

Flexus L Instance

Service Overview

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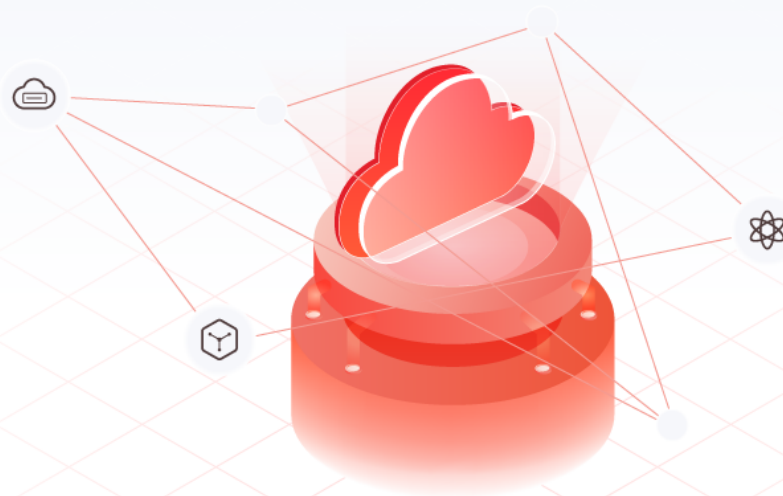
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1 FlexusL Infographics



Getting to Know Huawei Cloud Flexus L Instance

Enjoy lightweight servers on the cloud



Huawei Cloud Flexus L Instance (FlexusL) is a lightweight cloud server ready for use out-of-the-box. Designed for small and medium-sized enterprises and developers, FlexusL provides a range of images for you to choose from and helps you quickly deploy and manage applications such as e-commerce websites, web applications, and mini programs.

>> Advantages <<

No Frame Freezing

- Huawei Cloud QingTian architecture (hardware-software synergy) and top-flight AI algorithms provide superb compute performance.
- Huawei Cloud KooVerse delivers ultra-low data transmission latency.



Cost-Effective

- Service packages give you great performance at a price you can afford.
- There are multiple instance specifications, so you can always find a good match for your performance needs without breaking the bank.
- You can benefit from the upgraded technology to reduce your costs.



2 What Is FlexusL?

Introduction

Huawei Cloud Flexus, the next-generation out-of-the-box cloud service product, is designed for small- and medium-sized enterprises (SMEs) and developers. Flexus L Instance (FlexusL) is a cloud server product in the Huawei Cloud Flexus family.

FlexusL is a next-generation lightweight cloud server designed for SMEs and developers. FlexusL provides a range of images for you to choose from and is suitable for light-load scenarios such as website setup, development and testing environment, enterprise applications, website analysis, and audio and video scenarios. It is secure, cost-effective, and easy-to-use.

FlexusL is suitable for new users of cloud computing services, individual developers, and small and medium-sized enterprises that want to deploy simple applications on cloud servers.

FlexusL Advantages

- Multiple high-quality application images are provided with templates preconfigured for easy application deployment.
- A one-stop resource management console makes O&M easy. Visualized management centrally displays all your resources, from the global to the region, for easy O&M.
- Huawei Cloud QingTian architecture with hardware-software synergy and top-flight AI algorithms ensure that there is no freezing and the latency is extremely low when users are playing games and audios or videos.
- You can also purchase service packages to enjoy great performance at lower prices than if you purchased the services separately.

Application Scenarios

FlexusL is designed for lightweight and light-load scenarios, such as small websites, web applications, blogs, forums, and cloud development environments.

- E-commerce store management: quickly setting up and managing e-commerce stores and providing stable, high-quality services for customers around the globe

- Website setup: using application templates to quickly build websites, such as enterprise official websites, news, blogs, forums, and e-commerce websites
- Mini game development: quickly rolling out standalone PC games and casual games with stable performance
- Development and testing: running development and testing projects and scheduled and automatic tasks on the cloud
- Cloud-based learning: conducting experiments, writing papers, and studying on the cloud
- Blog and forum setup: creating blogs and forums for individual developers easily and cost-effectively

Resources

A FlexusL instance is a package of resources that include cloud servers, EVS disks, EIPs, CBR vaults, and HSS. They can provide compute, network, storage, image installation, and backup capabilities. Resources that can be packaged in a FlexusL instance are listed in the following table. For details about instance specifications, see [Instance Specifications](#).

Resource	Description
Cloud server	A cloud server uses the x86 architecture and KVM virtualization. It uses the same underlying hardware resources and delivers the same compute performance as an ECS with the same specifications.
Image	FlexusL provides OS images, application images, and private images for you to choose from.
Network	<ul style="list-style-type: none">• A fixed elastic IP address (EIP) is assigned to a FlexusL instance and a monthly data package is provided by default.• By default, a fixed private IP address (192.168.x.x) is allocated to a FlexusL instance.
Elastic Volume Service (EVS) disk	EVS provides storage space for FlexusL instances.
Cloud Backup and Recovery (CBR) vault	You can use CBR to back up all EVS disks (including system and data disks) and restore data from backups.
Host Security Service (HSS)	With intrusion detection, vulnerability management, baseline inspection, and asset management functions, HSS makes it easier to control host security risks.
Cloud Eye	After you purchase a FlexusL instance, Cloud Eye is enabled by default. It can monitor the cloud servers, EVS disks, and CBR vaults packaged in the FlexusL instances.

