# Alibaba Cloud

Hologres Pricing

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# **Document conventions**

Style	Description	Example	
A Danger	A danger notice indicates a situation that will cause major system changes, faults, physical injuries, and other adverse results.	Danger: Resetting will result in the loss of user configuration data.	
O Warning	A warning notice indicates a situation that may cause major system changes, faults, physical injuries, and other adverse results.	Warning: Restarting will cause business interruption. About 10 minutes are required to restart an instance.	
디) Notice	A caution notice indicates warning information, supplementary instructions, and other content that the user must understand.	Notice: If the weight is set to 0, the server no longer receives new requests.	
⑦ Note	A note indicates supplemental instructions, best practices, tips, and other content.	? Note: You can use Ctrl + A to select all files.	
>	Closing angle brackets are used to indicate a multi-level menu cascade.	Click Settings> Network> Set network type.	
Bold	Bold formatting is used for buttons , menus, page names, and other UI elements.	Click OK.	
Courier font	Courier font is used for commands	Run the cd /d C:/window command to enter the Windows system folder.	
Italic	Italic formatting is used for parameters and variables.	bae log listinstanceid Instance_ID	
[] or [a b]	This format is used for an optional value, where only one item can be selected.	ipconfig [-all -t]	
{} or {a b}	This format is used for a required value, where only one item can be selected.	switch {active stand}	

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# 1.Billing methods

This topic describes the billing methods of Hologres and how to estimate costs when the billing methods are used.

#### Terms

• storage space

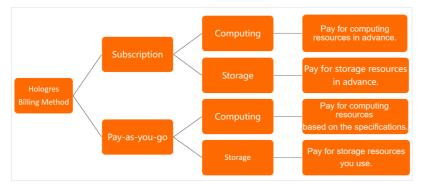
Storage space refers to the volume of data without data replica that can be stored in a Hologres instance, including your business data, metadata, and intermediate results that are processed by Hologres. In most cases, this volume is greater than 50% of the volume of your business data. Check your bill for the actual volume. The storage space is charged in GB.

• computing capacity

Computing capacity refers to the total amount of computing resources that are required for operations such as data write and query in Hologres. The computing capacity is charged in CU, where 1 CU represents 1 CPU core and 4 GB memory.

## **Billing methods**

Hologres supports the subscription and pay-as-you-go billing methods, as shown in the following figure.



#### • Subscription

Alibaba Cloud charges for the computing and storage resources that are estimated for your business needs. You can pay monthly or yearly fees in advance. For more information, see Subscription.

• Pay-as-you-go

Alibaba Cloud charges for computing resources based on the specifications and running duration of instances and storage resources based on the volume and duration of stored data. The payments are settled on an hourly basis. For more information, see Pay-as-you-go.

(?) Note Even if no task is run in a Hologres instance, the payments for computing resources are also settled on an hourly basis.

## Calculate fees

The following table describes how to calculate fees of Hologres instances in both subscription and pay-as-you-go modes.

metho ble d item	Unit price	Billing rule	How to stop billing
Com putin g	<ul> <li>The fee of computing resources varies based on different countries and regions.</li> <li>Singapore: USD 31.970149 per CU per month</li> <li>Hong Kong (China): USD 30.194030 per CU per month</li> <li>US: USD 29.432836 per CU per month</li> <li>US: USD 29.432836 per CU per month</li> <li>Kuala Lumpur: USD 35.268657 per CU per month</li> <li>Japan: USD 30.194030 per CU per month</li> <li>Indonesia: USD 31.462687 per CU per month</li> <li>Indonesia: USD 31.462687 per CU per month</li> <li>India: USD 29.179104 per CU per month</li> <li>China (Hangzhou): USD 25.373134 per CU per month</li> <li>China (Shanghai): USD 25.373134 per CU per month</li> <li>China (Shenzhen): USD 25.373134 per CU per month</li> <li>China (Shenzhen): USD 25.373134 per CU per month</li> <li>China (Shenzhen): USD 25.373134 per CU per month</li> <li>China (Zhangjiakou): USD 25.373134 per CU per month</li> </ul>	The fee is prepaid. When you purchase a Hologres instance, you are charged for the computing capacity and subscription duration that you select.	To stop billing for an instance, you can submit a ticket to release the instance. <b>Note</b> After an instance is released, data and objects in the instance cannot be recovered. Exercise caution when you perform the operation.

