

阿里云 云服务器 ECS

产品定价

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	用于补充说明、最佳实践、窍门等，不是用户必须了解的内容。	 说明： 您也可以通过按 Ctrl + A 选中全部文件。
>	多级菜单递进。	设置 > 网络 > 设置网络类型
粗体	表示按键、菜单、页面名称等UI元素。	单击 确定 。
<code>courier</code> 字体	命令。	执行 <code>cd /d C:/windows</code> 命令，进入Windows系统文件夹。
斜体	表示参数、变量。	<code>bae log list --instanceid</code> <code>Instance_ID</code>
[]或者[a b]	表示可选项，至多选择一个。	<code>ipconfig [-all -t]</code>
{ }或者{a b}	表示必选项，至多选择一个。	<code>swich {stand slave}</code>

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1 預付費轉隨用隨付

建立一台預付費執行個體（包括訂用帳戶和按周付費）後，如果您需要更靈活的計費方式，按實際資源使用量支付費用，您可以將執行個體的計費方式轉為隨用隨付。

轉換計費方式時，您需要注意以下資訊：

- 執行個體的系統盤以及隨執行個體建立的作資料盤用的雲端碟，也從預付費轉為隨用隨付。
- 公網頻寬的計費方式不變。

轉為隨用隨付後，請確保帳戶餘額充足以免發生欠費影響您的使用。若不再使用該執行個體，您可以設定自動釋放時間或者手動釋放，具體操作請參見 [釋放執行個體](#)。

轉換須知

- 每個帳戶每月有最大 **退款額度** 的限制。不同等級會員的最大退款額度不同，以轉換頁面顯示為準。當月退款額度超限後不能再操作退款，下月1號自動清零。

因為計費方式轉換而產生的退款額度，根據執行個體的vCPU數和當前計費周期裡剩餘的小時數來計算，即一個退款單位是 $1 \text{ vCPU} * 1 \text{ 小時}$ 。

例如，購買了一台4 vCPU的執行個體，夠買時長為6個月，使用了4個月後轉為隨用隨付，則該ECS執行個體本次消耗的退款額度為 $4 (\text{vCPU}) * 60 (\text{退款天數}) * 24 (\text{小時/天}) = 5760 (\text{退款額度})$ 。

- 僅退還實付金額到原付款渠道，已使用的代金券和優惠券不予退回。詳細資料請參見 [ECS退款計費說明](#)。
- 若執行個體包含未生效的續費、升級訂單，會全額退款。已生效的訂單會退還部分款項。
- 計費方式轉換後，因備案、故障或機房遷移等原因贈送的使用時長自動作廢。

前提條件

- 待轉換的ECS執行個體和雲端碟的計費方式必須為訂用帳戶或者按周付費。
- 待轉換的ECS執行個體狀態為 **運行中** 或 **已停止**。

操作步驟

1. 登入 [ECS管理主控台](#)。
2. 在左側導覽列中，選擇 **執行個體**。
3. 選擇地域。

4. 選擇需要轉換計費方式的預付費執行個體，在 操作 列，選擇 [更多](#) > [資源變配](#) > [預付費轉隨用隨付](#)。
5. 在轉換頁面上，閱讀轉換須知，並閱讀確認 《*Elastic Compute Service* 服務條款》。
6. 單擊 確認轉換。

轉換成功後，您可以前往ECS管理主控台查看，該執行個體的 付費方式 已變為 按量。同時，單擊執行個體ID進入 執行個體詳情 頁，在左側導覽列中，單擊 本執行個體磁碟，執行個體系統盤以及隨執行個體建立的資料盤（如果有）的 付費方式 也變為 隨用隨付。

FAQ

轉換失敗如何處理？

轉換失敗可能是由以下原因造成的：

- 執行個體目前狀態不支援轉換
- 執行個體當前處於已過期狀態，暫不支援轉換
- 執行個體的資訊發生變化，不允許轉換

如果出現以上明確的錯誤提示，您應該根據錯誤提示調整執行個體。如果問題仍舊存在，請 [提交工單](#)。

新建立的預付費執行個體在**5天**內轉為隨用隨付，屬於**5天**無理由退款嗎？

不屬於。預付費轉隨用隨付後您依舊在使用執行個體。關於5天無理由退款的規則請參見 [5天無理由退款說明#ECS#](#)。

2 Pricing overview

Pricing

For the price information, see the [Pricing](#) page.

Chargeable resources

The price of an ECS instance depends on the following resources:

- Instance types, images, and cloud disks: The price of these resources vary according to the billing method you select. For more information, see [Billing method comparison](#).
 - Instance types: The instance type determines the number of vCPU cores and the size of memory.
 - Images:
 - Public images: Charges apply only for Windows OS images and Red Hat images. Linux or Unix-like OS images are free of charge.
 - Marketplace images: The price is determined by the image supplier.
 - Shared images or custom images: If they are created by using marketplace images, the price is determined by the image provider.
 - Cloud disks: Disks created together with an ECS instance have the same billing method as the ECS instance. Disks created separately are billed according to the [Pay-As-You-Go](#) billing method. For a Pay-As-You-Go cloud disk, after an ECS instance is created, you can [change the instance billing method from Pay-As-You-Go to Subscription](#) in the ECS console. Alternatively, you can [upgrade the Pay-As-You-Go instance configurations](#) to change the billing method.
- Public network bandwidth: If a public IP address is assigned to your ECS instance when you create or upgrade it, you must pay for public network bandwidth. For more information, see [Billing of network bandwidth](#).

**Note:**

VPC-Connected ECS instances can access the Internet by binding an EIP address to them. For more information, see [Billing of EIP](#).

- Snapshots: Snapshots are free of charge.

3 Subscription

For the Subscription billing method, you can use resources only after you have paid for them.

Applicable resources

Currently, Subscription billing is used for the following ECS resources:

- ECS instances, including CPU configuration and memory capacity
- Images
- System disks and/or data disks

If you create an ECS instance that uses Subscription billing, the **Instance Cost** displayed in the lower right of the instance creation page is the total cost of the three resources listed.

Payment methods

You can pay for resources in Subscription mode using either of the following methods:

- Credit card or PayPal account bound to your Alibaba Cloud account. See [Configure your account](#) in *Cite LeftAccount ManagementCite Right* to bind a credit card or PayPal account to your account.
- Coupons for Subscription products.



Note:

Log on to the ECS console and select **Billing Management > Coupon Management** to view the **Applicable Scenarios** of your coupons and check whether the coupons are applicable to Subscription products.

Billing period

Resources in Subscription mode are billed on a monthly basis. The billing period is based on the UTC+8 time zone. It starts from the resource activation time and ends at 00:00:00 on the second day after one month or one year.

For example, if you activate an ECS instance in Monthly Subscription mode at 13:23:56 March 12, 2017, the first billing cycle for the instance ends at 00:00:00 April 13, 2017.