Billing

A FlexusL instance is actually a package of resources. Resources in the package cannot be disassociated from the FlexusL instance. They have the same lifecycle with the FlexusL instance and cannot be renewed or unsubscribed from separately.

NOTE

Resources packaged in a FlexusL instance only refer to the resources purchased on the FlexusL console. Resources purchased on other service consoles (such as CBR or HSS consoles) can be disassociated from FlexusL instances and can be deleted or unsubscribed from separately.

FlexusL only supports the yearly/monthly billing mode. Any traffic usage in excess of the package is billed by traffic. For details, see [Overview](#).

Differences Among Cloud Server Products

Huawei Cloud provides the following cloud server products for you to choose from:

- A FlexusL instance is a package of resources that include cloud servers, EVS disks, EIPs, CBR vaults, and HSS. Resources in the package are created and managed together. FlexusL instances provide various featured application images to help you quickly set up service environments. FlexusL instances are easy to use and friendly to beginners in cloud computing.
- FlexusX is a next-generation flexible cloud server service designed for small- and medium-sized enterprises (SMEs) and developers. FlexusX provides functions similar to what ECS provides. It also supports flexible vCPU/memory ratios. Compared with FlexusL, FlexusX offers more public images and more flexible specifications, and can bear higher workloads.
- An ECS instance is a server that supports high-load scenarios. It provides multiple billing modes, flavor types, image types, and disk types. You can customize ECS configurations for different service scenarios.

For details among their differences, see [What Are the Differences Among FlexusL, FlexusX, and ECS?](#)

Access Modes

You can access FlexusL instances using a web-based management console.

If you have signed up for Huawei Cloud, log in to the management console, choose **Compute** > **Huawei Cloud Flexus** and click **Flexus L Instance** to access the FlexusL console.

If you have not signed up for Huawei Cloud, see [Registering a HUAWEI ID and Enabling Huawei Cloud Services](#).

3 Instance Specifications

This section describes the resources contained in a FlexusL service package.

Instance Specifications

NOTE

A cloud server packaged in a FlexusL instance uses the x86 architecture, KVM virtualization, and the same underlying hardware resources as an ECS. It delivers the same compute performance as an ECS with the same vCPUs and memory.

You can associate EVS disks, HSS, or CBR vaults with your FlexusL instance as needed. After a FlexusL instance is created, a fixed elastic IP address (EIP) is assigned by default. Multiple instance specifications are available. For details, see [Table 3-1](#).

Table 3-1 Instance specifications

vCPUs Memory	System Disk Capacity Type	Peak Bandwidth Data Package	(Optional) Associated Service Resources
2vCPUs 1GiB	40 GiB General Purpose SSD	30 Mbps 2084 GB	The following service resources can be purchased together with FlexusL instances: <ul style="list-style-type: none">• Data disk: General Purpose SSD V2 Custom capacity• HSS: Basic edition• CBR: Server backup Custom vault capacity
2vCPUs 2GiB	60 GiB General Purpose SSD	30 Mbps 3072 GB	
2vCPUs 4GiB	80 GiB General Purpose SSD	30 Mbps 4096 GB	
2vCPUs 8GiB	160 GiB General Purpose SSD	30 Mbps 5120 GB	
4vCPUs 8GiB	240 GiB General Purpose SSD	30 Mbps 6144 GB	

vCPUs Memory	System Disk Capacity Type	Peak Bandwidth Data Package	(Optional) Associated Service Resources
4vCPUs 16GiB	320 GiB General Purpose SSD	30 Mbps 7168 GB	

Rules for using data packages provided by FlexusL are as follows:

- The data package provided by FlexusL is a monthly package. A monthly data package starts on the date of purchase and ends at 23:59:59 on the same day of the next month. For example, if you purchase a FlexusL instance at 10:00:00 on June 5, the expiration time of the package is at 23:59:59 (the last second of the day) on July 5. The package for the next month starts from 23:59:59 on July 5 to 23:59:59 on August 5.
- The data package provided by FlexusL covers the expenditures generated by outbound traffic.
Only outbound traffic (originating from your server) will be billed.
- Service traffic is preferentially deducted from the data package. Any traffic usage in excess of the package is billed by traffic. The excess traffic is billed in tiered pricing mode, and the unit price varies in different regions.
- The traffic quota is reset each month. Any unused portion of the data package cannot be rolled over to the next month.
- After you unsubscribe from or stop a FlexusL instance, no excess traffic will be generated.

The peak bandwidth in the FlexusL package is the peak outbound bandwidth of the public network, that is, the maximum bandwidth for the FlexusL instance to access the Internet.