#### Hologres

#### Pricing-Billing methods

Billing metho d Subscri	Billa ble item	Unit price	Billing rule	How to stop billing
ption	Stor age	<ul> <li>The fee of storage resources varies based on different countries and regions.</li> <li>Singapore: USD 0.182090 per GB per month</li> <li>Hong Kong (China): USD 0.174627 per GB per month</li> <li>US: USD 0.171642 per GB per month</li> <li>Kuala Lumpur: USD 0.197015 per GB per month</li> <li>Japan: USD 0.177612 per GB per GB per month</li> <li>Indonesia: USD 0.183582 per GB per month</li> <li>India: USD 0.173134 per GB per month</li> <li>China (Hangzhou): USD 0.149254 per GB per month</li> <li>China (Shanghai): USD 0.149254 per GB per month</li> <li>China (Beijing): USD 0.149254 per GB per month</li> <li>China (Shenzhen): USD 0.149254 per GB per month</li> <li>China (Shenzhen): USD 0.149254 per GB per month</li> <li>China (Shenzhen): USD 0.126866 per GB per month</li> <li>China (Zhangjiakou): USD 0.126866 per GB per month</li> <li>Germany (Frankfurt): USD 0.189552 per GB per month</li> </ul>	The fee is prepaid. When you purchase a Hologres instance, you are charged for the storage space and subscription duration that you select. If the volume of data that is stored in this instance exceeds the purchased storage space, you are charged for excess storage resources in pay-as-you-go mode.	To stop billing for an instance, you can submit a ticket to release the instance. <b>Note</b> After an instance is released, data and objects in the instance cannot be recovered. Exercise caution when you perform the operation. You can also delete the data that exceeds the purchased storage space. Then, the system stops billing for excess storage resources that are used.
		0.189552 per GB per month		

Billing metho d	Billa ble item	Unit price	Billing rule	How to stop billing
	Com putin g	<ul> <li>The fee of computing resources varies based on different countries and regions.</li> <li>Singapore: USD 0.066604 per CU per hour</li> <li>Hong Kong (China): USD 0.062904 per CU per hour</li> <li>US: USD 0.061318 per CU per hour</li> <li>US: USD 0.061318 per CU per hour</li> <li>Kuala Lumpur: USD 0.073476 per CU per hour</li> <li>Japan: USD 0.062904 per CU per hour</li> <li>Japan: USD 0.062904 per CU per hour</li> <li>Indonesia: USD 0.065547 per CU per hour</li> <li>India: USD 0.060790 per CU per hour</li> <li>China (Hangzhou): USD 0.052861 per CU per hour</li> <li>China (Shanghai): USD 0.052861 per CU per hour</li> <li>China (Beijing): USD 0.052861 per CU per hour</li> <li>China (Shenzhen): USD 0.052861 per CU per hour</li> <li>China (Shenzhen): USD 0.052861 per CU per hour</li> <li>China (Zhangjiakou): USD 0.044932 per CU per hour</li> <li>Germany (Frankfurt): USD 0.068190 per CU per hour</li> </ul>	You are charged for the computing resources immediately after you purchase an instance. Even if no task is run in a Hologres instance, the payments for computing resources are settled on an hourly basis based on the selected computing capacity.	To stop billing for an instance, you can log on to the Hologres console, find the instance for which you want to stop billing, and then click <b>Stop</b> in the <b>Actions</b> column.
Pay-as- you-go				

#### Hologres

Billing metho d	Billa ble item	Unit price	Billing rule	How to stop billing
	Stor age	<ul> <li>The fee of storage resources varies based on different countries and regions.</li> <li>Singapore: USD 0.000379 per GB per hour</li> <li>Hong Kong (China): USD 0.000364 per GB per hour</li> <li>US: USD 0.000358 per GB per hour</li> <li>US: USD 0.000358 per GB per hour</li> <li>Kuala Lumpur: USD 0.000410 per GB per hour</li> <li>Japan: USD 0.000370 per GB per hour</li> <li>Japan: USD 0.000370 per GB per hour</li> <li>Indonesia: USD 0.000382 per GB per hour</li> <li>India: USD 0.000361 per GB per hour</li> <li>China (Hangzhou): USD 0.000311 per GB per hour</li> <li>China (Shanghai): USD 0.000311 per GB per hour</li> <li>China (Beijing): USD 0.000311 per GB per hour</li> <li>China (Shenzhen): USD 0.000311 per GB per hour</li> <li>China (Shenzhen): USD 0.000311 per GB per hour</li> <li>China (Zhangjiakou): USD 0.000311 per GB per hour</li> <li>China (Zhangjiakou): USD 0.000395 per GB per hour</li> </ul>	The storage resources are immediately charged when data is stored in the instance. The payments are settled on an hourly basis.	The system stops billing for the storage resources after the stored data is deleted.

Sample scenarios:

• Scenario 1

Assume that you purchase an instance with 64 CUs of computing resources and 500 GB storage resources based on the subscription billing method in the Singapore region. If you want to use this instance for six months, the total fee that you need to pay is USD 12,822.80722, which is calculated based on the following formula: USD 31.970149/CU/month × 64 CUs × 6 months + USD 0.182090/GB/month × 500 GB × 6 months = USD 12,822.80722.

