

# Alibaba Cloud ApsaraDB for POLARDB

Pricing

Issue: 20190917

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## Generic conventions

Table -1: Style conventions

Style	Description	Example
	This warning information indicates a situation that will cause major system changes, faults, physical injuries, and other adverse results.	 <b>Danger:</b> Resetting will result in the loss of user configuration data.
	This warning information indicates a situation that may cause major system changes, faults, physical injuries, and other adverse results.	 <b>Warning:</b> Restarting will cause business interruption. About 10 minutes are required to restore business.
	This indicates warning information, supplementary instructions, and other content that the user must understand.	 <b>Notice:</b> Take the necessary precautions to save exported data containing sensitive information.
	This indicates supplemental instructions, best practices, tips, and other content that is good to know for the user.	 <b>Note:</b> You can use Ctrl + A to select all files.
>	Multi-level menu cascade.	Settings > Network > Set network type
<b>Bold</b>	It is used for buttons, menus, page names, and other UI elements.	Click OK.
<code>Courier font</code>	It is used for commands.	Run the <code>cd / d C :/ windows</code> command to enter the Windows system folder.
<i>Italics</i>	It is used for parameters and variables.	<code>bae log list --instanceid Instance_ID</code>
[ ] or [a b]	It indicates that it is an optional value, and only one item can be selected.	<code>ipconfig [-all -t]</code>

Style	Description	Example
<code>{}</code> or <code>{a b}</code>	It indicates that it is a required value, and only one item can be selected.	<code>switch {stand   slave}</code>



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# 1 Specifications and pricing

## Billing methods

You can select either of the following billing methods for ApsaraDB for POLARDB clusters.

- **Subscription:** When you create an ApsaraDB for POLARDB cluster, you need to pay for a compute cluster, including a primary node and a read-only node. The storage is billed by hour based on the data size. The fee for storage is deducted from your account by hour.
- **Pay-as-you-go:** The compute cluster and the storage (based on the data size) are billed by hour. Fees are deducted from your account by hour.

## Billing items

The following table lists the billing items of an ApsaraDB for POLARDB cluster.

Billing item	Description
Compute cluster (a primary node and a read-only node)	You can select either subscription or pay-as-you-go.
Storage	You can select pay-as-you-go.
Data backup	Free for now.

## Prices for storage

The storage is serverless. You do not need to select the storage capacity when you create a cluster. As data increases, the storage capacity automatically extends. The storage is billed based on the data size. You can check your data size on the [details page](#) of your cluster in the console.

- Regions in Mainland China: USD 0.00077/GB/hour.
- Regions outside Mainland China: USD 0.00085/GB/hour.



### Note:

- The storage capacity supports pay-as-you-go but not subscription.

- The **maximum storage capacity** varies with node specifications. If you want to increase the storage capacity, **upgrade the configuration of your cluster**.

### Prices for data backup

Currently, the storage occupied by ApsaraDB for POLARDB backup files is free of charge.

### Prices for compute nodes

You can choose from the following POLARDB node specifications. Nodes of any specifications in POLARDB use exclusive resources. The CPU, memory, storage, and input/output (I/O) resources assigned to a node are exclusive to this node and not shared with other nodes. This improves the stability and reliability of the node.

Table 1-1: POLARDB for MySQL node specifications

Node specification	CPU and memory	Maximum storage capacity	Maximum connections	Internal network bandwidth	Maximum IOPS	I/O bandwidth
polar.mysql.x2.medium	Dual-core 4 GB	5 TB	1,200	1 Gbit/s	8,000	1 Gbit/s
polar.mysql.x4.large	Quad-core 16 GB	10 TB	5,000	10 Gbit/s	32,000	4 Gbit/s
polar.mysql.x4.xlarge	8-core 32 GB	10 TB	10,000	10 Gbit/s	64,000	8 Gbit/s
polar.mysql.x8.xlarge	8-core 64 GB	30 TB	10,000	10 Gbit/s	72,000	10 Gbit/s
polar.mysql.x8.2xlarge	16-core 128 GB	50 TB	20,000	10 Gbit/s	128,000	16 Gbit/s

