Alibaba Cloud

Alibaba Cloud Message Queue
Pricing

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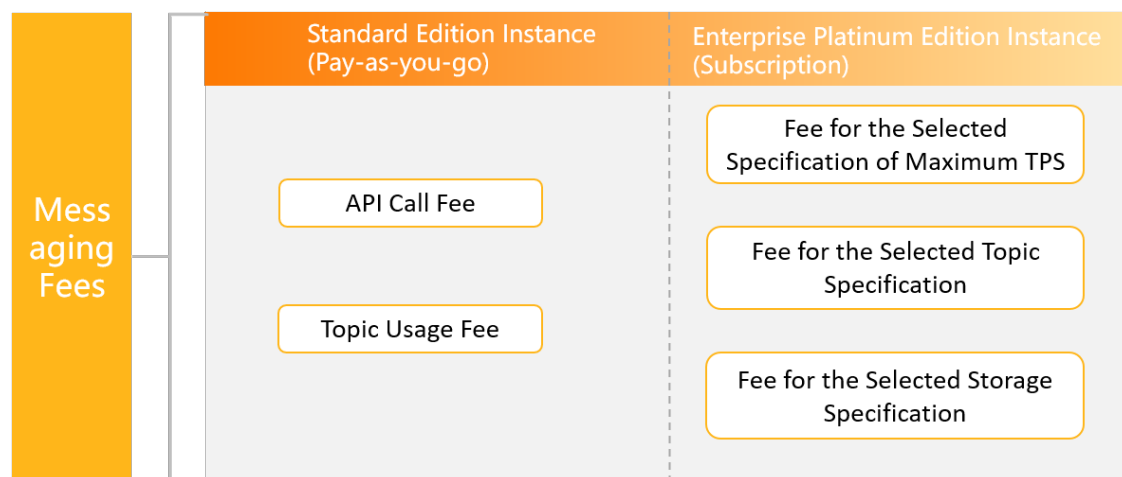| Style	Description	Example
⚠ Danger	A danger notice indicates a situation that will cause major system changes, faults, physical injuries, and other adverse results.	⚠ **Danger:** Resetting will result in the loss of user configuration data.
🔔 Warning	A warning notice indicates a situation that may 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 `cd /d C:/window` command to enter the Windows system folder.
Italic	Italic formatting is used for parameters and variables.	`bae log list --instanceid` *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.Overview

Message Queue for Apache RocketMQ
charges you for messaging that is its basic feature. This topic describes the billable items of
Message Queue for Apache RocketMQ
and provides references to the billing of the service.

Messaging (basic feature)

Messaging is the basic feature of
Message Queue for Apache RocketMQ
. After you activate
Message Queue for Apache RocketMQ
, the messaging feature is available by default.
The following figure shows the billable items of the messaging feature.

- **Messaging fees of a Standard Edition instance = API call fee + Topic usage fee**
  Standard Edition instances are billed on a pay-as-you-go basis. They are applicable to scenarios
  where the number of messages is small or significantly fluctuates in different periods of time. You are
  charged only for the messages transmitted and the resources you used. This allows you to maximize
  resource usage.

- **Messaging fees of an Enterprise Platinum Edition instance = Fee for the selected
  specification of maximum TPS + Fee for the selected topic specification + Fee for the
  selected storage specification**
  Enterprise Platinum Edition instances are billed on a subscription basis. They are applicable to
  scenarios where the service level agreement (SLA) requirements are high or the number of messages is
  large. The subscription billing method allows you to reserve resources in advance and helps you
  minimize costs with high discounts.

For more information about the billable items of the messaging feature and related unit prices, see Pricing
details about the messaging feature.
For more information about the differences between a Standard Edition instance and an Enterprise
Platinum Edition instance in specifications and features, see Instance editions.

Billing topics

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2.Pricing details about the messaging feature

Messaging is the basic feature of
Message Queue for Apache RocketMQ
. After you activate
Message Queue for Apache RocketMQ
, the messaging feature is available by default. This topic describes the pricing details about the messaging feature of
Message Queue for Apache RocketMQ
and provides billing examples.

Standard Edition instances

Standard Edition instances are billed on a pay-as-you-go basis. They are applicable to scenarios where the number of messages is small or significantly fluctuates in different periods of time. You are charged only for the messages transmitted and the resources you used. This allows you to maximize resource usage.

Standard Edition instances of

Message Queue for Apache RocketMQ
are billed on a pay-as-you-go basis and offer free service quotas for some items. The following items are temporarily free. You will be notified by a mobile text message, Alibaba Cloud announcement, or site message if these items are no longer free of charge.

> ⑦ **Note**   The following items are free only for pay-as-you-go instances. These items are not free for subscription instances.

- Message accumulation
- The first 20 million API calls per month (cumulative in all regions)

The messaging fees of a Standard Edition instance are calculated by using the following formula.