• Scenario 2

Assume that you purchase an instance with 100 GB storage resources based on the subscription billing method in the Singapore region. However, you store 200 GB data in this instance in one hour due to quick expansion of your business. The extra fee in this hour is USD 0.0379, which is calculated based on the following formula: (200 GB - 100 GB) × USD 0.000379/GB/hour × 1 hour = USD 0.0379.

• Scenario 3

Assume that you purchase an instance based on the pay-as-you-go billing method in the Singapore region. If 64 CUs of computing resources and 100 GB storage resources are consumed in one hour, the total fee in this hour is USD 11.69166, which is calculated based on the following formula: USD 0.182090/CU/hour × 64 CUs × 1 hour + USD 0.000379/GB/hour × 100 GB × 1 hour = USD 11.69166.

#### Change billing methods

If you purchase a Hologres instance based on the pay-as-you-go billing method, you can log on to the Hologres console and change the billing method to subscription.

When you change the billing method from pay-as-you-go to subscription, take note of the following information:

- After the billing method is changed, you are charged for computing resources based on the subscription billing method.
- After the billing method is changed, the storage space is *O*GB by default. If data is stored in the current instance, you are charged for storage resources based on the pay-as-you-go billing method. You must purchase storage resources before you are charged for storage resources based on the subscription billing method.
- If you purchase a Hologres instance based on the subscription billing method, you cannot change the billing method. If you change the billing method of an instance from pay-as-you-go to subscription, the billing method cannot be restored.

#### Billing cycle

This section describes the billing cycles for Hologres instances.

- Subscription: The system pushes a bill to your Alibaba Cloud account when you purchase a Hologres instance and select the subscription billing method. If the volume of data that is stored in this instance exceeds the specified limit, you are charged for the excess volume based on the pay-as-you-go billing method and the payments are settled on an hourly basis. The system pushes a bill to your Alibaba Cloud account that is used to purchase this instance on an hourly basis.
- Pay-as-you-go: The system pushes a bill to your Alibaba Cloud account that is used to purchase this instance on an hourly basis.

## Select a billing method

Hologres supports two billing methods. You can select one based on your business needs.

- The pay-as-you-go billing method is suitable for developers and analysts. If you want to perform data analytics from time to time and the amount of data to be analyzed is small, we recommend that you select this method. The subscription billing method helps you limit the computing and storage resources that can be used. This way, costs can be effectively reduced.
- If you want to regularly perform data analytics in the production environment, we recommend that you select the subscription billing method to prevent idle resources.

**?** Note If you are a new user, we recommend that you select the pay-as-you-go billing method. When you use Hologres in the initial stage, you may use only a few resources. If you purchase reserved resources by CU, such resources may be left unused. The cost is relatively lower if you select the pay-as-you-go billing method.

# 2.Subscription

Subscription is a billing method that allows you to pay in advance for resources to use. The subscription billing method for Hologres supports dynamic configuration changes. You can scale your Hologres resources to meet your business needs as they change. This topic describes the subscription billing method for Hologres.

## Lifecycle management

If you use the subscription billing method, you must make payment before you can use Hologres. The following figure shows the lifecycle management process of a subscription Hologres instance.



Instance expiration

Example: You purchase a subscription instance in the Hologres console for a duration of four months. After you pay the subscription fees, the instance is available for use for four months. After the fourmonth duration ends, Hologres stops providing services and the instance is stopped. If you want to continue using the instance, you must renew it. If you do not renew the instance within 14 days (you are not billed for this period), the instance is released and deleted from the Hologres console. Data in the instance is deleted and cannot be recovered. If you cancel the subscription for the instance, the instance is immediately released.

Overdue payment

Example: You purchase a subscription Hologres instance in the Hologres console. However, during your use of the instance, a payment becomes overdue within your Alibaba Cloud account. The instance remains available for 24 hours after the payment becomes overdue. If you pay off the overdue payment within 24 hours, you can continue to use the instance normally. If you do not pay off the overdue payment within 24 hours, the instance is locked and becomes inaccessible until it expires. The instance is immediately stopped after it expires. If you pay off the overdue payment within 14 days after the instance expires, you can continue to use the instance. Otherwise, the instance is released and data in the instance is no longer retained.

**Note** The billing method of Hologres instances can be changed from **pay-as-you-go** to **subscription**, but cannot be changed from **subscription** to **pay-as-you-go**.

## Billing

The following table describes the billable items and pricing of the subscription billing method.