NOTE

- The peak bandwidth is not used as a service commitment and is only used as a reference for the bandwidth upper limit. If resource contention occurs, the peak bandwidth may be limited.
- Inbound peak bandwidth
 - If the outbound peak bandwidth of a package is not greater than 10 Mbit/s, the inbound peak bandwidth is 10 Mbit/s.
 - If the outbound peak bandwidth of a package is greater than 10 Mbit/s, the inbound peak bandwidth is the same as the outbound peak bandwidth.

4 Billing

4.1 Overview

This section describes the sales mode, billing modes, billing items, package pricing, expiration or arrears, renewal, and unsubscription of FlexusL.

Sales Mode

A FlexusL instance is actually a package of resources. Resources in the package cannot be disassociated from the FlexusL instance. They have the same lifecycle with the FlexusL instance and cannot be renewed or unsubscribed from separately.

NOTE

Resources packaged in a FlexusL instance only refer to the resources purchased on the FlexusL console. Resources purchased on other service consoles (such as CBR or HSS consoles) can be disassociated from FlexusL instances and can be deleted or unsubscribed from separately.

Billing Modes

FlexusL instances only support the yearly/monthly billing mode. 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.

Billing Items

NOTE

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

Billing Item	Description	Billing Mode	Price
* Instance	Computing, storage and networking capabilities vary by instance specifications. You can choose desired specifications based on your service requirements. Billing factors: vCPU/memory, system disk, and data package NOTE Only outbound traffic (originating from your server) will be billed.	Yearly / Monthly	Monthly package price × Required duration
* Image	Images supported by FlexusL instances are free of charge. Billing factor: image	-	Free
Data disk	If you have additional storage requirements, you can purchase data disks. Billing factor: data disk capacity	Yearly / Monthly	Unit price × Required duration
Host Security Service (HSS)	You can enable HSS to protect your FlexusL instances. Billing factor: HSS basic edition	Yearly / Monthly	HSS unit price × Required duration
Cloud Backup and Recovery (CBR)	You can purchase a backup vault to store backups of your FlexusL instance. Billing factor: vault capacity	Yearly / Monthly	Vault capacity unit price × Required duration
Cloud Eye	Cloud Eye basic functions, such as viewing dashboards, creating alarm rules, and adding monitoring items, are free of charge. Cloud Eye may interconnect with other cloud services to provide you with value-added services such as monitoring data file dump and alarm notification. These value-added services may incur extra fees, which are settled by services that provide such functions.	-	Basic functions are free of charge. Value-added services may incur extra fees.

Billing Item	Description	Billing Mode	Price
Excess traffic (optional)	Service traffic is preferentially deducted from the data package. Any traffic usage in excess of the package is billed by traffic. The excess traffic is billed based on a tiered pricing model, and the unit price varies in different regions.	Pay-per-use	Unit price of traffic × Excess traffic volume For details about the unit price of traffic, see EIP Pricing Details . The EIP type is dynamic BGP.

Expiration and Arrears

- Yearly/Monthly FlexusL instances will expire after their validity periods end.
- FlexusL instances come with data packages. Any traffic usage in excess of the package is billed on a pay-per-use basis. When FlexusL instances are associated with other resources that are billed on a pay-per-use basis, these resources are settled periodically. If you do not have a valid payment method configured or your account balance is insufficient, your account will fall into arrears.

The following describes the impacts if your FlexusL instances expire or if your account is in arrears.

Phase	Impact
Grace period	After a FlexusL instance expires or your account is in arrears, the instance enters a grace period. Within the grace period, you can still access and use the FlexusL instance.
Retention period	If you do not renew your FlexusL instance or pay off the arrears before the grace period expires, the instance enters a retention period. During this retention period, you cannot access or use the FlexusL instance, but it is still retained.

After a FlexusL instance enters a grace period or retention period, Huawei Cloud will notify you of this by email or text message. If you do not complete the renewal or payment before the retention period ends, your instance will

be released. To avoid impacting your services, [renew the instance in a timely manner](#).

Renewal

FlexusL instances cannot be used after they expire. If you want to continue using them, renew them before the [retention period](#) ends. Otherwise, your resources will be released and cannot be recovered.

FlexusL is provided as a package. Resources in the package are renewed together. The pricing for renewal is the same as that of a new purchase.

Unsubscription

A FlexusL instance is actually a package of resources. Resources in the package are unsubscribed together. If you unsubscribe from a FlexusL instance, all resources including the EVS disks, cloud backup vault, HSS, and EIP associated with the instance will be released and data cannot be recovered.

Unsubscription includes unsubscribing from resources and unsubscribing from renewal periods. After the unsubscription is successful, you will get a refund.

