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ApsaraDB for Redis Pricing

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Document conventions

Style	Description	Example
 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.
 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.
 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.
 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 .
<code>Courier font</code>	Courier font is used for commands	Run the <code>cd /d C:/window</code> command to enter the Windows system folder.
<i>Italic</i>	Italic formatting is used for parameters and variables.	<code>bae log list --instanceid</code> <i>Instance_ID</i>
[] or [a b]	This format is used for an optional value, where only one item can be selected.	<code>ipconfig [-all -t]</code>
{ } or {a b}	This format is used for a required value, where only one item can be selected.	<code>switch {active stand}</code>

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1. Billable items and prices

This topic provides an overview of the billable items and prices of ApsaraDB for Redis. To create an ApsaraDB for Redis instance, you must pay the fees that are required for the selected instance type. If you enable the official version of the audit log feature or purchase extra bandwidth for an instance that is in the Running state, you are charged additional fees.

Billable items


Billable item	Description	Price
Step 1: Create an ApsaraDB for Redis instance	When you create an instance, you are charged based on the subscription or pay-as-you-go billing method. The fees that you must pay vary based on the instance type that you select. If you select the subscription billing method, the fees that you must pay also vary based on the subscription period that you select. For more information, see Billing method .	For more information, visit the Price Calculator page.
Enable the new audit log feature	After you enable the audit log feature, you are charged per hour based on the storage usage and retention period of the audit logs that are generated.	Fees for audit log storage
Adjust the bandwidth of an ApsaraDB for Redis instance	Each instance type provides a specific amount of bandwidth. For more information, see Overview . If the bandwidth of an instance is insufficient to handle traffic peaks for events such as flash sales, you can purchase a specific amount of extra bandwidth without the need to change the specifications of the instance. You are charged per day based on the amount of extra bandwidth that you purchase and the duration for which the extra bandwidth is used.	Fees for extra bandwidth

Fees for audit log storage

Area	Region	Region ID (used in API operations)	Unit price (USD/GB/hour)
Asia Pacific	China (Hangzhou)	cn-hangzhou	0.002
	China (Shanghai)	cn-shanghai	0.002
	China (Qingdao)	cn-qingdao	0.002
	China (Beijing)	cn-beijing	0.002
	China (Zhangjiakou)	cn-zhangjiakou	0.002
	China (Hohhot)	cn-huhehaote	0.002
	China (Ulanqab)	cn-wulanchabu	0.002
	China (Shenzhen)	cn-shenzhen	0.002
	China (Heyuan)	cn-heyuan	0.002

Area	Region	Region ID (used in API operations)	Unit price (USD/GB/hour)
	China (Chengdu)	cn-chengdu	0.002
	China (Hong Kong)	cn-hongkong	0.006
	Singapore (Singapore)	ap-southeast-1	0.006
	Australia (Sydney)	ap-southeast-2	0.006
	Malaysia (Kuala Lumpur)	ap-southeast-3	0.004
	Indonesia (Jakarta)	ap-southeast-5	0.004
	Japan (Tokyo)	ap-northeast-1	0.004
Europe & Americas	Germany (Frankfurt)	eu-central-1	0.006
	UK (London)	eu-west-1	0.006
	US (Silicon Valley)	us-west-1	0.006
	US (Virginia)	us-east-1	0.006
Middle East & India	India (Mumbai)	ap-south-1	0.004
	UAE (Dubai)	me-east-1	0.006

Fees for extra bandwidth

 **Note** You are charged per day for the extra bandwidth that you purchase. For example, if you purchase an extra 10 MB/s bandwidth for an instance that resides in the China (Hangzhou) region, you must pay an additional fee of USD 1.5 per day.