Billable item

Instance type

Unit price

Billable item	Instance type	Unit price
Computing capacity	<ul> <li>General-purpose instance</li> <li>Read-only secondary instance</li> </ul>	<ul> <li>The price of computing capacity varies by region.</li> <li>Singapore (Singapore): USD 31.970149/CU/month</li> <li>China (Hong Kong): USD 30.194030/CU/month</li> <li>US (Silicon Valley): USD 29.432836/CU/month</li> <li>Malaysia (Kuala Lumpur): USD 35.268657/CU/month</li> <li>Japan (Tokyo): USD 30.194030/CU/month</li> <li>Indonesia (Jakarta): USD 31.462687/CU/month</li> <li>India (Mumbai): USD 29.179104/CU/month</li> <li>China (Hangzhou): USD 25.373134/CU/month</li> <li>China (Beijing): USD 25.373134/CU/month</li> <li>China (Shenzhen): USD 25.373134/CU/month</li> <li>China (Zhangjiakou): USD 25.567164/CU/month</li> <li>Germany (Frankfurt): USD 32.731343/CU/month</li> <li>One compute unit (CU) represents 1 CPU core and 4 GB of memory.</li> </ul>
Storage space	General-purpose instance	<ul> <li>The price of storage space varies by region.</li> <li>Singapore (Singapore): USD 0.182090/GB/month</li> <li>China (Hong Kong): USD 0.174627/GB/month</li> <li>US (Silicon Valley): USD 0.171642/GB/month</li> <li>Malaysia (Kuala Lumpur): USD 0.197015/GB/month</li> <li>Japan (Tokyo): USD 0.177612/GB/month</li> <li>Indonesia (Jakarta): USD 0.183582/GB/month</li> <li>India (Mumbai): USD 0.173134/GB/month</li> <li>China (Hangzhou): USD 0.149254/GB/month</li> <li>China (Beijing): USD 0.149254/GB/month</li> <li>China (Shenzhen): 0.149254/USD /GB/month</li> <li>China (Zhangjiakou): USD 0.126866/GB/month</li> <li>Germany (Frankfurt): USD 0.189552/GB/month</li> </ul>

The price for a Hologres instance is calculated based on the following formula: Subscription fees = Computing capacity × Unit price × Subscription duration + Storage space × Unit price × Subscription duration.

Example: You purchase a subscription instance with 128 CUs of computing capacity and 500 GB of storage space in the Singapore (Singapore) region for a duration of six months. The total fees are calculated based on the following formula: 128 CUs × USD 31.970149/CU/month × 6 months + 500 GB × USD 0.182090/GB/month × 6 months = USD 25,099.344432.

## Configuration upgrade

If your subscription Hologres instance does not have sufficient resources to meet your business needs, you can upgrade the configurations of the instance.

The upgrade fees are calculated based on the following formulas:

• Original configurations:

Paid amount = Computing capacity × Subscription duration × Unit price + Storage space × Subscription duration × Unit price

Used amount = Paid amount / Number of hours of the subscription duration × Number of hours the instance is used

Remaining amount = Paid amount - Used amount

• New configurations:

Total payable = Computing capacity × Subscription duration × Unit price + Storage space × Subscription duration × Unit price

Actual payable = Total payable/Number of hours of the subscription duration × Number of remaining hours to use the instance

• Configuration upgrade: Upgrade fees = Actual payable for the new configurations - Remaining amount of the original configurations

Example: You purchase a subscription Hologres instance with 64 CUs of computing capacity and 300 GB of storage space in the Singapore (Singapore) region for a duration of two months on March 1. The instance is expected to expire on April 30. On March 13, you upgrade the instance configurations to 128 CUs of computing capacity and 500 GB of storage space without changing the expiration time. The fees for the upgrade are calculated based on the following formulas:

- Paid amount of the original configurations = 64 CUs × 2 months × USD 31.970149/CU/month + 300 GB × 2 months × USD 0.182090/GB/month = USD 4,092.179072.
- Used amount of the original configurations = USD 4,092.179072/1,440 hours × 288 hours = USD 818.4358144.

(?) Note The subscription duration for the original configurations is two months, 30 days each. The instance has been used for 12 days from March 1 to March 13. The number of hours of the subscription duration is calculated based on the following formula: 2 months × 30 days/month × 24 hours/day = 1,440 hours. The number of hours the instance is used is calculated based on the following formula: 12 days × 24 hours/day = 288 hours.

- Remaining amount of the original configurations = USD 4,092.179072 USD 818.4358144 = USD 3,273.7432576.
- Total payable for the new configurations = 128 CUs × 2 months × USD 31.970149/CU/month + 500 GB × 2 months × USD 0.182090/GB/month = USD 8,366.448144.
- Actual payable for the new configurations = USD 8,366.448144/1,440 hours × 1,152 hours = USD 6,693.1585152.

**Note** The subscription duration for the new configurations is two months, 30 days each. You can use the instance for 48 days from March 13 to April 30. The number of hours of the subscription duration is calculated based on the following formula: 2 months × 30 days/month × 24 hours/day = 1,440 hours. The number of remaining hours to use the instance is calculated based on the following formula: 48 days × 24 hours/day = 1,152 hours. • Amount to be paid for upgrading the instance configurations = USD 6,693.1585152 - USD 3,273.7432576 = USD 145.672.