The price unit varies depending on the resource. The following table lists the price units for various resources.

Resource	Price unit
ECS instance	USD/month
Image	USD/month
System disk	USD/(GiB*month)
Data disk	USD/(GiB*month)

To continue using a resource after the billing period has ended, you can renew your ECS instance at the end of a billing period. For more information about the renewal procedure, see [Manual renewal](#) or [Auto-renewal](#).

Status changes after expiration

The status of a Subscription instance after it expires will change depending on whether the auto-renewal feature is enabled.

- **Auto-renewal disabled**

If auto-renewal is disabled, and a Subscription instance is not renewed at the end of the billing period, it goes out of service within the 24 hours from 00:00:00 on the expiration day to 00:00:00 the next day. The status changes of related resources are shown in the following table.

Period	ECS instances and images	System disks	Data disks	Internet IP addresses	Snapshots
On the expiration day	Out of service *, and images are disabled.	Out of service , but data is retained.	Out of service , but data on cloud disks , local disks , or shared block storage devices is retained.	For an instance of the Classic network type: If an Internet IP address is assigned, it is retained. For a VPC-Connected ECS instance : If an Internet IP address is assigned, it is retained. If an EIP address	Retained.

Period	ECS instances and images	System disks	Data disks	Internet IP addresses	Snapshots
				is bound, it is retained.	
15 days after expiration	Released automatically	Released along with the instance, and data cannot be recovered.	By default, cloud disks are released along with the instance and data on them cannot be recovered. If you have set the cloud disks not to be released along with the instance, the disks stop working. Local disks are released along with the instance and data on them cannot be recovered. Shared block storage is detached automatically from the instance.	For an instance of the Classic network type: If an Internet IP address is assigned, it is released. For a VPC-Connected ECS instance: If an Internet IP address is assigned, it is retained. If an EIP address is bound, it is unbound from the instance.	Automatic snapshots are automatically deleted, but those manually created are retained. Manual snapshots are not affected.

* When an instance is **Out of service**, you cannot connect to it, the website deployed on the instance cannot be accessed, and your business operations may be affected.



Note:

You cannot enable the auto-renewal feature for an instance after it expires.

- **Auto-renewal enabled**

If auto-renewal is enabled for an instance, but it fails to be renewed in the specified period, the status changes of the related resources are shown in the following table.

Period	ECS instances and images	System disks	Data disks	Internet IP addresses	Snapshots
Within 15 days of expiration	Running properly*.	Running properly.	Running properly.	Retained.	Retained.
15 days after expiration	The instance goes out of service** at any time within the 24 hours from 00:00:00 on the 15th day after expiration to 00:00:00 the next day.	Out of service , but data is retained.	Out of service , but data is retained.	For an instance of the Classic network type: If an Internet IP address is assigned, it is released. For a VPC-Connected ECS instance : If an Internet IP address is assigned, it is retained. If an EIP address is bound, it is retained.	Retained.
30 days after expiration	Automatically released.	Released along with the instance, and data cannot be recovered.	By default , the cloud disks are released along with the instance . If you set them not to be released along with the instance, they stop working. Local disks are released	For an instance of the Classic network type: If an Internet IP address is assigned, it is released. For a VPC-Connected ECS instance : If an Internet IP address is assigned, it is	Automatic snapshots are automatically deleted, but those that are manually created are retained.

Period	ECS instances and images	System disks	Data disks	Internet IP addresses	Snapshots
			along with the instance. Shared block storage is automatically detached.	released. If an EIP address is bound, it is unbound from the instance.	

* **Running properly** means you can start and stop the instance properly and connect to the instance by using the **Management Terminal** in the console or other remote connection methods.

** When an instance is **Out of service**, you cannot connect to it, the website deployed on the instance cannot be accessed, and your business operations may be affected.

4 Pay-As-You-Go

With the Pay-As-You-Go billing method, you are charged based on the amount of resources you actually use. Pay-As-You-Go allows you to activate and release resources at any time to meet your requirements. You can purchase resources on demand, and scale up as your business grows. Costs can be reduced by 30% to 80% compared to a traditional host investment, with which many resources may be wasted at times.

Applicable resources

Currently, the Pay-As-You-Go billing method is applicable to the following ECS resources:

- ECS instances, including CPU configuration and memory capacity
- Images
- System disks and/or data disks

If you create an ECS instance that uses the Pay-As-You-Go billing method, the **Instance Cost** displayed in the bottom of the instance creation page is the total fee for the preceding three types of resources.

You can make following changes after activating Pay-As-You-Go resources:

- Resource configuration change:

You can change the instance types, including CPU configuration and memory capacity, after you create an instance. For more information, see [Change configurations of Pay-As-You-Go instances](#).

- Billing method change:

Instances, system disks, and data disks support switching from Pay-As-You-Go billing to Subscription billing. For more information, see [Switch from Pay-As-You-Go to Subscription billing](#).

Payment methods

You can use a credit card or a PayPal account linked to your Alibaba Cloud account to pay for Pay-As-You-Go resources. For more information, see [Add a payment method](#).

**Note:**

If you are using PayPal as the payment method after activating a Pay-As-You-Go resource and place an order, Alibaba Cloud preauthorizes on your PayPal account.

Billing period

A Pay-As-You-Go resource is billed by the second after it is created, and billing stops after it is released.

For a VPC instance, you can enable the [no fees for stopped instances feature](#). When the feature is enabled, a VPC instance is not billed when it is in a **Stopped** status. This feature is only available for instances, and not for other ECS resources.

The billing cycle varies depending on the resource types. The minimum charge for the lifecycle of an ECS instance (from creation to release) is USD 0.01.

Item	Instances + Images	System disks	Data disks
Billing cycle	One second	One second	One second
Price unit	USD/hour	USD/(GiB * hours)	USD/(GiB * hours)

