 3** Locate the row where the instance you want to unsubscribe from resides, and click **More > Unsubscribe** in the **Operation** column.
- Step 4** In the **Unsubscribe Instance** dialog box, click **OK**.
- Step 5** Complete the unsubscription.

NOTE

- The EIP can only be unbound when the instance is unsubscribed. If you want to release the EIP, go to the EIP console and release it manually.

----End

10.4 How Is a CBH Instance Billed After I Change Specifications of the Instance?

You can directly change your CBH instance specifications.

The price you need to pay after specification change is the price for the new instance specifications minus the remaining fees for the original instance specifications.

After enabling the specification change function for the CBH instance and backing up system data, you can perform the change as follows: Log in to the CBH management console, choose **More > Change Specifications** in the **Operation** column in the row where the target instance locates. On the displayed page, select the target instance edition and complete the payment. For details, see [Changing Specifications of a CBH Instance](#).

10.5 Will I Be Billed for Upgrading the CBH Software Version?

No.

Upgrading the CBH software version is free, but you will be billed for the extra specifications you obtained by changing specifications.

Log in to the CBH console. In the **Operation** column of the target instance, choose **More > Upgrade**. Upgrade the software version after confirming the instance upgrade message. For details about how to upgrade the version, see [Upgrading a CBH Instance Version](#).

After the software version is upgraded, restart the instance and change the instance specifications as required. For details, see [Changing Specifications of a CBH Instance](#).

10.6 How Do I Increase the CBH Instance Quota?

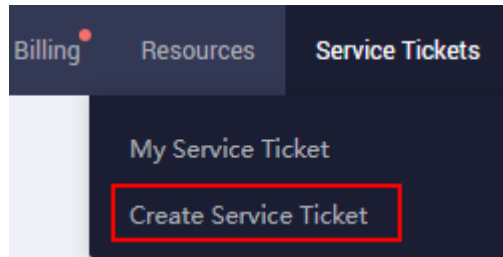
Currently, the default quota of each HUAWEI CLOUD account contains five CBH instances.

If your quota is insufficient during purchase, submit a service ticket to apply for increasing your quota.

Submitting a Service Ticket

Step 1 [Log in to the management console](#).

Step 2 In the upper right corner of the page, choose **Service Tickets > Create Service Ticket**.



Step 3 In the **Products** area, choose **More Products**, and click **Cloud Bastion Host** under **Security & Compliance**.

Step 4 Select a subtype, and click **Create Service Ticket**, and fill in required information.

In the **Problem Description** area, describe what you want and why, provide the **Project ID** of the corresponding region and the number of CBH instance quotas you want to increase.

 **NOTE**

For details about how to obtain the information of **Project ID**, see [My Credentials](#).

Step 5 After all mandatory parameters are configured, select **I have read and agree to the Tenant Authorization Letter** and click **Submit**.

----End