

Alibaba Cloud

Message Queue for Apache Kafka 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 .
Courier font	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>


Table of Contents

1. Billing	05
2. Billing	06

1. Billing

2. Billing

This topic describes the instance editions, network types, billing items, and billing methods of Message Queue for Apache Kafka for you to better understand the billing rules and select instances as needed.

 **Note** Message Queue for Apache Kafka is free of charge during public preview. You will be charged after public preview.

Instance editions

Message Queue for Apache Kafka provides instances of the Professional Edition and the Standard Edition by specifications.

Item	Professional Edition	Standard Edition
Version	<ul style="list-style-type: none"> Version 0.10.x to version 2.x are supported. Version 2.x is compatible with version 0.11.x and version 1.x. The default version is version 0.10.x. For more information about how to upgrade the version, see Upgrade the instance version. 	Only version 0.10.x is supported.
Instance type	Exclusive instances, with a dedicated physical node for each instance	Virtual instances, with some instances sharing a physical node
Message storage time	Customized based on your scenarios	Up to 7 days
Disaster recovery	Multi-zone deployment	Single-zone deployment
Performance optimization	Customized based on business scenarios	Not supported
Cross-region message router	Coming soon	Not supported
Topic	Number of available topics = Number of purchased topics × 2	Number of available topics = Number of purchased topics

Network types


Instances of the VPC type: provide only the default endpoints and can be accessed only through [VPC](#) networks.

Billing items

The following table describes the billing items of Message Queue for Apache Kafka.

Billing item	Description	Remarks
Peak traffic	<p>The purchase of peak traffic is described as follows:</p> <ul style="list-style-type: none"> Dual-channel read/write is implemented, and the read traffic is consistent with the write traffic. Set the peak traffic based on the maximum value of the peak read or write traffic. For business stability, a margin of about 30% of the maximum value of the peak read or write traffic is purchased for buffering. For example, if the peak write traffic is 100 MB/s and the peak read traffic is 200 MB/s, you need to purchase an instance that has the peak traffic as follows: 200 MB/s × (1 + 30%). The maximum numbers of topics and partitions are specified for different peak traffic specifications. If the number of topics or partitions you want to create exceeds the maximum number specified for the peak traffic, you need to upgrade instance specifications or delete useless topics or partitions. For more information about how to upgrade instance specifications, see Upgrade the instance configuration. Each peak traffic specification has a disk space limit. 	None
Disk capacity	<p>To ensure the performance and storage space, each peak traffic specification has a disk space limit. That is, you need to purchase an allowed disk capacity. The peak traffic is also limited by the disk type. Message Queue for Apache Kafka supports the following disk types:</p> <ul style="list-style-type: none"> Ultra disk: <ul style="list-style-type: none"> Standard Edition: supports a maximum of 120 MB/s peak traffic. Professional Edition: does not support the ultra disk <p>The maximum peak traffic is 120 MB/s.</p> (Recommended) SSD: <ul style="list-style-type: none"> Standard Edition: supports a maximum of 120 MB/s peak traffic. Professional Edition: supports a maximum of 2,000 MB/s peak traffic. 	<p>The disk type cannot be changed after the order is placed. Select the disk type with caution. The 3-replica mechanism is used for both cloud storage and local storage. For example, if your actual business storage capacity is 100 GB, you need to purchase 300 GB for three replicas.</p>

Billing item	Description	Remarks
Topic specifications	<ul style="list-style-type: none"> • Topic specifications vary with peak traffic. For more information about the mappings between topic specifications and peak traffic values, see the billing rules for peak traffic in Billing methods. • In addition to the default number of partitions, 16 partitions are added for each additional topic. For example, you have purchased an instance that has 50 topics, 20 MB/s peak traffic, and 400 partitions by default. After you add 10 topics for this instance, the number of partitions of this instance is increased by 160, and the total number of partitions becomes 560. • The number of topics available for an instance of the Professional Edition is twice the number of purchased topics for this instance. For example, if you purchase a Professional Edition instance that has 50 topics, the actual number of topics you can create in the instance is 100. 	None

 **Note**

- You need to pay the fees of all billing items.
- You can set the **Maximum Message Retention Period** parameter to conserve disk capacity. This parameter indicates the maximum retention period of a message when the disk capacity is sufficient. When the disk capacity is insufficient (that is, the disk usage reaches 90%), the old messages are deleted in advance to ensure service availability. By default, the maximum retention period of a message is 72 hours. This value ranges from 24 hours to 168 hours.
- The number of API calls is not a billing item.

Billing methods

Currently, Message Queue for Apache Kafka only supports subscription.

Formulas

Total fee = (Unit price of peak traffic + Unit price of disk capacity × Purchased disk capacity/100 + Topic unit price × Number of added topics) × Number of months

Billing rules

Billing rules include the rules for the peak traffic, disk capacity, and added topics:

- Billing rules for peak traffic

Billing rules for peak traffic are related to instance editions.

Billing rules for peak traffic (Standard Edition)

Peak traffic (MB/s)	Number of topics	Number of partitions	Unit price in Region 1 (USD/month)	Unit price in Region 2 (USD/month)	Unit price in Region 3 (USD/month)
20	50	400	250	370	340
30	50	500	360	530	480
60	80	600	520	760	700
90	100	800	660	960	880
120	150	900	800	1,160	1,070

Billing rules for peak traffic (Professional Edition)

Peak traffic (MB/s)	Number of topics	Number of partitions	Unit price in Region 1 (USD/month)	Unit price in Region 2 (USD/month)	Unit price in Region 3 (USD/month)
20	50	1,100	600	870	800
30	50	1,200	780	1,040	1,040
60	80	1,400	1,130	1,510	1,510
90	100	1,600	1,440	1,920	1,920
120	150	1,800	1,750	2,330	2,330
160	180	2,000	2,060	2,740	2,740
200	200	2,200	2,980	3,970	3,970
250	250	2,500	3,430	4,570	4,570
300	300	3,000	3,880	5,170	5,170
600	450	4,500	5,280	7,030	7,030
800	500	5,000	6,220	8,280	8,280
1,000	600	6,000	7,270	9,670	9,670
1,200	700	7,000	8,100	10,780	10,780
1,500	800	8,000	9,500	12,640	12,640
1,800	900	9,000	10,910	14,520	14,520
2,000	1,000	10,000	12,070	16,060	16,060

- Billing rules for disk capacity

Disk type	Disk size (GB)	Unit price in Region 1 (USD/month)	Unit price in Region 2 (USD/month)	Unit price in Region 3 (USD/month)
Ultra disk	100	6	8	8
SSD	100	16	23	21

- Billing rules for added topics

Billing item	Number of topics	Unit price in Region 1 (USD/month)	Unit price in Region 2 (USD/month)	Unit price in Region 3 (USD/month)
Topic	1	7	11	10

Regions

Message Queue for Apache Kafka supports the following regions:

Region Type	Region
Region 1	China (Hangzhou)
	China (Shanghai)
	China (Qingdao)
	China (Beijing)
	China (Zhangjiakou-Beijing Winter Olympics)
	China (Hohhot)
	China (Shenzhen)
	China (Heyuan)
	China (Chengdu)
Region 2	China (Hong Kong)
	Singapore (Singapore)
	Japan (Tokyo)
	US (Virginia)
	US (Silicon Valley)
	Germany (Frankfurt)
	UK (London)

Region Type	Region
Region 3	Malaysia (Kuala Lumpur)
	India (Mumbai)
	Indonesia (Jakarta)