Settlement cycle

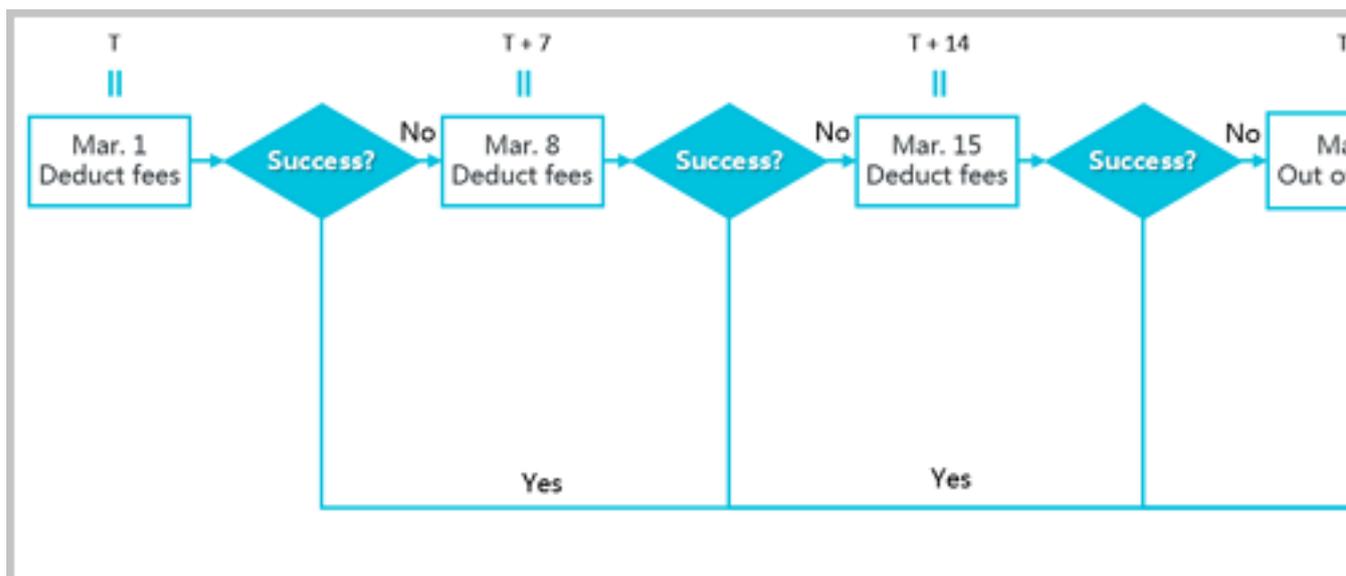
Pay-As-You-Go resources are billed by the second, but settled by the hour. Note the following:

- Payments for Pay-As-You-Go resources are settled together with other products under your account that are billed after you use them.
- Generally, if the cumulative monthly consumption amount of your account is less than 1,000 USD, fees are deducted on the first day of the following month.
- If you have a quota agreement with Alibaba Cloud, fees are deducted when the cumulative consumption amount of your account exceeds the quota.

Cumulative consumption amount	Due date (T)	Fee deduction day	Description
Cumulative monthly consumption amount less than 1,000 USD.	The first day of the following month.	T, T+7, and T+14	<ul style="list-style-type: none"> • In the event of deduction failure on the due date (T), the system attempts to deduct fees again on the day T+7 and the day T+14. • If fee deduction fails three times, the instance goes
Agreed quota	On the day when the quota is exceeded		

Cumulative consumption amount	Due date (T)	Fee deduction day	Description
			<p>out of service on the day T+15. In this case, the instance stops running but data is retained. Billing stops when the instance is out of service.</p> <ul style="list-style-type: none"> • When your instance is out of service, you must open a ticket to clear the overdue payment. After the overdue payment is cleared, you must <i>reactivate the instance</i> before the day T +30. Otherwise, the instance is released automatically. • If the overdue payment fails to be cleared before the day T+30, the instance is released and data cannot be recovered.

- Example: The following flowchart shows the settlement process for a Pay-As-You-Go ECS instance. Assume that the due date is March 1.



Instructions for settlement

- **Settlement period**

- For ECS instances: The active duration is the time during which the ECS instance runs properly, starting from when the ECS instance is activated to when it is released or expires. If the instance is out of service during the active duration due to an overdue payment, billing stops until the payment is cleared.
- For system disks and/or data disks: The active duration is the time during which the disks run properly, starting from when the disks are activated to when they are released.

- **Release rules**

- If payment for an ECS instance is overdue, usage of Pay-As-You-Go cloud disks is restricted, and the cloud disks cannot process I/O read and write requests properly, affecting the normal running of the ECS instance. The impact includes but is not limited to the reduced performance of application read/write, serious time-out of some operations, and power-off or restart failure for some operating system versions.
- ECS instances configured with the automatic release time are automatically released at a specified time.
- Notification of release: In the event of service expiration or overdue payment, the system notifies you by email.

Resource status when an instance is out of service

If you fail to pay for the Pay-As-You-Go resources fees three times in one settlement period, the instance is out of service on the day T+15. When your instance is out of service, you cannot use

the resources normally until you clear the overdue payment. Once the payment is cleared, you must [reactivate the instance](#) within the specified period. The following table lists the status of the related resources once the instance is out of service.

Period	ECS instance and image	System disk + data disks	Internet IP address	Snapshots
Within 15 days of the instance going out of service (T+15 to T+30)	Both stop working .	When the instance is out of service*, the capability of the cloud disks and the local disks is limited. But the data on them is retained.	<ul style="list-style-type: none"> For instances of the Classic network type: The assigned Internet IP address is retained. For VPC instances: If an Internet IP address is assigned, it is retained. If an elastic IP (EIP) address is bound to the instance, it is retained. 	Retained.
15 days after the instance goes out of service (T+30)	Released automatically. You are notified in advance by emails when the resources will be released.	All cloud disks , including system disks and data disks that are created separately or together with the instance, or that are attached to the instance or not, are released automatically. The data cannot be recovered. The local disks are released automatically, and the data on	For instances of the Classic network type: The assigned Internet IP address is released. For VPC instances: If an Internet IP address is assigned, it is released. If an EIP address is bound to the instance, it is unbound automatically.	The automatic snapshots are deleted automatically. The snapshots that are manually created are retained.

Period	ECS instance and image	System disk + data disks	Internet IP address	Snapshots
		them cannot be recovered. If shared block storage is attached to the instance, it is detached automatically, and the data on it is retained.		

* When a Pay-As-You-Go instance is **out of service**, the instance is in an **Expired** status. During the period it is out of service, no fees are incurred.

FAQs

If a Pay-As-You-Go ECS instance is out of service or has stopped running, are fees still incurred?

An instance stops working and is rendered out-of-service when a payment is overdue. When a Pay-As-You-Go instance is out of service, it is in an **Expired** status, and no fees are incurred.

A stopped instance is in a Stopped status and has been stopped [in the ECS console](#) or by using the [StopInstance](#) interface. Billing of a stopped instance varies according to the network type of the instance:

- VPC: You can enable the [No fees for stopped instances \(VPC-Connected\)](#) feature. When this feature is enabled, an instance is not billed when it is in a **Stopped** status. This feature is only available for instances, and not for other resources.
- Classic: An instance continues to be billed even after it is in a **Stopped** status.

5 Billing method comparison

This article describes the pricing, billing methods, and payment methods of an ECS instance.

Pricing

The price of an ECS instance varies according to the following:

- Instance type, including the memory capacity and the number of CPU cores.
- Region: The price for the same instance type varies in different regions.
- Image: Windows images are more expensive than Linux or UNIX images for the same instance type in the same region because Microsoft charges an additional license fee for Windows images.

For more information, see [Pricing](#).

Billing methods

Currently, ECS instances support two billing methods:

- Subscription

A prepaid method that allows you to use an instance only after you make the payment for it. Instance usage is billed on a monthly basis, and the billing unit is USD/month. Subscription is applicable to fixed 24/7 services, such as Web services. For more information, see [Subscription](#).