- Unsubscribing from resources: You can unsubscribe from FlexusL instances (including the renewal period) that are no longer needed. For details, see [Unsubscribing from Resources](#).
- Unsubscribing from a renewal period: If you have renewed a FlexusL instance, you can unsubscribe from the renewal period. When you unsubscribe from a renewal period, you can only unsubscribe from the renewal period that has not yet taken effect. To unsubscribe from the renewal period that has taken effect, you can only unsubscribe from the FlexusL instance. For details, see [Unsubscribing from a Renewal Period](#).

4.2 Renewing a FlexusL Instance

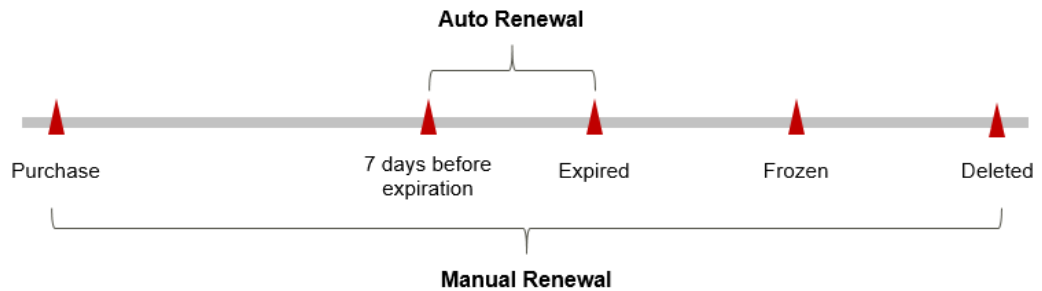
Scenarios

If a yearly/monthly FlexusL instance is about to expire but you want to continue using it, you need to renew the FlexusL subscription within a specified period, or it will be automatically released, and data will be lost and cannot be restored.

Only yearly/monthly FlexusL subscriptions can be renewed. The traffic usage in excess of the data package does not need to be renewed. Just ensure that your account has a valid payment method configured or a top-up account with a sufficient balance.

You can select a method to renew a yearly/monthly FlexusL instance based on the phase it is currently in. For details, see [Figure 4-1](#).

Figure 4-1 Selecting a renewal method based on the FlexusL instance's current phase



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

Notes

- If a resource is renewed when it is in a **grace period or retention period**, the renewal for this resource starts from when the resource expired instead of the current time.
- A FlexusL instance is actually a package of resources. Resources in the package can only be renewed together, not separately.
- Unsubscribed or released resources are not renewable.
- Orders being processed are not renewable.

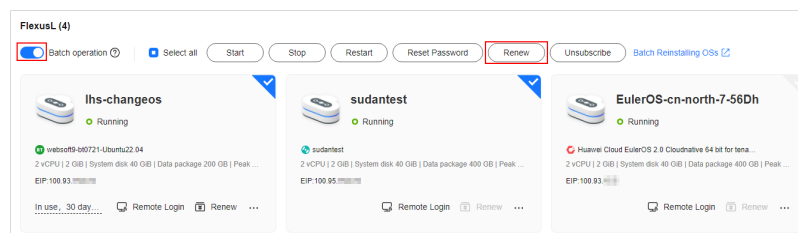
Manually Renewing FlexusL Instances

You can renew a yearly/monthly FlexusL instance on the console anytime before it is automatically deleted. FlexusL supports batch renewal.

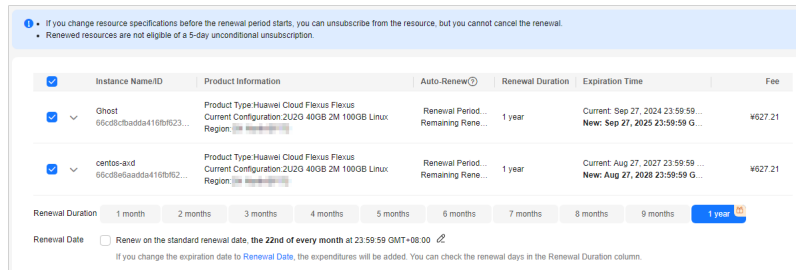
Batch Renewing FlexusL Instances on the Console

1. Log in to the FlexusL [console](#).
2. Enable **Batch operation**, select the FlexusL instances to be renewed, and click **Renew**.

You can also use this method to renew just one FlexusL instance.