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? Note
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- In this example, each month is assumed to contain 30 days to simplify calculation.
- This example is used only to illustrate the billing logic of configuration upgrade. The payable amount on your bill prevails.

#### Configuration downgrade

If the resources of your subscription Hologres instance are excessive, you can downgrade the instance configurations to reduce costs.

The downgrade fees are calculated based on the following formulas:

• Original configurations:

Paid amount = Computing capacity × Subscription duration × Unit price + Storage space × Subscription duration × Unit price

Used amount = Paid amount / Number of hours of the subscription duration × Number of hours the instance is used

Remaining amount = Paid amount - Used amount

• New configurations:

Total payable = Computing capacity × Subscription duration × Unit price + Storage space × Subscription duration × Unit price

Actual payable = Total payable/Number of hours of the subscription duration × Number of remaining hours to use the instance

• Configuration downgrade: Downgrade fees = Actual payable for the new configurations - Remaining amount of the original configurations

Example: You purchase a subscription Hologres instance with 128 CUs of computing capacity and 500 GB of storage space in the Singapore (Singapore) region for a duration of three months on March 1. The instance is expected to expire on May 31. On March 21, you downgrade the instance configurations to 64 CUs of computing capacity and 300 GB of storage space without changing the expiration time. The fees for the downgrade are calculated based on the following formulas:

- Paid amount of the original configurations = 128 CUs × 3 months × USD 31.970149/CU/month + 500 GB × 3 months × USD 0.182090/GB/month = USD 12,549.672216.
- Used amount of the original configurations = USD 12,549.672216/2,160 hours × 480 hours = USD 2,788.816.

(?) Note The subscription duration for the original configurations is three months, 30 days each. The instance has been used for 20 days from March 1 to March 21. The number of hours of the subscription duration is calculated based on the following formula: 3 months × 30 days/month × 24 hours/day = 2,160 hours. The number of hours the instance is used is calculated based on the following formula: 20 days × 24 hours/day = 480 hours.

• Remaining amount of the original configurations = USD 12,549.672216 - USD 2,788.816 = USD 9,760.856216.

- Total payable for the new configurations = 64 CUs × 3 months × USD 31.970149/CU/month + 300 GB × 3 months × USD 0.182090/GB/month = USD 6,302.149608.
- Actual payable for the new configurations = USD 6,302.149608/2,160 hours × 1,680 hours = USD 4,901.67192.

**(?)** Note You are expected to pay for the new resources for three months, 30 days each. However, you can use the instance only for 70 days from March 21 to May 31. The subscription duration for the new configurations is three months, 30 days each. You can use the instance for 70 days from March 21 to May 31. The number of hours of the subscription duration is calculated based on the following formula: 3 months × 30 days/month × 24 hours/day = 2,160 hours. The number of remaining hours to use the instance is calculated based on the following formula: 70 days × 24 hours/day = 1,680 hours.

- Amount to be paid for downgrading the instance configurations = USD 4,901.67192 USD 9,760.856216 = USD -4,859.1843.
- Alibaba Cloud must refund USD 4,859.1843 to your account.

#### ? Note

- In this example, each month is assumed to contain 30 days to simplify calculation.
- This example is used only to illustrate the billing logic of configuration downgrade. The payable amount on your bill prevails.

#### Message notification mechanism

The following table describes the message notification mechanism of subscription Hologres instances.

Billing method	Reminder time for instance stop due to expiration	Downtime	Reminder time for instance release
	Seven days before expiration	The instance immediately stops upon expiration.	Seven days before release
Subscription	Three days before expiration		Three days before release
	One day before expiration		One day before release

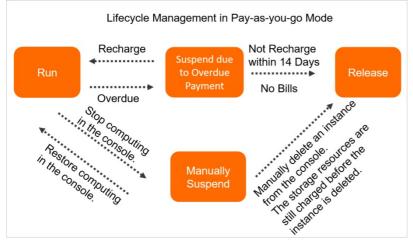
Example: You purchase a subscription Hologres instance for a duration of two months. Seven days, three days, and one day before the instance expires, you receive expiration notifications by SMS, phone call, or email. When the instance expires, it is immediately stopped and Hologres stops providing services. If you do not renew the instance within 14 days after it expires, the instance is automatically released. Seven days, three days, and one day before the release, you receive release notifications by SMS, phone SMS, phone call, or email.

# 3.Pay-as-you-go

This topic describes the pay-as-you-go billing method for Hologres.

### Lifecycle management

If you purchase a pay-as-you-go Hologres instance, Alibaba Cloud charges for computing resources based on the specifications and running duration of the instance, and for storage resources based on the volume and duration of stored data. The payments are settled on an hourly basis. The following figure shows the lifecycle management process of a pay-as-you-go Hologres instance.