- Pay-As-You-Go

A postpaid method in which you can pay after using the instance. Instance usage is billed on a minute basis, and the billing unit is US\$/hour. The minimum charge for the lifecycle of an ECS instance (from creation to release) is USD 0.01. Pay-As-You-Go is applicable to scenarios where sudden traffic spikes occur, such as temporary scaling, interim testing, and scientific computing. For more information, see [Pay-As-You-Go](#).

Functions

The functions of an ECS instance vary depending on the billing method. The following table lists the differences between Subscription and Pay-As-You-Go billing.

Function	Subscription	Pay-As-You-Go
Renew	Supported. You can manually renew , activate auto-renewal ,	Not supported.

Function	Subscription	Pay-As-You-Go
	or renew for downgrade for your ECS instance.	
Release instances at any time	Not supported. The instance will be automatically released if it is not timely renewed after the instance expires.	Supported. If you do not need an instance any longer, release it immediately. Otherwise, the instance is still billed even after it is stopped until it is out of service and automatically released because of overdue payment. You can enable the No fees for stopped instances (VPC-Connected) feature.
Change instance specification	Supported. For more information, see Overview of configuration changes .	Supported.
Upgrade bandwidth	Supported. For more information, see Overview of configuration changes .	Supported.
Change billing method	Not supported.	Supported. You can switch from Pay-As-You-Go to Subscription. For more information, see Switch from Pay-As-You-Go to subscription .
ICP Filing for instances in regions inside mainland China	Supported.	Not supported.
Use API to create instances	Supported.	Supported.

Payment methods

The payment methods of an ECS instance vary depending on the billing method.

Currently, you can use credit cards, PayPal, or coupons to pay for instances. Before you purchase an ECS instance, you must add a credit card or PayPal account to your Alibaba Cloud account.



Note:

- For more information about the adding procedure, see [Configure your account](#).

- Purchase of ECS instances in regions inside mainland China requires real-name registration. For more information about real-name registration, see [Real-name Registration for purchase of China mainland ECS](#).

- **Subscription** is a prepaid billing method. Therefore, payment by credit card, PayPal account, or coupons is supported. For more information about billing rules, see [Subscription](#).

To view the billing record for a Subscription instance, log on to the ECS Console and go to **Billing Management > Bills > Subscription**.

- The **Pay-As-You-Go** billing method allows you to use instances first and then pay for the resources you have used. Payment by credit card or coupons is supported. For more information about billing rules, see [Pay-As-You-Go](#).

To view the billing record for a Pay-As-You-Go instance, log on to the ECS Console and go to **Billing Management > Bills > Pay-As-You-Go**.

6 Switch from Pay-As-You-Go to Subscription billing

You can switch the billing method of your instance from Pay-As-You-Go to Subscription in the ECS console. Switching the billing method incurs a fee.

Limits

You can switch up to 20 Pay-As-You-Go instances to Subscription instances at one time.

Prerequisites

The ECS instance you want to switch the billing method for must meet the following requirements:

- The instance type is not a *Generation I* type.
- The instance belongs to your account.
- The instance is in a **running** or **stopped** status.

If an order to switch the billing method has been placed successfully when the ECS instance is in a **running** or **stopped** status, but the instance status changes so it no longer meets the preceding requirement when payment is attempted for the order, the order fails and the billing method is unchanged. You can go to the billing center and pay for the order when the instance is in a running or stopped status again.

- *No timed release is set for the instance.*

If the release time has been set for an instance, you need disable the timed release configuration and then switch the billing method.

- There is no unpaid switch order for the instance.

If an unpaid switch order exists, you must cancel the unpaid order and then place another order to switch the billing method.

Procedure

1. Log on to the *ECS console*.
2. In the left-side navigation pane, click **Instances**.
3. Select a region.
4. Select one or more Pay-As-You-Go instances, and under the instance list, click **Switch to Subscription**.
5. On the **Switch to Subscription** page, click **Batch Change**.

6. In the dialog box, set the **Subscription Plan**, including:

- Duration: You can set the length of service time for the Subscription instance as 1 month or 1 year. Instances executed in batch must have the same length of service time.
- Data Disk (optional): If Pay-As-You-Go data disks are mounted or attached to the selected instances, you can set whether to also switch their billing method to Subscription.

7. Click **OK** to place an order and go to the payment page.

After you make the payment, the operation is complete.

FAQ

What can I do if placing an order fails?

You may be prompted with any of the following error messages:

- The current instance status is not supported to switch.
- Switch is not allowed because the release time has been set for the instance.
- Switch is not allowed because instance information has changed.
- A switch order for the instance has not been paid.

If you are prompted with any of the preceding messages, adjust the instance accordingly.

How long does it take to switch the billing method after I pay for the order?

Currently, one to four seconds are required to switch the billing method of 1 to 20 instances. After the switch, the billing method is changed to **Subscription** in the console.

What can I do if the switch fails?

Please [Open a ticket](#).

Does the billing method for bandwidth change after the switch?

No. Only the billing method of an instance and data disk can be switched.

If I upgrade the configurations of my ECS instance that has an unpaid switch order, is the order still valid?

The order is invalid. A new order is placed when you switch the billing method of an instance from Pay-As-You-Go to Subscription. This new order must be paid. If the instance is upgraded when the order remains unpaid, the order payment cannot then be made because the instance components change and the order does not meet the requirements to switch the billing method. If you still want to change the billing method of the instance, you must cancel the unpaid order and place a new switch order.

7 Renew instances

7.1 Renewal overview

If you want to continue using a Subscription instance after it expires, you must renew the instance within the prescribed period. Otherwise, both the instance and disk are automatically released. The stored data is erased permanently and cannot be recovered. For more information about what happens when a Subscription instance expires, see [Subscription](#).

**Note:**

- You cannot cancel a paid renewal order.
- Pay-As-You-Go instances do not involve renewal. Make sure you have sufficient balance on your linked credit card or PayPal account to cover the costs.

Subscriptions to Alibaba Cloud ECS can be renewed by the following means:

- [Manual renewal](#)
 - The instance configurations cannot be changed at the time of renewal.
 - Renewal cycle: One month or one year.
- [Auto-renewal](#). You can enable the auto-renewal feature for an instance at or after instance creation. The instance is automatically renewed before it expires.
 - The instance configuration is unchangeable at the time of renewal.
 - Renewal cycle: Renewed based on the current billing cycle of the instance.
- [Renewal for Configuration Downgrade](#). You can downgrade the configuration of an instance and its associated resources when renewing the instance. The downgraded configuration takes effect at the start of the next billing cycle, which can reduce the costs.
 - The instance configuration is changeable at the time of renewal.
 - Renewal cycle: One month or one year.