Node specification	CPU and memory	Maximum storage capacity	Maximum connections	Internal network bandwidth	Maximum IOPS	I/O bandwidth
polar.mysql.x8.4xlarge	32-core 256 GB	50 TB	64,000	10 Gbit/s	192,000	24 Gbit/s
polar.mysql.x8.12xlarge	88-core 710 GB	50 TB	64,000	25 Gbit/s	256,000	32 Gbit/s

**Note:**

An ApsaraDB for POLARDB cluster with a dual-core CPU and 4 GB memory provides the basic specifications required in tests, trials, and low-load scenarios. We recommend that you do not use the basic specifications in a high-load production environment. In a high-load production environment, we recommend that you use an ApsaraDB for POLARDB cluster with an 8-core CPU and 32 GB memory or higher specifications.

Table 1-2: POLARDB for MySQL prices

Node specification	Mainland China	China ( Hong Kong )	US (Silicon Valley)	Singapore	Indonesia ( Jakarta)
polar.mysql.x2.medium	USD 44/ month  USD 0.091/ hour	USD 76/ month  USD 0.117/ hour	USD 62/ month  USD 0.130/ hour	USD 76/ month  USD 0.16/ hour	USD 74/ month  USD 0.15/ hour
polar.mysql.x4.large	USD 155/ month  USD 0.323/ hour	USD 295/ month  USD 0.532/ hour	USD 240/ month  USD 0.500/ hour	USD 295/ month  USD 0.61/ hour	USD 271/ month  USD 0.57/ hour

Node specification	Mainland China	China ( Hong Kong )	US (Silicon Valley)	Singapore	Indonesia ( Jakarta)
polar.mysql.x4.xlarge	USD 310/ month  USD 0.646/ hour	USD 589/ month  USD 1.063/ hour	USD 480/ month  USD 1.000/ hour	USD 589/ month  USD 1.23/ hour	USD 542/ month  USD 1.13/ hour
polar.mysql.x8.xlarge	USD 496/ month  USD 1.033/ hour	USD 743/ month  USD 1.342/ hour	USD 620/ month  USD 1.290/ hour	USD 743/ month  USD 1.55/ hour	USD 689/ month  USD 1.44/ hour
polar.mysql.x8.2xlarge	USD 991/ month  USD 2.064/ hour	USD 1,486/ month  USD 2.684/ hour	USD 1,239/ month  USD 2.580/ hour	USD 1,486/ month  USD 3.10/ hour	USD 1,378/ month  USD 2.87/ hour
polar.mysql.x8.4xlarge	USD 1,982/ month  USD 4.128/ hour	USD 2,972/ month  USD 5.367/ hour	USD 2,477/ month  USD 5.160/ hour	USD 2,972/ month  USD 6.19/ hour	USD 2,756/ month  USD 5.74/ hour
polar.mysql.x8.12xlarge	USD 5,449/ month  USD 11.351 /hour	USD 8,173/ month  USD 14.756 /hour	USD 6,811/ month  USD 14.190 /hour	USD 8,173/ month  USD 17.03/ hour	USD 7,577/ month  USD 15.78/ hour

**Note:**

- Each price in the preceding tables is for a single node. An ApsaraDB for POLARDB cluster consists of a primary node and a read-only node by default.
- You can select node specifications for the primary node when you create a cluster. The read-only node has the same specifications as the primary node.

- Each maximum input/output operations per second (IOPS) value is theoretical.
- The maximum connections of a cluster depend on the specifications of the nodes in the cluster. Increasing the number of nodes does not increase the maximum connections of the cluster.
- If you need higher computing capabilities and storage capacity (such as 100 TB), [open a ticket](#) to contact after-sales support engineers.