#### Examples:

Example: You purchase a pay-as-you-go Hologres instance at the Alibaba Cloud International site (alibabacloud.com). You can use this instance immediately after it is created. The payments are settled on an hourly basis. The system pushes a bill to you and deducts the amount payable from your account balance. If your account has an overdue payment, you can still use the instance. During this period, the system does not push a bill to you. The system pushes a bill and deducts the amount payable if the overdue payment reaches USD 1,000. If the bill is not paid within 14 days after the deduction fails, the instance is suspended and cannot be used. Make sure that your account has a sufficient balance. Otherwise, the instance may stop running due to overdue payments. If you do not renew your instance within 14 days, the instance is released and deleted from the console. Data in the instance is also deleted and cannot be recovered.

In addition, you can manually suspend your pay-as-you-go Hologres instance. After you click Stop, the system stops charging for computing resources. However, data stored in your instance is still charged on an hourly basis, even if you do not use Hologres for data analytics. You can also manually resume the instance. After that, the system automatically calculates the fees for computing and storage resources. You can delete the instance if your business no longer requires it. After that, the system calculates the fees and pushes a bill to you. The system automatically releases the instance after you delete it. Data in the instance is also deleted and cannot be recovered.

**Note** The billing method of Hologres instances can be changed from **pay-as-you-go** to **subscription**, but cannot be changed from **subscription** to **pay-as-you-go**.

#### Billing

The following table describes the billable items and pricing of the pay-as-you-go billing method.

#### Pricing Pay-as-you-go

#### Hologres

Billing method	Billable item	Instance type	Unit price	Remarks
	Computin g capacity	<ul> <li>General- purpose instance</li> <li>Read-only secondary instance</li> </ul>	<ul> <li>The price of computing capacity varies by region.</li> <li>Singapore (Singapore): USD 0.066604/CU/hour</li> <li>China (Hong Kong): USD 0.062904/CU/hour</li> <li>US (Silicon Valley): USD 0.061318/CU/hour</li> <li>Malaysia (Kuala Lumpur): USD 0.073476/CU/hour</li> <li>Japan (Tokyo): USD 0.062904/CU/hour</li> <li>Japan (Tokyo): USD 0.062904/CU/hour</li> <li>Indonesia (Jakarta): USD 0.065547/CU/hour</li> <li>India (Mumbai): USD 0.060790/CU/hour</li> <li>China (Hangzhou): USD 0.052861/CU/hour</li> <li>China (Shanghai): USD 0.052861/CU/hour</li> <li>China (Beijing): USD 0.052861/CU/hour</li> <li>China (Shenzhen): USD 0.054932/CU/hour</li> <li>Germany (Frankfurt): USD 0.068190/CU/hour</li> </ul>	The fee is calculated on an hourly basis. One compute unit (CU) represents 1 CPU core and 4 GB of memory.
Pay-as- you-go				

Billing method	Billable item	Instance type	Unit price	Remarks
	Storage space	General- purpose instance	<ul> <li>The price of storage space varies by region.</li> <li>Singapore (Singapore): USD 0.000379/GB/hour</li> <li>China (Hong Kong): USD 0.000364/GB/hour</li> <li>US (Silicon Valley): USD 0.000358/GB/hour</li> <li>Malaysia (Kuala Lumpur): USD 0.000410/GB/hour</li> <li>Japan (Tokyo): USD 0.000370/GB/hour</li> <li>Indonesia (Jakarta): USD 0.000382/GB/hour</li> <li>India (Mumbai): USD 0.000361/GB/hour</li> <li>China (Hangzhou): USD 0.000311/GB/hour</li> <li>China (Shanghai): USD 0.000311/GB/hour</li> <li>China (Beijing): USD 0.000311/GB/hour</li> <li>China (Shenzhen): 0.000311 /GB/hour</li> <li>China (Shenzhen): 0.000311 /GB/hour</li> <li>China (Zhangjiakou): USD 0.000264/GB/hour</li> <li>Germany (Frankfurt): USD 0.000395/GB/hour</li> </ul>	The fee is calculated on an hourly basis.

Example: You purchase a pay-as-you-go Hologres instance with 64 CUs of computing capacity and 256 GB of storage space in the Singapore (Singapore) region. If you store 100 GB data in this instance for 1 hour, the total fee in this hour is USD 4.300556, which is calculated based on the following formula: USD 0.066604/CU/hour × 64 CUs × 1 hour + USD 0.000379/GB/hour × 100 GB × 1 hour = USD 4.300556.

#### Message notification mechanism

The following table describes the message notification mechanism of pay-as-you-go Hologres instances.