7.2 Manual renewal

Introduction

Manual renewal only applies to instances that use the **Subscription** billing method.

You can manually renew your **Subscription** instances when they are in an **Expired** status or are shut down. You can manually renew your instance for a month or a year. Therefore, if you want to modify the service duration of your Subscription instances, you can choose manual renewal.

- Your instance will still work normally when the instance is in an **Expired** status. If manual renewal is successfully completed within 15 days of the instance expiring, the start of the next billing cycle will be the day the instance expired.

For example, if your instance expired at 00:00:00 on April 25, 2016, but you successfully renewed it for one month on May 9, 2016, the billing cycle for this renewal is from April 25, 2016 to 00:00:00 on May 25, 2016.

- If the instance fails to be renewed within 15 days of expiration, the instance will be shut down.
- After the instance is shut down:
 - Your instance will stop providing services, but your data will be retained for a further 15 days.
 - If the instance is renewed within 15 days of the instance being shut down (within 30 days of the instance expiring), your instance will enter the new billing cycle from the day of renewal, and your data will be retained for the new cycle.

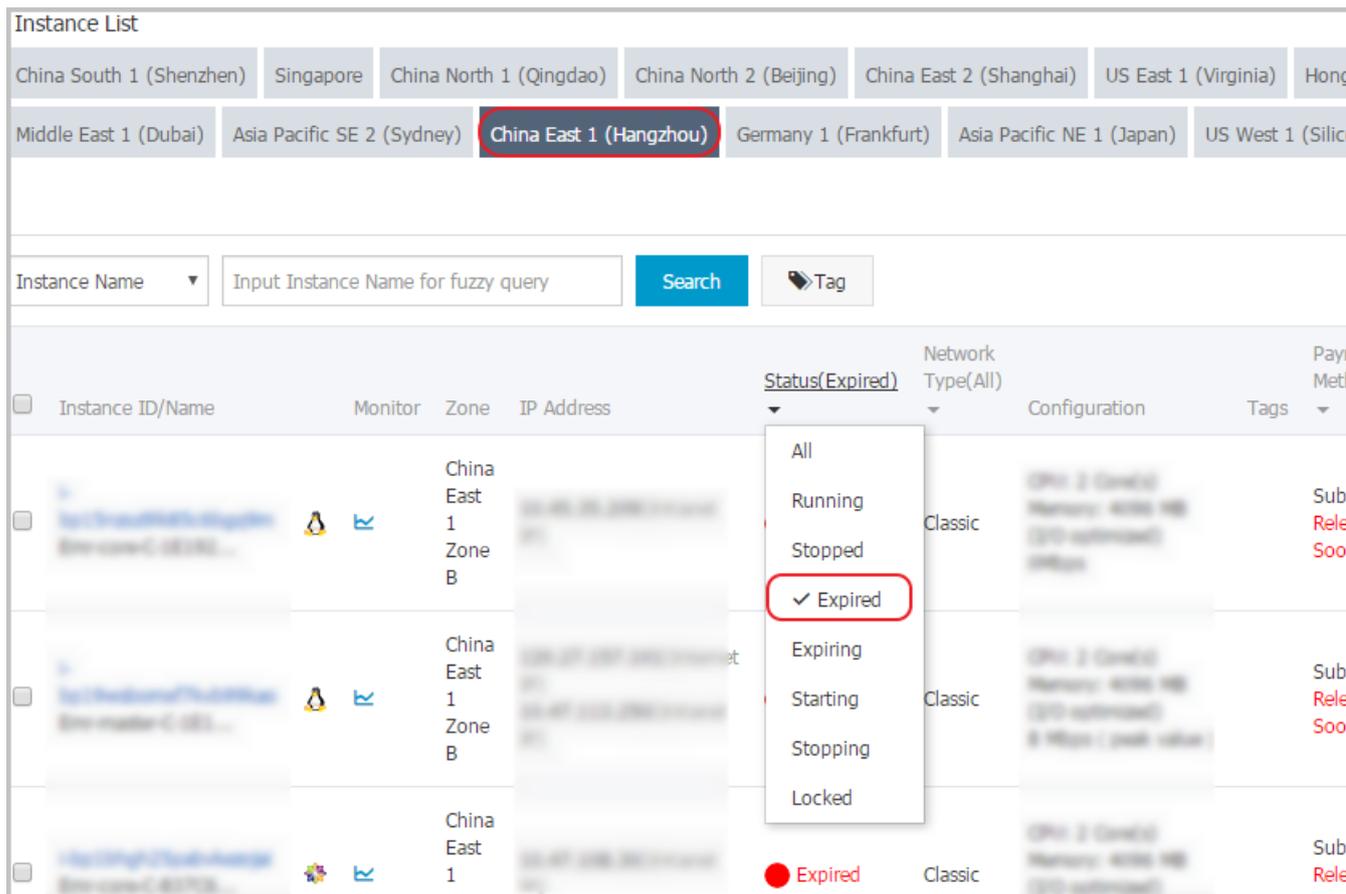
For example, if your instance was shut down at 00:00:00 on May 10, 2016, but you successfully renewed it for one month at 08:09:35 on May 23, 2016, the billing cycle for this renewal is from 08:09:35 on May 23, 2016 to 00:00:00 on June 24, 2016.

- If the instance is not renewed within 15 days of the instance being shut down (within 30 days of the instance expiring), your instance will be automatically released on the 15th day. Your data will be deleted and cannot be restored.

Procedure

To manually renew your instance, follow these steps:

1. Log on to the [ECS console](#).
2. In the left-side navigation pane, click **Instances**.
3. On the **Instance List page**, select the expected region and locate the ECS instance by the instance name, instance ID, or status (**Expired**).
4. In the **Actions** column, click **Renew**.



5. On the renewal page,
 - a. Confirm the instance configuration.
 - b. Select the expected renewal length, which can be **1 Month** or **1 Year**, and click **Place Order**.
6. On the **Pay** page, confirm the order information and click **Pay** to complete the renewal operation.

7.3 Auto-renewal

Auto-renewal service only applies to instances that use the Subscription billing method.

Introduction

If you have activated the auto-renewal service, Alibaba Cloud charges the subscription fee to your linked credit card or PayPal account when the instance expires.

The auto-renewal service can be activated after the ECS instance is purchased and before it expires. It cannot be activated after a Subscription instance expires. Auto-renewal has the following features:

- The monthly subscription service automatically renews the instance on a monthly basis when a monthly subscription instance expires.
- The annual subscription service automatically renews the instance on a yearly basis when a yearly subscription instance expires.

**Note:**

The auto-renewal service does not support switching between monthly subscription and annual subscription. If you want to change the service duration of an instance, you can choose the [Manual renewal](#) service.