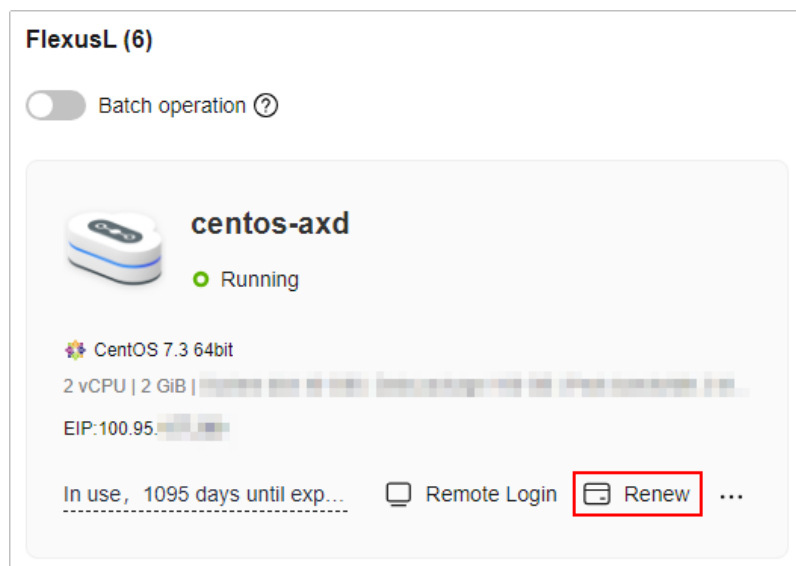
3. View the FlexusL instances to be renewed and click **OK**.
4. Set the renewal configurations, confirm the expected expiration date and price and click **Pay**.



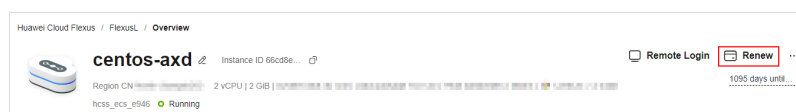
- Select a renewal duration.
 - Select **Renew on the standard renewal date**. For details, see [Setting the Same Renewal Day for Yearly/Monthly Resources](#).
5. Select a payment method and complete the payment.
Once the order is paid for, the renewal is complete.

Renewing a Single FlexusL Instance on the Console

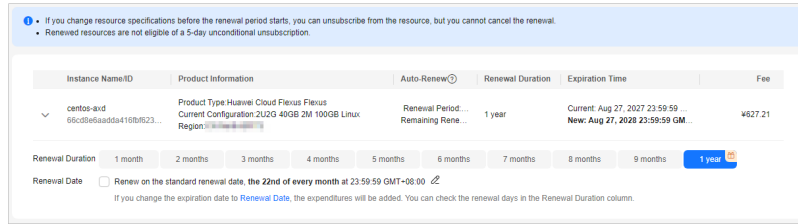
1. Log in to the FlexusL [console](#).
2. Renew a FlexusL instance in either of the following two ways:
 - Method 1: Locate the target instance and click **Renew**.



- Method 2: Click the target instance name. On the displayed page, click **Renew** in the upper right corner.



3. Set the renewal configurations, confirm the expected expiration date and price and click **Pay**.



- Select a renewal duration.
 - Select **Renew on the standard renewal date**. For details, see [Setting the Same Renewal Day for Yearly/Monthly Resources](#).
4. Select a payment method and complete the payment.
Once the order is paid for, the renewal is complete.

Renewing FlexusL Instances in Billing Center

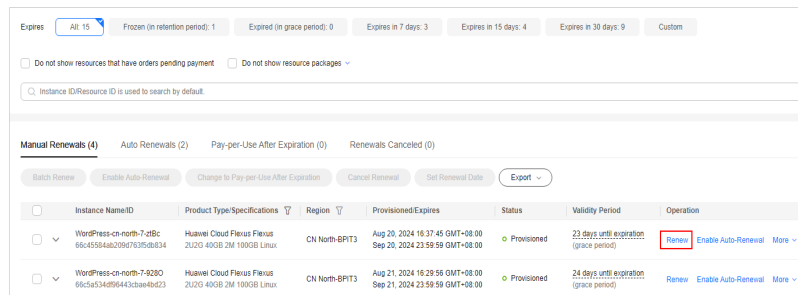
1. Log in to the FlexusL [console](#).
2. In the upper-right corner of the console, choose **Billing > Renewal**.
3. Set the search criteria.

On the **Manual Renewals**, **Auto Renewals**, **Pay-per-Use After Expiration**, and **Renewals Canceled** tabs, you can view the resources to be renewed.

You can move all resources that need to be manually renewed to the **Manual Renewals** tab. For details, see [Enabling Manual Renewal](#).

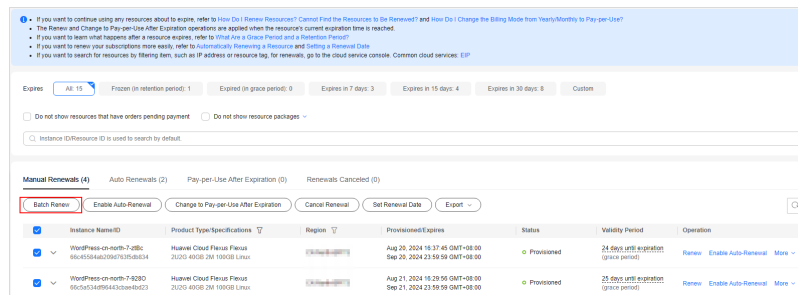
4. Manually renew resources.
 - Individual renewal: Click **Renew** in the **Operation** column for the desired resource.