## FAQ

- Q: What is the price for an additional read-only node?

A: A read-only node has the same price as the primary node in the same cluster. For more information, see [node specifications and prices](#) in this topic.

- Q: Does an added read-only node double the storage capacity of a cluster?

A: No. POLARDB separates its computing and storage capabilities. A read-only node that you purchase is only a compute node. It does not increase the storage capacity of a cluster.

The storage is serverless. You do not need to select the storage capacity when you create a cluster. As data increases, the storage capacity automatically extends.

The storage is billed based on the data size. The [maximum storage capacity](#) varies with node specifications. If you want to increase the storage capacity, [upgrade the configuration of your cluster](#).

## 2 Renewal

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You can renew subscription clusters to prolong their subscription periods. Pay-as-you-go clusters are billed based on the actual usage and never expire. You do not need to renew pay-as-you-go clusters. You only need to ensure that your Alibaba Cloud account has sufficient balance.

### Fees

The prices of renewed clusters are the same as those of newly created clusters. For more information, see [#unique\\_5](#).

### Deduction time

- **Auto renewal:** Fees are first deducted at 08:00 on the ninth day before a subscription cluster expires. If the deduction failed, the system tries to deduct fees once a day until fees are deducted or the expiration date arrives. You need to ensure that your Alibaba Cloud account has sufficient balance. If your cluster expires tomorrow, renew the cluster manually.
- **Manual renewal:** Pay manually if you want to renew a subscription cluster.

## 3 Configuration change fees

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This topic describes the fees for changing the configuration of pay-as-you-go and subscription clusters.

### Pay-as-you-go

Pay-as-you-go clusters are billed by hour. After the configuration of a pay-as-you-go cluster changes, the cluster is billed at the new price by hour.

### Subscription

Configuration change	Billing description
Upgrade configuration or add nodes	<p>Payment = Total fees of the new configuration for the remaining subscription period (The monthly price of the new configuration/30/24 × The remaining hours) - Total fees of the original configuration for the remaining subscription period (The monthly price of the original configuration/30/24 × The remaining hours).</p> <p>Example: The monthly price of the new configuration is USD 14,400 . The monthly price of the original configuration is USD 7,200. The remaining subscription period is 50 days. The payment is calculated as follows: <math>(14,400/30/24 \times 50 \times 24) - (7,200/30/24 \times 50 \times 24) = \text{USD } 12,000</math> .</p>

Configuration change	Billing description
Downgrade configuration or delete nodes	<p>Refund = Total fees of the original configuration for the remaining subscription period (The monthly price of the original configuration/30/24 × The remaining hours) - Total fees of the new configuration for the remaining subscription period (The monthly price of the new configuration/30/24 × The remaining hours).</p> <p>Example: You subscribed to a cluster for three months, during which the original configuration charged USD 3,500. You paid USD 3,000 after using coupons. After two months, the total fees of the original configuration for the remaining month are USD 1,000. The total fees of the new configuration for a month are USD 800. The refund is calculated as follows: 1000 - 800 = USD 200.</p> <div>  <p><b>Note:</b> You can be refunded for downgrading the configuration of a subscription cluster, but cannot be refunded for the whole cluster. If you need to be refunded for the whole cluster, open a ticket to submit an application. If your application is approved, your subscription cluster is frozen and will be deleted in 14 days.</p> </div>

**Note:**

If you upgrade the configuration of a cluster and then downgrade the configuration, you may get fewer refunds in the following two scenarios:

- You used discounts in the upgrade order: For example, you subscribed to the cluster for a year at a 15% discount, which means you only need to pay USD 850 to enjoy USD 1,000 worth of service. Then, a refund for downgrading the configuration is calculated based on USD 850.
- You used coupons in the upgrade order: When you downgrade the configuration of the cluster, the refund of the original configuration is calculated based on the cash you paid, excluding the amount deducted by coupons. However, when you upgrade the configuration of the cluster, the fees of the original configuration are calculated based on the unit price of the original configuration, including the amount deducted by coupons.