After you activate the auto-renewal service:

- You are notified of the imminent expiration of your Subscription instances seven days, three days, and one day before the expiration day (T).
- Alibaba Cloud charges the subscription fee to your linked credit card or PayPal account on the expiration day (T). If payment fails, Alibaba Cloud will try to take payment again on Day 7 (T+6) and Day 15 (T+14). If all the three payment attempts fail, the instance is shut down.
 - If the payment for the subscription is successful, your instance is no longer in an Expired status and the next billing cycle starts from the expiration day.

For example, if your monthly subscription instance expired at 00:00:00 on April 25, 2016, but it was successfully renewed automatically on May 9, 2016, the billing cycle for this renewal is from 00:00:01 on April 25, 2016 to 00:00:00 on May 25, 2016.
 - If all the three payment attempts fail, the instance shuts down 15 days after its expiration day. If the instance shuts down, it stops providing services and you cannot log on or remotely connect to the instance. At this point, you can only choose [Manual renewal](#). If the instance is not renewed within the 15 days after the expiration day, the instance is released and the data stored is lost.
 - If you manually renew the instance before auto-renewal is attempted, your instance is renewed and no auto-renewal is attempted for the current billing cycle. The instance will then be renewed when the current billing cycle ends.
 - Alibaba Cloud sends a notification email to your linked email address for each failed auto-renewal attempt. Therefore, we recommend that you check your inbox frequently so you can keep up to date with the status of your instance and take necessary actions to avoid further business impact.

- Alibaba Cloud takes payment for the auto-renewal of instances between 08:00:00 (UTC+8) and 18:00:00 (UTC+8).

Activate auto-renewal

To activate the auto-renewal service, follow these steps:

1. Log on to the [ECS console](#).
2. At the top of the page, choose **Billing Management > Renew**.
3. In the left-side navigation pane, click **Elastic Compute Service**.
4. On the **Renew** page, select the **Manually Renew** tab.
5. Find an instance, and in the **Actions** column, click **Enable Auto-Renew**.
6. On the **Enable Auto-Renew** dialog box, click **Enable Auto-Renew**.

You can then find the instance by selecting the **Auto-Renew** tab.

Deactivate auto-renewal

To deactivate the auto-renewal service for an instance, follow these steps:

1. Log on to the [ECS console](#).
2. At the top of the page, choose **Billing Management > Renew**.
3. In the left-side navigation pane, click **Elastic Compute Service**.
4. On the **Renew** page, select the **Auto-Renew** tab.
5. Find the instance, and in the **Actions** column, click **Modify Auto-Renew**.
6. On the **Modify Auto-Renew** dialog box, select **Disable Auto-Renew** and click **OK**.

You can then find the instance by selecting the **Manually Renew** tab.

7.4 Renew for configuration downgrade

After a Subscription instance expires, if renewal has not been completed in the required time, the instance is released automatically. In this case, data is lost permanently and cannot be recovered.

To view status changes that occur after Subscription resources expire, see [Subscription](#).

You can use the **Renew for Configuration Downgrade** function to renew a Subscription instance while also lowering its specifications and reducing costs for the next billing cycle.

You can also change the billing method of your data disks from Subscription to Pay-As-You-Go.

Note

Note the following when using Renew for Configuration Downgrade:

- The function allows you to scale down instance specifications at the time of renewal.
- Renew for Configuration Downgrade can only be used for Subscription instances.
- After you renew an instance, the new package is effective from the next billing cycle. The current package continues until the end of the current billing cycle.
- If instance configurations are changed during renewal, you must *restart the instance* within the first seven days of the new billing cycle for the new configurations to be effective. If you restart the instance on the seventh day of the new billing period, the instance is considered to have used the original package for the first six days, and uses the downgraded package only after it is restarted.
- Once the renewal for configuration downgrade is complete, you cannot *upgrade configurations*, *increase the system disk size*, or increase the size of a Subscription data disk, which is attached to a *Linux instance* or a *Windows instance*, during the rest of the current billing cycle.
- You cannot cancel the renewal orders once the payment is processed.

Procedure

To downgrade the configuration of a Subscription instance during renewal, follow these steps:

1. Log on to the *ECS console*.
2. In the left-side navigation pane, click **Instances**.
3. Select a region.
4. Find the Subscription instance. In the **Actions** column, click **Change Configuration**.
5. In the **Configuration Change Guide** dialog box, select **Renew for Configuration Downgrade** and click **Continue**.
6. On the **Renew for Configuration Downgrade** page, complete the following operations as necessary:
 - Downgrade **Instance Type**. If you want to downgrade specifications for an instance, you must also set the **Restart Time** for that instance.



Note:

- Instance specifications that can be changed are displayed on the page. For more information about instance specifications, see *Instance type families*.
- Restarting an instance suspends your business operations on that instance. Please restart the instance during off-peak hours to reduce impact. The restart must be completed within the first seven days of the next billing cycle. However, you cannot

restart an instance during the following periods each week (UTC+8): 12:00 midday Tuesday – 12:00 midday Wednesday, and 12:00 midday Thursday – 12:00 midday Friday.

- If a data disk was created while creating a Subscription instance, you can change the billing method of the data disk to **Pay-As-You-Go**.
- Set the bandwidth value.
- Set the renewal duration.

7. Click **Pay**, and follow the prompts to complete the process.

8. (Optional) If you have changed instance specifications, or changed the public network bandwidth of an instance in a classic network from 0 Mbit/s to a non-zero value for the first time, you must restart the instance *in the console* or by using the *RebootInstance* API within the first seven days of the next billing period. This step is necessary for the new configurations to be effective.

**Note:**

For a VPC instance, the instance does not need to be restarted.

7.5 統一到期日

統一到期日 是指通過續費將不同預付費（訂用帳戶和按周付費）執行個體的到期日統一固定為一個月的某一天。最終續費生效的統一到期日與當前計費周期到期日之間的時間不能少於1個月。如果當前計費周期到期日與最近的統一到期日之間的時間不足1個月，則續費到30天后第一個統一到期日。續費到統一到期日時，系統以按月價格計算續費價格。具體的價格資訊，請參考 [雲產品定價](#)。

舉例：您有2個執行個體，到期日分別為2018-09-10和2018-05-17，設定統一到期日為每個月的1號，那麼，它們將分別續費到2018-11-01和 2018-07-01。

本文描述如何建立或修改執行個體統一到期日，以及如何統一一台或多台執行個體的到期日。

限制

統一到期日 功能有以下限制：

- 僅支援預付費執行個體，包括訂用帳戶執行個體和按周付費執行個體。
- 僅支援未過期的預付費執行個體。

**说明：**

統一到期日時，如果選中的預付費執行個體中包括已經過期的執行個體，則本次操作失敗，您需要先移除已過期的執行個體，或者先 手動續費 過期執行個體，再重新操作。

- 續費訂單支付成功後，不能取消。

應用場景

不同時間建立的預付費（訂用帳戶和按周付費）執行個體到期時間不同，需要單獨記憶，增加了財務管理成本，也提高了因為忘記續費而造成應用停止、資源被釋放的風險。您可以使用 統一到期日 功能，將多台預付費執行個體的到期日對齊到一個月的某一天，方便管理續費時間。