Reminder time for service suspension due to failed deduction of an overdue payment that reaches USD 1,000	Downtime	Reminder time for instance release
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Billing method	Reminder time for service suspension due to failed deduction of an overdue payment that reaches USD 1,000	Downtime	Reminder time for instance release
	Seven days before downtime	The instance stops providing services on the fifteenth day after	Seven days before release
Pay-as-you-go	Three days before downtime		Three days before release
	One day before downtime	fee deduction fails.	One day before release

Example: You purchase a pay-as-you-go Hologres instance at the Alibaba Cloud International site (alibabacloud.com). The system calculates the fees for computing and storage resources on an hourly basis and deducts the fees from your account balance after a bill is pushed to you. If your account has an overdue payment that reaches USD 1,000 and the system fails to deduct the fee from your account balance, the system sends service suspension notifications by SMS or email seven days, three days, and one day before the instance stops providing services. If you do not pay off your overdue service fee, the instance stops providing services and cannot be used on the fifteenth day. If you do not add funds to your account within 14 days after the instance enters the suspension state, the system automatically releases the instance and sends release notifications by SMS or email seven days, three days, three days, and one day before the release.

# 4.Change the billing method

After you create a pay-as-you-go instance, you can change the billing method of the instance to subscription.

#### Usage notes

Hologres allows you to change the billing method of pay-as-you-go instances to subscription in the Hologres console.

When you change the billing method of an instance, take note of the following items:

- After you change the billing method of an instance, computing resources are no longer billed based on actual usage but based on the subscription billing method.
- By default, after you change the billing method of an instance, the storage capacity of the instance is *O* GB. If data is stored in the instance, the stored data is charged based on the pay-as-you-go billing method. If you want the stored data to be charged based on the subscription billing method, you must purchase a storage plan.
- You cannot change the billing method of a subscription Hologres instance to pay-as-you-go. After you change the billing method of a pay-as-you-go instance to subscription, you cannot change the billing method back to pay-as-you-go.

#### Procedure

- 1. Log on to the Hologres console. In the top navigation bar, select a region.
- 2. In the left-side navigation pane, click **Instances**.
- 3. On the Hologres Instances page, find the instance whose billing method you want to change and click Switch to Subscription in the **Actions** column.
- 4. On the **Confirm Order** page, perform the following operations:
  - Set the Purchase Cycle parameter.
  - Read and agree to the Hologres (Subscription) Agreement of Service by selecting the check box.
- 5. Click Activate and complete the payment.

# 5.Expiration and arrears alerts and suspension policies

This topic describes expiration and arrears alerts and suspension policies of a Hologres instance.

A Hologres instance enters the suspension state after it expires or falls into arrears. The instance can be unlocked after you pay the arrears or renew the instance.

## Expiration and arrears alerts

Billing method	Alert type	Instance status	Proposed operation	Remarks
	Instance expirati onFrom the first dat the fourteenth d after the instance expired, Alibaba C does not push a 	The instance stops providing services immediately after it expires and cannot be accessed.	Purchase the instance based on the subscription billing method again.	<ul> <li>You will be notified by SMS or email at the points in time below to renew your instance as soon as possible to avoid service suspension:</li> <li>Seven days before downtime</li> <li>Three days before downtime</li> <li>One day before downtime</li> </ul>
		From the first day to the fourteenth day after the instance expires, the instance is locked and cannot be accessed. During this period, Alibaba Cloud does not push a bill to you.	Purchase the instance based on the subscription billing method again.	You will be notified by SMS or email at the
Subscription		On the fifteenth day after the instance expires, the instance is released and deleted from the console. Data in the instance is also deleted and cannot be recovered.	The instance cannot be restored.	<ul> <li>points in time below</li> <li>to renew your instance</li> <li>as soon as possible to</li> <li>avoid instance release:</li> <li>Seven days before</li> <li>release</li> <li>Three days before</li> <li>release</li> </ul>
				• One day before release

## Pricing Expiration and arrears alerts and suspension policies

Billing method	Alert type	Instance status	Proposed operation	Remarks		
		The instance runs as expected within 24 hours after balance overdue.		You will be notified by SMS or email at the points in time below		
	Arrears	After 24 hours of balance overdue, the instance stops providing services and cannot be accessed.	Pay the arrears as soon as possible to avoid service suspension.	<ul> <li>to pay the arrears as soon as possible to avoid instance lockup:</li> <li>18 hours before service suspension</li> </ul>		
		From the second day to the instance expiration date, the instance is locked and cannot be accessed.		<ul> <li>12 hours before service suspension</li> <li>6 hours before service suspension</li> </ul>		
		The instance runs as expected if the overdue payment is less than USD 1,000.		If you have turned on Available Credit Alert , the system sends you an SMS or email notification when your account balance is less than the threshold you set.		
		If the overdue payment in your account reaches USD 1,000 and the deduction fails, the instance runs as expected within 14 days.	Pay the arrears as soon as possible to avoid service suspension.	<ul> <li>You will be notified by</li> <li>SMS or email at the points in time below to pay the arrears as soon as possible to avoid instance lockup:</li> <li>Seven days before service suspension</li> <li>Three days before service suspension</li> <li>One days before service suspension</li> </ul>		
Pay-as-you- go	Arrears					