Area	Region	Region ID (used in API operations)	Unit price (USD/MB/day)
	China (Hangzhou)	cn-hangzhou	0.15
	China (Shanghai)	cn-shanghai	0.15
	China (Qingdao)	cn-qingdao	0.15
	China (Beijing)	cn-beijing	0.15
	China (Zhangjiakou)	cn-zhangjiakou	0.15
	China (Hohhot)	cn-huhehaote	0.15
	China (Ulanqab)	cn-wulanchabu	0.15

Area	Region	Region ID (used in API operations)	Unit price (USD/MB/day)
Asia Pacific	China (Shenzhen)	cn-shenzhen	0.15
	China (Heyuan)	cn-heyuan	0.15
	China (Chengdu)	cn-chengdu	0.15
	China (Hong Kong)	cn-hongkong	0.33
	Singapore (Singapore)	ap-southeast-1	0.33
	Australia (Sydney)	ap-southeast-2	0.33
	Malaysia (Kuala Lumpur)	ap-southeast-3	0.23
	Indonesia (Jakarta)	ap-southeast-5	0.23
	Japan (Tokyo)	ap-northeast-1	0.23
Europe & Americas	Germany (Frankfurt)	eu-central-1	0.33
	UK (London)	eu-west-1	0.33
	US (Silicon Valley)	us-west-1	0.33
	US (Virginia)	us-east-1	0.33
Middle East & India	India (Mumbai)	ap-south-1	0.23
	UAE (Dubai)	me-east-1	0.33

2. Billing method

ApsaraDB for Redis supports the subscription and pay-as-you-go billing methods.

Billing method	Description	Note
Subscription	<ul style="list-style-type: none"> If you select the subscription billing method, you must pay for the instance when you create the instance. If you purchase a subscription instance with a one-year subscription period, a 15% discount is offered. 	<ul style="list-style-type: none"> During the subscription period, you can only upgrade or downgrade the instance, but cannot release the instance. You cannot switch the billing method of an instance from subscription to pay-as-you-go.
Pay-as-you-go	<ul style="list-style-type: none"> The billing cycle is one hour. If you use an instance for less than one hour, you are charged for the fees of one hour. If you change the specifications of an instance within one billing cycle, the instance is billed based on the largest capacity used during the cycle. For example, if your instance capacity is 1 GB at 01:10, and changed to 8 GB at 01:20, and then to 2 GB at 01:50, the instance is billed for the 8 GB capacity during the billing cycle between 01:00 and 02:00. The system generates the bill within three hours after the current billing cycle. The specific bill time is subject to the system accounting time. For example, a bill for the billing cycle of 09:00 to 10:00 is generated before 11:00. After a bill is issued, the fee is automatically deducted from your account. 	<ul style="list-style-type: none"> You can release a pay-as-you-go instance at any time. No fees are charged for the released instance. You can change a pay-as-you-go instance to a subscription instance. The system starts the subscription billing method immediately after the change. For more information, see Change the billing method to subscription.

Note

- An ApsaraDB for Redis instance is billed based on the specifications of the instance, instead of the consumed cache space.


For example, if you purchase an ApsaraDB for Redis instance of 2 GB memory and store 256 MB of data on this instance, the instance is billed for the 2 GB memory capacity.

- The internal network traffic that is consumed by an ApsaraDB for Redis instance is free of charge. No fees are charged for data transmission between an Elastic Compute Service (ECS) instance and an ApsaraDB for Redis instance.

3.Expiration, overdue payments, and renewal


When an ApsaraDB for Redis instance expires or has overdue payments, the instance may not be able to run normally. If you want to continue using the instance, renew the instance or enable auto-renewal for the instance.


Impacts of expiration and overdue payments

 **Warning** The system sends notifications to you when an instance expires or has overdue payments. To avoid service suspension, we recommend that you renew the instance at the earliest opportunity.


When an ApsaraDB for Redis instance expires or has overdue payments, the instance is handled based on the amount of time elapsed since the expiration date and the billing method of the instance. The following table describes how the instances are handled.

Subscription instances

Time elapsed since the expiration date	Description
Day 1 to day 15	The instance runs normally.
Day 16 to day 30	<p>The instance is in the Disabled state and cannot be accessed. If you want to continue using the instance, you must renew the instance in a timely manner. For more information, see Manually renew an instance.</p> <div>  Note <ul style="list-style-type: none"> If the instance is in the Disabled state, the subscription duration starts from the time when you renew your instance. For example, if your instance expires on April 10, 2021 and you renew the instance on April 15, 2021 to extend the service for one month, the expiration date of the instance is extended to May 15, 2021. If you do not renew an expired instance within the specified time period, the data stored in the instance may be lost. To prevent data loss, you can enable the auto-renewal feature for an instance after you purchase the instance. </div>
Day 31 to day 37	<p>The instance is in the Released state. You are notified with a text message or an email. Data is retained for the next eight days. If you want to continue using the instance, you can restore the instance from the recycle bin. When you restore the instance from the recycle bin, ApsaraDB for Redis creates an instance by replicating the data of the original instance. For more information, see Manage ApsaraDB for Redis instances in the recycle bin.</p>