建立或修改統一到期日

按以下步驟新建一個統一到期日，您也可以按同樣的步驟修改統一到期日：

1. 登入 [ECS管理主控台](#)。
2. 在頂部導覽列裡，選擇 費用 > 續費管理。
3. 在 續費管理 頁面上，在左側導覽列裡，單擊 雲伺服器。
4. 在 **Elastic Compute Service** 列表右上方，單擊 統一到期日設定。
5. 選擇統一到期日，並單擊 保存設定。

設定成功後，刷新頁面，頁面上方會顯示資訊：當前統一到期日為：每個月x號0點。其中，**X**為您選擇的到期日。

統一一台或多台執行個體的到期日

前提條件

您必須已經 設定了統一到期日。

操作步驟

按以下步驟統一預付費執行個體的到期日：

1. 登入 [ECS管理主控台](#)。
2. 在左側導覽列中，單擊 執行個體。
3. 選擇地域。
4. 選中一個或多個需要統一到期日而且符合 [限制條件](#) 的執行個體。
5. 在列表底部，選擇 更多 > 統一到期日。
6. 在 統一到期日 頁面上，單擊 統一到期日。
7. 在彈出對話方塊裡，選擇統一到期日（如每個月1號）後，單擊 確定。

8. 在 统一到期日 頁面上，確認費用後，單擊 確定，並按頁面提示完成操作。



说明：

如果是已過期的執行個體，費用 一欄不會顯示資訊，您可以選擇以下任一種操作：

- 在 操作 列中單擊 移除，移除已過期執行個體，不執行本次统一到期日操作。
- 先 手工續費 過期執行個體，再重新统一到期日。

如果不移除已過期執行個體直接统一到期日，操作會失敗。

8 No fees for stopped instances (VPC-Connected)

Overview

The No fees for stopped instances (VPC-Connected) feature means you do not have to pay for a VPC-Connected Pay-As-You-Go instance after you stop it either in the ECS console, by using the StopInstance interface, or by using Alibaba Cloud CLI.



Note:

If you stop the instance in other ways, for example, in the OS, the instance is still billed even if the No fees for stopped instances (VPC-Connected) feature is enabled.

Applicable resources

The No fees for stopped instances (VPC-Connected) feature is only applicable to VPC-Connected Pay-As-You-Go instances.

This No fees for stopped instances (VPC-Connected) feature is not applicable to the following ECS resources:

- All instances with local disks, including but not limited to d1ne, d1, i2, i1, gn5, and ga1 instances.
- Cloud disks attached to the instances (including system disks and data disks), Internet bandwidth, elastic IP (EIP) addresses, and images. After the **No fees for stopped instances (VPC-Connected)** feature is enabled, billing of these resources continues when the instance is stopped. For more information about billing, see [Pay-As-You-Go](#), [Cloud disk pricing](#), [Billing of network bandwidth](#), [Bandwidth pricing](#), and [EIP pricing](#).
- New VPC-Connected Pay-As-You-Go instances that are in a **Stopped** status after they are created, but before they enter a **Running** status.
- Instances that are stopped because of overdue payment. In this case, billing also stops. The computing resources and public IP address will be released too. You can [reactivate your instance](#) and its related resources only after the overdue payment is cleared. Billing of all resources resumes after your instance is successfully reactivated.
- Pay-As-You-Go instances in classic networks. After such an instance enters the **Stopped** status, Alibaba Cloud continues to bill the instance and its related resources. The public and private IP addresses of the instance remain unchanged after the instance is started.

Other effects

The **No fees for stopped instances (VPC-Connected)** feature has the following effects on your instance when the feature is enabled and the instance is stopped:

- The CPU and RAM are released, so you may be unable to start your instance next time. If this happens, try again after some time.
- If the instance has been assigned a public IP address, the address is released. After you start your instance in the [ECS console](#) or by using the [StartInstance](#) interface, your instance is assigned a new public IP address. However, its private IP address remains unchanged.
- When a t5 instance is stopped, the existing CPU credits are valid but credit accumulation stops. When it starts, CPU credits continue to accumulate.

When you perform the following operations, the instance must be in a stopped status until the operation is complete:

- [Replace the system disk \(ReplaceSystemDisk\)](#)
- [Roll back a disk \(ResetDisk\)](#)
- [Reinitialize a disk \(ReInitDisk\)](#)
- Other O&M operations

You can perform any of the following actions to make sure that your instance starts successfully:

- Log on to the [ECS console](#) to disable the **No fees for stopped instances (VPC-Connected)** feature. For more information about the procedure, see [Disable the feature](#).
- If you are using APIs or Alibaba Cloud CLI, set `StoppedMode = KeepCharging` in the [StopInstance](#) interface.

Enable the feature

You must manually enable the **No fees for stopped instances (VPC-Connected)** feature. Once the feature is enabled, it applies to all VPC-Connected Pay-As-You-Go instances in all the regions under your account.

If the feature is enabled and you want to keep fees for a VPC-Connected Pay-As-You-Go instance when you stop it, you can select the **Keep Instance with Fees** option when you stop the instance.

If you already have one or more VPC-Connected Pay-As-You-Go instances in use, this feature is not automatically enabled.

To enable the feature, follow these steps:

1. Log on to the [ECS console](#).
2. In the left-side navigation pane, click **Overview**.
3. In the upper-right corner of the **Overview** page, click **Settings**.
4. Toggle **Enable "No Fees for Stopped Instances" for VPC-Connected Instances in All Regions**, read the note in the dialog box, and then click **No Fees for stopped instances (VPC-Connected)**.
5. Click **OK**.

After the feature is enabled, you can disable it as needed. For more information, see [Disable the feature](#).

Disable the feature

You can disable the **No fees for stopped instances (VPC-Connected)** feature as needed. This operation takes effect for all the VPC-Connected Pay-As-You-Go instances in all the regions under your account, and so you should proceed with caution.

After the feature is disabled:

- The VPC-Connected Pay-As-You-Go instances in all the regions under your account are still billed even after they are stopped.
- An instance currently in a **Stopped** status is not billed. After it is started:
 - A new public IP address is assigned if it had one before it was stopped.
 - The EIP address remains unchanged if it is not unbound before the instance was stopped.
- When an instance enters a newly **Stopped** status:
 - The instance is still billed.
 - If it has been assigned a public IP address, the address is retained and remains unchanged.

To disable the feature, follow these steps:

1. Log on to the [ECS console](#).
2. In the left-side navigation pane, click **Overview**.
3. In the upper-right corner of the **Overview** page, click **Settings**.
4. Disable **Enable "No Fees for Stopped Instances" for VPC-Connected Instances in All Regions**, read the note in the dialog box, and then click **I Agree**.
5. Click **OK**.