Billing method	Alert Instance status Proposed operation		Proposed operation	Remarks		
		On the fifteenth day after the instance stops providing services due to balance overdue, the instance is locked and cannot be accessed. During this period, Alibaba Cloud does not push a bill to you.	The instance is immediately unlocked after you pay the arrears.	<ul> <li>You will be notified by SMS or email at the points in time below to pay the arrears as soon as possibleto avoid instance lockup:</li> <li>Seven days before service suspension</li> <li>Three days before service suspension</li> <li>One days before service suspension</li> </ul>		
		On the fifteenth day after the instance stops providing services due to balance overdue, the instance is released and deleted from the console. Data in the instance is also deleted and cannot be recovered.	The data cannot be restored.	<ul> <li>You will be notified by</li> <li>SMS or email at the points in time below to pay the arrears as soon as possible to avoid instance release:</li> <li>Seven days before release</li> <li>Three days before release</li> <li>One day before release</li> </ul>		

#### Configure the notification methods of alerts

When your Alibaba Cloud account has an overdue payment or a Hologres instance expires, Alibaba Cloud sends an alert notification by SMS or email. By default, the system sends the notification to the mobile phone number and email address that are bound to your Alibaba Cloud account. To have these notifications sent to a Resource Access Management (RAM) user, perform the following steps on the Message Center page within your Alibaba Cloud account. To configure the notification methods of alerts, perform the following steps:

1. Log on to the Alibaba Cloud International site (alibabacloud.com) with your Alibaba Cloud account. Move the pointer over the message icon in the upper-right corner and click **Message Settings**.

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2. On the Message Center page, click **Common Settings** in the left-side navigation pane, select **Product Overdue Payment, Suspension, and Imminent Release Notifications**, and then click **Modify**.

Message Center	Common Settings									
<ul> <li>Internal Messages</li> <li>All Messages</li> </ul>	Reminder:Each contact listed below can be set as a message recipient. Allbaba Cloud will not disclose this information to third parties. We recommend that you have appropriate settings so that you receive important messages regarding account failure to receive messages. The current account is INNER account, as recipients of requirements for new or modified, please contact those responsible for account of the ihave to add an account in use, then this page setup to receive rules.									
Unread Messages	Notification Type	Internal Messages	Email	□ Text message	Contact					
Read Messages										
<ul> <li>Message Settings</li> <li>Common Settings</li> </ul>					Annual Collect					
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	Product Overdue Payment, Suspension, and Imminent Release Notifications @				Account Contact Modify					

3. In the Modify Contact dialog box, click Add Receiver, enter required information to set a new account as a message receiver, and then click Save.

Reminder: The current account is INNER account, as recipients of requirements for new or modified, please contact those responsible for account of the ihave to add an account in use, then this page setup to receive rules. Red contact person for non compliance, later will be automatically cleared, please do not set up.								
essa	ge Type: Product Mess	age - Product Overdue Payment, Suspension	n, and Imminent Release Not	ifications				
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## 6.Manage renewals

This topic describes how to manually renew the subscription for a subscription instance or enable autorenewal for a subscription instance on the Renewal page.

#### Context

A subscription instance is stopped after it expires. You must renew the subscription before you can restart the instance. If you fail to renew the subscription within a specified period, the resources in the projects that are associated with the instance are released and cannot be recovered.

#### Manual renewal

To manually renew a subscription, perform the following steps:

- 1. Log on to the Alibaba Cloud Management Console by using your Alibaba Cloud account.
- 2. Go to the User Center. In the left-side navigation pane, choose Cost Management > Renewal.
- 3. On the **Manual** tab of the **Renewal** page, find the instance whose subscription you want to renew and click **Renew** in the **Actions** column.
- 4. On the **Renew** page, set the parameters, read and select **Terms of Service**, and then click **Buy Now**. After you complete the payment, the subscription of the instance is renewed.

#### Auto-renewal

If you want to use an instance for a long term, we recommend that you enable auto-renewal for the instance. After you enable auto-renewal, the system automatically renews the subscription before the instance expires. You do not need to manually renew the subscription. This ensures that resources and data associated with the instance are not deleted because of instance expiration.

- 1. Log on to the Alibaba Cloud Management Console by using your Alibaba Cloud account.
- 2. Go to the User Center. In the left-side navigation pane, choose Cost Management > Renewal.
- 3. On the **Manual** tab of the **Renewal** page, find the instance for which you want to enable autorenewal and click **Enable Auto Renewal** in the **Actions** column.
- 4. In the Enable Auto Renewal dialog box, select an auto-renewal period and click Auto Renew.
- 5. Optional. On the Auto tab of the Renewal page, view the details of the instance for which you have enabled auto-renewal. You can also click Renew, Edit Auto Renewal, Nonrenewal, and Enable Manual Renewal in the Actions column to perform the corresponding operations.