Figure 4-2 Individual renewal

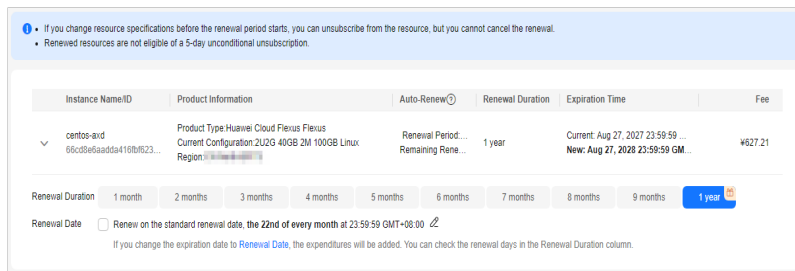


- Batch renewal: Check the boxes for the desired resources, and click **Batch Renew** in the upper left corner.

Figure 4-3 Batch renewal



5. Set the renewal configurations, confirm the expected expiration date and price and click **Pay**.



- Select a renewal duration.
 - Select **Renew on the standard renewal date**. For details, see [Setting the Same Renewal Day for Yearly/Monthly Resources](#).
6. Select a payment method and make your payment. Once the order is paid for, the renewal is complete.

Auto-renewing a FlexusL Instance

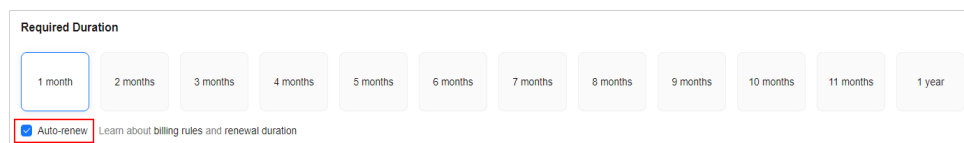
You can enable auto-renew to automatically renew the FlexusL instance before it expires. This prevents resources from being deleted in case you forget to renew a subscription.

Enabling Auto-Renew on the Purchase Page

You can enable auto-renew for your FlexusL instance on the purchase page, as shown in [Figure 4-4](#). For details about how to purchase a FlexusL instance, see [Purchasing a FlexusL Instance](#).

If you select **Auto renew**, monthly subscription is auto-renewed for one month every time and yearly subscription is auto-renewed for one year every time. For example, if you set **Required Duration** to **3 months** and enable auto-renew, your subscription will be automatically renewed for one month before it expires. For more information about auto-renewal rules, see [Auto-Renewal Rules](#).

Figure 4-4 Enabling auto-renew



Enable Auto-Renew for an Existing FlexusL Instance

1. Log in to the FlexusL [console](#).
2. Enable auto-renew in either of the following ways:
 - a. Locate the target instance and choose ******* > **Enable Auto-Renew** in the instance card.
 - b. Click the target instance name. On the displayed page, choose ******* > **Enable Auto-Renew** in the upper right corner.

NOTE

After auto-renew is enabled, you can choose **...** > **Modify Auto-Renew** to modify the auto-renew rules.

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

If auto-renew is enabled on the **Renewals** page, the auto-renew period is subject to the selected renewal period and auto-renew times. For example, if you set **New Auto-Renew Period** to **3 months** and **Auto-renewals** to **Unlimited**, your subscription will be automatically renewed for three months before it expires. For more information about auto-renewal rules, see [Auto-Renewal Rules](#).

NOTE

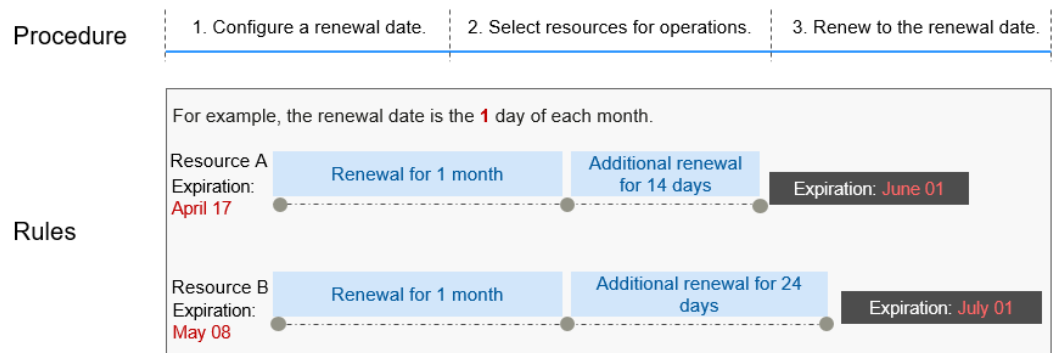
- When the number of times a resource has been auto-renewed for reaches the preset value, the resource will be automatically changed to manual renewal upon expiration.
- Manual renewal does not affect the number of remaining auto-renew times.

Setting the Same Renewal Day for Yearly/Monthly Resources

If the FlexusL instances have different expiry dates, you can set the same renewal day to make it easier to manage renewals.

In [Figure 4-5](#), a user sets the same renewal day for two resources that will expire at different dates.