9 Billing of network bandwidth

Alibaba Cloud only supports postpaid billing for ECS instance Internet bandwidth, which is called **PayByTraffic**. Alibaba Cloud collects the fees on an hourly basis according to actual traffic usage, regardless of ECS instance billing methods and network types. Network bandwidth prices vary among regions. For more information about pricing, see [Pricing of Elastic Cloud Server](#).



Note:

Alibaba Cloud does not charge any fee on intranet traffic.

Internet bandwidth types

The following table lists Internet bandwidth types and related information for ECS instances.

Internet bandwidth types	Definition	Bandwidth limit	Increase bandwidth limit
Outbound bandwidth	The bandwidth for outbound traffic from ECS instances . For example, your ECS instances provide external access or you want to download internal resources from the ECS instances by using an FTP client.	<ul style="list-style-type: none"> For Subscription instances, the maximum speed is 200 Mbit/s. For Pay-As-You-Go instances, the maximum speed is 100 Mbit/s. 	Open a ticket to increase the bandwidth limit to 200 Mbit/s for a Pay-As-You-Go instance.
Inbound bandwidth	The bandwidth for inbound traffic to ECS instances. For example, you want to download resources for external networks from inside the ECS instance, or upload resources to ECS instances by using an FTP client.	The maximum speed is 200 Mbit/s.	The limit cannot be increased.

Alibaba Cloud only charges fees for outbound traffic usage. The fee is calculated on an hourly basis and the billing unit is USD/GB. To prevent high charges because of sudden traffic spikes, you can set a peak value for outbound bandwidth while creating an instance.

**Note:**

Traffic between ECS instances on the same LAN is free of charge.

Purchase Internet bandwidth

You can use different methods to purchase Internet bandwidth for different Internet access modes:

- If an ECS instance needs to access the Internet by using its own Internet IP address, you must purchase Internet bandwidth while creating the instance.

How to purchase: When [creating an ECS instance](#), in the **Network Billing Method** section, select **Assign public IP**.

- If your ECS instance is in a VPC network and you want to use an EIP (Elastic IP address) to access the Internet, you only need to purchase the EIP service. For more information about the EIP service, see [EIP address related documentation](#).

**Note:**

If your ECS instances access the Internet by using an EIP address, you must not select **Assign public IP** when you create an instance.

Payment options

You can pay for Internet bandwidth by using any of the following payment options:

- Credit card or a PayPal account bound to your account.
- A data transfer plan. You can purchase a plan and deduct the traffic usage from it. For more information about data transfer plans, see [SSD Cloud Server ECS Starter Package Plan](#).

Bill calculation example

Suppose that the average bandwidth of your ECS instance in an hour is 0.5 Mbit/s and the bandwidth price is USD 0.081 per GB. You must pay the following amount for the hourly traffic:

$$[(0.5 * 60 * 60) / 1024 / 8] \text{ GB} * 0.081 \text{ USD/GB} = 0.018 \text{ USD}$$

**Note:**

In this example, for simplicity, it is assumed that the outbound traffic each second is 0.5 Mbit (the average bandwidth of the ECS instance). For actual calculations, you can go to **Billing Management > Usage Records** to download the usage history of Elastic Compute Service (ECS) - Pay-As-You-Go.

10 快照計費

您需要在ECS 管理主控台的 快照 管理頁面上開通快照服務，才能正常使用快照服務。

從 2017 年 3 月 28 日開始，快照服務將按照每個磁碟的快照所佔的儲存容量來收取快照服務費用。

快照容量

快照是在某個時間點，對整個磁碟資料狀態的捕捉。在建立快照的過程中，通過消除空塊的操作，使得單個快照容量小於磁碟容量。阿里雲會識別出從未寫入過資料的磁碟空間，並標記為空塊，不進行計量，以節省使用者的快照空間。因此，只要客戶未曾將磁碟容量全部寫滿，單個快照的容量是小於磁碟容量的。

阿里雲會按每個磁碟的快照所佔的儲存容量來收取快照服務費用。

舉例：某使用者有一塊 40 GiB 的資料盤，盤內實際寫入資料量為 20 GiB：

- 第一次快照為全量快照，因為在建立快照過程中會消除空洞，因此快照容量小於 40 GiB。
- 第二次快照為增量快照，快照容量等於兩次快照時間點之間變化的資料量。具體快照原理請參考 [增量快照機制](#)。

收費範圍

快照服務的收費範圍包括自動快照和手動快照的整個生命週期。

快照的生命週期是指快照容量從被建立完畢到被（自動或手動）釋放之間的時長，單位為小時。



說明：

- 系統不會自動刪除手動快照。所以，只要您不刪除手動快照，它們就會一直佔用儲存容量，並一直計費。
- 如果您沒有禁止自動快照隨磁碟釋放，那麼，當您手動釋放一個磁碟、磁碟隨執行個體釋放或者更換系統盤時，這個磁碟的自動快照就會被自動刪除，它們所佔用的儲存空間就會被釋放，此時會停止計費。
- 當一塊磁碟的快照額度已滿（達到 64 個）時，系統就會按建立時間由遠到近地自動刪除自動快照，即建立最早的自動快照最先被刪除，從而釋放更多快照儲存空間。

結算周期

阿里雲以小時為單位整點結算快照費用（以 UTC +8 為準）。結算時，如果您的快照容量存在時長不足 1 小時，會按 1 小時計費。

快照服務費用計算公式

阿里雲按以下公式計算一個磁碟的快照服務費用：

快照服務費用 = 快照容量 * [快照容量生命週期] * 單價

其中，

- 快照容量：一個磁碟所有快照佔用的儲存容量，精確到小數點後兩位，單位為 GiB。
- [快照容量生命週期]：按整點換算的快照容量生命週期，只能是整數，小數點後有數即進位，單位為小時。
- 單價：請參考 [雲伺服器快照服務詳細價格資訊](#)。

舉例：

某個使用者賬戶下共計有三塊雲端碟，在 10:00–11:00 期間，這三塊雲端碟對應的快照鏈大小分別是 15 GiB、22 GiB 和 40 GiB，那麼，在 10:00–11:00 期間：

- 快照鏈總容量為：15 GiB + 22 GiB + 40 GiB = 77 GiB。
- 使用者需要支付的快照費用為：77 GiB * 0.000205556 元/GiB/小時 = 0.01583 元，賬單詳情上會保留小數點後 3 位，即 0.016 元。
- 實際扣費金額保留小數點後 2 位，即 0.01 元。

更多快照商業化資訊可以參考 [快照商業化 FAQ](#)。

11 退款

訂用帳戶ECS資源支援退款，具體操作，請參見《財務》文檔 [退款規則及退款操作](#)。按周付費不支援五天無理由退款。

隨用隨付ECS資源不需要退款，您可以按業務需求隨時 [釋放執行個體](#) 或 [釋放雲端碟](#)。