## Related documents

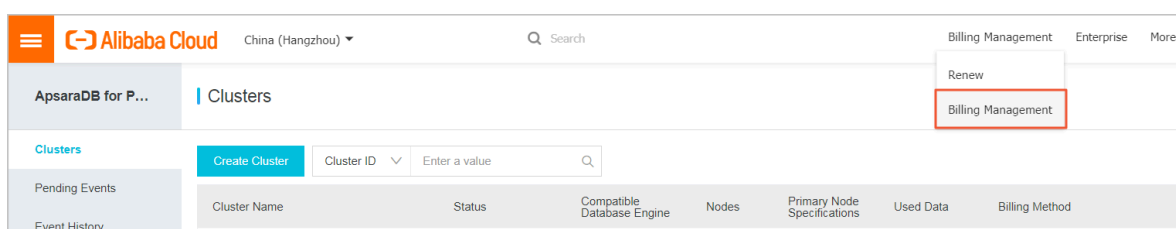
[#unique\\_10](#)

## 4 Consumption details

You can view the billing details of each ApsaraDB for POLARDB cluster in the console, including the fees of the storage, SQL explorer, and read-only nodes. This topic describes how to view your consumption details in the console.

### Procedure

1. Log on to the [ApsaraDB for POLARDB console](#).
2. In the upper-right corner of the page, choose Billing Management > Billing Management.



3. In the left-side navigation pane, choose Purchases record > Purchases details.
4. Click the Cloud products tab.
5. Click the Details of bill records tab.
6. Click the Pre-payment tab or the Post-payment tab. The following table describes the specific billing items on the two tabs.

Tab	Billing item
Post-payment	<ul style="list-style-type: none"> <li>• The fees paid for each pay-as-you-go cluster.</li> <li>• The additional fees paid for each subscription or pay-as-you-go cluster, including the fees of the storage and SQL explorer.</li> </ul>
Pre-payment	The fees paid for each subscription cluster.

7. Set filter criteria as needed and click Query.



#### Note:


- Account period refers to the time when a bill is generated but not the time when a service is used. For example, if you used a service at 23:00 on January 31 and the bill was generated at 01:00 on February 1, the account period of this service PO is in February.

- Currently, you can query data only within a natural month. You cannot select a time range that spans several natural months. For example, you cannot select a time range from February 10, 2018 to March 10, 2018. If you want to query data that was generated more than 12 months ago, open a ticket.

8. Find the bill you want to view and click Details in the Operation column. The following figures show the details pages of bills on the Pre-payment and Post-payment tabs.

- **Pre-payment:** You can view the configuration details of the cluster, the start time and end time of the bill, and the amount.

[illegible]

- **Post-payment:** In the Bill details section, find the cluster you want to view. Click  to the right of the target cluster to view the billing details of the cluster.

Summary	
Product : ApsaraDB for POLARDB (Pay-as-you-go)	Bill No. : 0000000000000000
Billing time : 2019-08-13 13:00:00 - 2019-08-13 14:00:00	Billing plan : Others
Payment status : Payment made [ 0.00.00 ] = [ 0.00.00 payment ] + [ 0.00.00 ] = [ 0.00.00 payment ] + [ 0.00.00 ] = [ 0.00.00 payment ] + [ 0.00.00 ] = [ 0.00.00 payment ] + [ 0.00.00 ]	
Cost details	
Total payable amount : [ 0.00.00 ] ^	
Instance ID:pc-pgcn-j7vmlqg79-gd7mzjgn-pgcn-j7vmlqg79-gd7mzjgn	
Payable subtotal [ 0.00.00 ] ^	
Database Storage	3.212GB [ 0.00.00 ]
SQL Explorer	0.000GB [ 0.00.00 ]