Figure 4-5 Setting the same renewal day for resources with different expiry dates



For details, see [Setting a Renewal Date](#).

4.3 Unsubscribing from FlexusL Instances

Scenarios

A FlexusL instance is actually a package of resources. Resources in the package are unsubscribed together. If you unsubscribe from a FlexusL instance, all resources including the EVS disks, cloud backup vault, HSS, and EIP associated with the instance will be released and data cannot be recovered.

Unsubscription includes unsubscribing from resources and unsubscribing from renewal periods. After the unsubscription is successful, you will get a refund.

- Unsubscribing from resources: You can unsubscribe from FlexusL instances (including the renewal period) that are no longer needed. For details, see [Unsubscribing from Resources](#).
- Unsubscribing from a renewal period: If you have renewed a FlexusL instance, you can unsubscribe from the renewal period. When you unsubscribe from a renewal period, you can only unsubscribe from the renewal period that has not yet taken effect. To unsubscribe from the renewal period that has taken effect, you can only unsubscribe from the FlexusL instance. For details, see [Unsubscribing from a Renewal Period](#).

Notes

- Before unsubscription, ensure that data on the cloud resources to be unsubscribed from has been backed up or migrated. After unsubscription, resources will be deleted and data cannot be recovered. Exercise caution during unsubscription.
- If an order is paid using the Huawei Cloud account balance or a third-party online payment platform (such as Alipay, WeChat, or e-banking), the refund will be returned to your Huawei Cloud account balance.

Constraints

- Newly purchased FlexusL instances cannot be unsubscribed from immediately. Try later.
- FlexusL instances that are in the [grace period or retention period](#) due to arrears cannot be unsubscribed from. To unsubscribe from such instances, pay off the arrears first. If you still do not pay off the arrears after the retention period has ended, all of your resources will be released.
- FlexusL instances that are frozen due to illegal issues cannot be unsubscribed from.

For more details, see [Unsubscription Not Allowed](#).

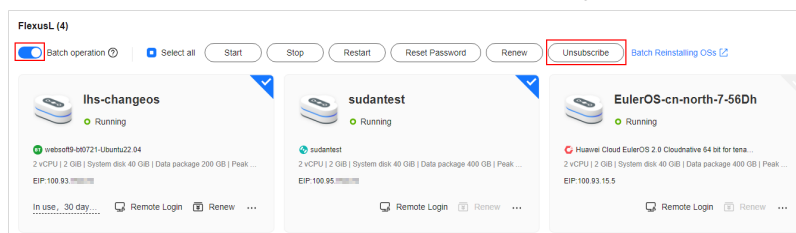
Procedure

You can unsubscribe from just one FlexusL instance or batch unsubscribe from FlexusL instances.

Batch Unsubscribing from FlexusL Instances

1. Log in to the FlexusL [console](#).
2. Enable **Batch operation**, select the FlexusL instances to be unsubscribed, and click **Unsubscribe**.

You can also use this method to unsubscribe just one FlexusL instance.



3. View the FlexusL instances to be unsubscribed and click **OK**.
4. (Optional) Unsubscribe from a resource or a renewal period.

You can unsubscribe from a renewal period only when your FlexusL instances have a renewal period.

- Unsubscribing from resources: You can unsubscribe from FlexusL instances (including the renewal period) that are no longer needed. A FlexusL instance is actually a package of resources. If you unsubscribe from a FlexusL instance, all resources including the EVS disks, cloud backup vault, HSS, and EIP associated with the instance will be released and data cannot be recovered.
- Unsubscribing from a renewal period: If you have renewed a FlexusL instance, you can unsubscribe from the renewal period. When you unsubscribe from a renewal period, you can only unsubscribe from the renewal period that has not yet taken effect. To unsubscribe from the renewal period that has taken effect, you can only unsubscribe from the FlexusL instance.



5. Confirm the unsubscription details and click **Confirm**.

Unsubscribing from a Single FlexusL Instance

1. Log in to the FlexusL [console](#).
2. Unsubscribe from a FlexusL instance using any of the following methods.
 - Method 1: Locate the target instance and choose ******* > **Unsubscribe** in the instance card.



- Method 2: Click the target instance name. On the displayed page, choose *** > **Unsubscribe** in the upper right corner.



3. (Optional) Unsubscribe from a resource or a renewal period.

You can unsubscribe from a renewal period only when your FlexusL instances have a renewal period.

- Unsubscribing from resources: You can unsubscribe from FlexusL instances (including the renewal period) that are no longer needed. A FlexusL instance is actually a package of resources. If you unsubscribe from a FlexusL instance, all resources including the EVS disks, cloud backup vault, HSS, and EIP associated with the instance will be released and data cannot be recovered.
- Unsubscribing from a renewal period: If you have renewed a FlexusL instance, you can unsubscribe from the renewal period. When you unsubscribe from a renewal period, you can only unsubscribe from the renewal period that has not yet taken effect. To unsubscribe from the renewal period that has taken effect, you can only unsubscribe from the FlexusL instance.