Time elapsed since the expiration date	Description
Day 38	<p>The instance is permanently deleted. The data that is stored in the instance cannot be restored.</p> <div>  Warning To retain the data in the instance, you must renew the instance before it is deleted. Otherwise, the data cannot be restored. </div>

Pay-as-you-go instances

Time elapsed since the expiration date	Description
Day 1 to day 15	The instance runs normally.
Day 16 to day 30	<p>The instance is in the Disabled state and cannot be accessed. While the instance is in this state, billing of the instance is suspended.</p> <p>If you want to continue using the instance, make sure that you have sufficient balance within your account. Billing is resumed after you top up your account and settle the overdue payments.</p>
Day 31 to day 37	<p>The instance is in the Released state. You are notified with a text message or an email. Data is retained for the next eight days. If you want to continue using the instance, you can restore the instance from the recycle bin. When you restore the instance from the recycle bin, ApsaraDB for Redis creates an instance by replicating the data of the original instance. For more information, see Manage ApsaraDB for Redis instances in the recycle bin.</p>
Day 38	<p>The instance is permanently deleted. The data that is stored in the instance cannot be restored.</p> <div>  Warning To retain the data in the instance, you must renew the instance before it is deleted. Otherwise, the data cannot be restored. </div>

Renewal overview


The renewal feature is applicable only to subscription instances. Pay-as-you-go instances do not need to be renewed, but you must make sure that you have sufficient balance within your account to cover relevant costs.

- Auto-renewal (recommended)

To prevent your instance from being automatically released if you forget to renew the instance, we recommend that you enable auto-renewal for the instance.

After you enable auto-renewal for an instance, the instance is automatically renewed before the

expiration date. Make sure that you have sufficient balance within your account. If an auto-renewal attempt fails seven days before the expiration date, you are notified with a text message or an email.

 **Note** If an auto-renewal attempt fails because you do not have sufficient balance within your account, the instance expires and the system does not initiate another auto-renewal attempt. In this case, you must manually renew the instance before the instance is automatically released.

- **Manual renewal**

You can manually renew an instance at a point in time before the instance expires.

For more information, see [Renew an instance](#).

4. Configuration change

ApsaraDB for Redis allows you to upgrade or downgrade an instance based on your business requirements to optimize resource usage and data management.

Change process and impact

For more information about the process, impact, and operation methods of a configuration change, see [Change the configurations of an instance](#).

Pay-as-you-go instances

A pay-as-you-go instance is billed based on the configurations that are used when a billing order is generated.

Subscription instances

You can change the configurations of a subscription instance before or after the instance expires. You can upgrade or downgrade an instance. Higher specifications are charged more than lower specifications. For example, the price of an 8 GB read/write splitting instance with five read replicas is higher than the price of a 16 GB cluster instance. If you change a 16 GB cluster instance to an 8 GB read/write splitting instance with five read replicas, you are upgrading the instance.

 **Note** You cannot change the configurations if an unpaid renewal order exists in your account.

Method	Description
Upgrade	Total fees for upgrading an instance = (Daily fees of the instance after upgrade - Daily fees of the instance before upgrade) × (Number of days between the subscription expiration date and the upgrade date)
Downgrade	Downgrade refunds = (Daily fees of the instance before downgrade - Daily fee of the instance after downgrade) × (Number of days between the subscription expiration date and the downgrade date)

If the remaining days before service expiration are less than 365 days, you are charged based on the monthly subscription price. If the remaining days are greater than or equal to 365 days, you are charged based on the annual subscription price.

Change instances between editions

- You can change an ApsaraDB for Redis instance from Community Edition to Enhanced Edition (Tair).
- You cannot change an ApsaraDB for Redis instance from Enhanced Edition (Tair) to Community Edition.

Change ApsaraDB for Redis Enhanced Edition (Tair) instances between series

You cannot change instances between performance-enhanced series and hybrid-storage series.