4. Confirm the unsubscription details and click **Confirm**.

5 Notes and Constraints on Using FlexusL Instances

This section describes the notes and constraints on using FlexusL.

Quotas

Table 5-1 Quotas

Item	Description
FlexusL	<ul style="list-style-type: none">By default, you can create a maximum of 100 FlexusL instances in total in a region. To increase the quota, submit a service ticket.The number of FlexusL instances you can purchase may not reach 100 because of the quota limits of resources (EIPs, cloud servers, and vCPUs). To increase quotas of resources, submit a service ticket as prompted on the console.
ICP filing	You can apply for up to five ICP filings for a FlexusL instance.

Package Management

Table 5-2 FlexusL package management

Item	Description
Renewal/ Unsubscription	<p>A FlexusL instance is actually a package of resources. Resources in the package are unsubscribed and renewed together. The EVS disk, backup vault, HSS, and data package included in the package cannot be unsubscribed separately.</p> <p>NOTE Resources packaged in a FlexusL instance only refer to the resources purchased on the FlexusL console. Resources purchased on other service consoles (such as CBR or HSS consoles) can be disassociated from FlexusL instances and can be deleted or unsubscribed from separately.</p>
Resource configuration	A FlexusL instance package can have only one data disk, one CBR vault, and one HSS.
Package expansion	Currently, only data disks can be separately purchased and added to FlexusL instances. The system disk, CBR vaults, HSS, and data packages cannot be separately purchased and added to the package.
Package reduction	The EVS disk, CBR vault, HSS, and data package included in a FlexusL instance package cannot be disassociated or unsubscribed separately.
Specification changes	The capacity of the data disk and CBR vault packaged in a FlexusL instance can be expanded separately, but the vCPUs, memory, peak bandwidth, and data package of a FlexusL instance cannot be expanded or reduced separately.

Private Images

Table 5-3 Restrictions on private images of FlexusL instances

Item	Description
Region	The FlexusL instance and private image must be in the same region, or no private image is available for the FlexusL instance. Therefore, create the image in the region where the target FlexusL instance resides.
Server architecture	Only x86 is supported.

Item	Description
Image type	<p>Only system disk private images are supported. Data disk private images and full-server private images are not supported.</p> <ul style="list-style-type: none">Linux system disk images only support the following image sources: free Huawei Cloud public Linux images, images created from FlexusL instances that are created using application images, and third-party private images you have imported. Other billed Linux images created from KooGallery images are not supported.Windows system disk images with the Bring Your Own License (BYOL) license are supported. <p>NOTE FlexusL instances do not support full-server images. If you want to migrate an entire server to a FlexusL instance, use Server Migration Service (SMS). For details, see Migrating Servers Using Server Migration Service (SMS).</p>
Password reset plug-in	<p>If a private image is created from a server on another cloud platform or downloaded from a third party, the private image may fail to be used to create a FlexusL instance or change the OS of an instance because the password reset plug-in is not installed on the image or the <code>onekey_resetpasswd</code> tag is missing. For details, refer to What Should I Do If a Private Image Cannot Be Used to Create a FlexusL Instance or Change the OS of an Instance Because the Password Reset Plug-in Is Not Installed on the Image or the onekey_resetpasswd Tag Is Missing?</p>

Network

Table 5-4 Restrictions on networks of FlexusL instances

Item	Description
Public network	<ul style="list-style-type: none">By default, an EIP is assigned for a FlexusL instance. It cannot be changed and will not be retained after the instance is released.FlexusL instances do not support IPv6 addresses.
Private network	<ul style="list-style-type: none">The VPC cannot be changed after a FlexusL instance is created.By default, a private IP address is assigned for a FlexusL instance. The assigned private IP address cannot be changed and will not be retained after the instance is released.

Item	Description
Peak bandwidth	The peak bandwidth cannot be upgraded separately.
Data package	Data packages cannot be purchased or upgraded separately.

EVS Disks

Table 5-5 Restrictions on EVS disks of FlexusL instances

Item	Description
System disk	<ul style="list-style-type: none">• Only General Purpose SSD disks are supported.• System disks cannot be added.• An existing system disk cannot be attached.• System disks cannot be expanded separately. You can expand the system disk capacity by upgrading the instance specifications. For details, see Upgrading a FlexusL Instance.• System disks in FlexusL instances cannot be detached.
Data disk	<ul style="list-style-type: none">• Only General Purpose SSD V2 disks are supported.• Only one data disk can be added.• Existing data disks cannot be attached to FlexusL instances.• The capacity of data disks only can be expanded. It cannot be reduced.• Data disks in FlexusL instances cannot be detached.

Backups

Table 5-6 Restrictions on backups of FlexusL instances

Item	Description
CBR	FlexusL instances only support server backup vaults.
Snapshot	FlexusL instance data cannot be rolled back using EVS disk snapshots on the FlexusL console. To back up and restore server data, use CBR. For details, see Backing Up and Restoring a FlexusL Instance .