Messaging fees = API call fee + Topic usage fee

- The following table lists the unit prices for the API call fee.API call fee

Billing tier	Number of API calls (100 million calls/month)	Unit price by region (USD/1 million calls)		
		China (Hong Kong), Singapore (Singapore), Japan (Tokyo), and UAE (Dubai)	Malaysia (Kuala Lumpur), India (Mumbai), and Indonesia (Jakarta)	China (Shanghai), Australia (Sydney), US (Virginia), US (Silicon Valley), Germany (Frankfurt), and UK (London)
First tier	0~10	0.45	0.42	0.31

Billing tier	Number of API calls (100 million calls/month)	Unit price by region (USD/1 million calls)		
		China (Hong Kong), Singapore (Singapore), Japan (Tokyo), and UAE (Dubai)	Malaysia (Kuala Lumpur), India (Mumbai), and Indonesia (Jakarta)	China (Shanghai), Australia (Sydney), US (Virginia), US (Silicon Valley), Germany (Frankfurt), and UK (London)
Second tier	10~50	0.41	0.38	0.28
Third tier	50~100	0.34	0.31	0.23
Fourth tier	100~500	0.3	0.27	0.20
Fifth tier	More than 500	0.27	0.25	0.19

- The following table lists the unit prices for the topic usage fee.Topic usage fee

Billing tier	Number of API calls (100 million calls/topic/day)	Unit price by region (USD/topic/day)		
		China (Hong Kong), Singapore (Singapore), Japan (Tokyo), and UAE (Dubai)	Malaysia (Kuala Lumpur), India (Mumbai), and Indonesia (Jakarta)	China (Shanghai), Australia (Sydney), US (Virginia), US (Silicon Valley), Germany (Frankfurt), and UK (London)
First tier	0~10	0.45	0.42	0.31
Second tier	100~500	0.34	0.31	0.23
Third tier	500~1000	0.11	0.11	0.08
Fourth tier	More than 1,000	0	0	0

⑦ Note
If you use an Alibaba Cloud account to authorize another Alibaba Cloud account, fees are charged to both the Alibaba Cloud accounts. If you use an Alibaba Cloud account to authorize Resource Access Management (RAM) users, the API calls made and topics used by the RAM users are charged to this Alibaba Cloud account.

Assume that you create an instance in the China (Hangzhou) region. The following information shows the messaging data and the number of topics you created on the instance:

- Number of created topics: 20
- Total number of messages produced per day: 1 million (including 500,000 normal messages and 500,000 featured messages)

- Message production-delivery ratio: 1 (1 million messages produced and 1 million messages delivered)
- Average size of a single message: 40 KB

The messaging fees for the instance are calculated in the following way:

- **API call fee**:
Number of API calls: (500,000 + 500,000 × 5) × 2 × (40/4) = 60,000,000
The unit price varies with the number of API calls. The number 60 million falls in the first tier, and the corresponding unit price is CNY 2/1 million calls. Therefore, the total API call fee is CNY 120 based on the formula: (6000/100) × 2 = 120.

- **Topic usage fee**:
The number of created topics is 20. The unit price varies with the number of API calls. The number of API calls per topic per day is 3 million based on the formula: 60 million/20 = 3 million. The number 3 million falls in the second tier, and the corresponding unit price is CNY 1.5/topic/day. Therefore, the topic usage fee is CNY 30 based on the formula: 20 × 1.5 = 30.

Messaging fees = API call fee + Topic usage fee = CNY 150

Free service quotas

Billable items

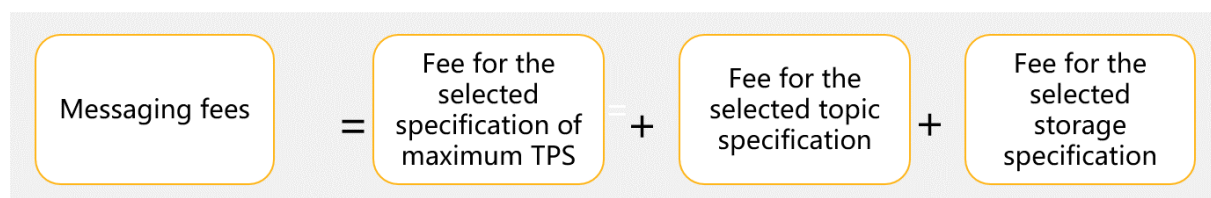| API调用费用 ❯ |
| Topic资源占用费 ❯ |
| API call fee ❯ |
| Topic usage fee ❯ |

Unit prices

Billing examples

Enterprise Platinum Edition instances

Enterprise Platinum Edition instances are billed on a subscription basis. They are applicable to scenarios where the service level agreement (SLA) requirements are high or the number of messages is large. The subscription billing method allows you to reserve resources in advance and helps you minimize costs with high discounts.

The messaging fees of an Enterprise Platinum Edition instance are calculated by using the following formula:

- **Fee for the selected specification of maximum TPS**: The maximum TPS indicates the maximum total number of messages sent and subscribed to per second.
The minimum unit for calculating the number of messages sent and subscribed to is 1 KB of message body. Assume that 5,000 messages are sent per second, 5,000 messages are delivered per second, and the average message body size for each message is 4 KB. The maximum TPS is 40,000 messages/second based on the formula: (4/1) × (5,000 + 5,000) = 40,000.

- **Fee for the selected topic specification**: The topic specification indicates the maximum number of topics that you can create on the Enterprise Platinum Edition instance.

- **Fee for the selected storage specification**: The storage specification indicates the size of the exclusive physical storage space for the Enterprise Platinum Edition instance.

For more information about the pricing and examples of Enterprise Platinum Edition instances, visit the buy page of Enterprise Platinum Edition instances.

Billable items

Billing details

3.Instance editions

Message Queue for Apache RocketMQ
provides instances of the Enterprise Platinum Edition and the Standard Edition. You can choose an
appropriate edition based on the following comparison.
The following table compares the Enterprise Platinum Edition and the Standard Edition.

Item	Enterprise Platinum Edition	Standard Edition
Billing method	Subscription	Pay-as-you-go (default method)
Instance type	Dedicated instances, with a dedicated physical node for each instance	Shared instances, with virtual isolation implemented
Availability	99.99%. The cumulative unavailability period cannot exceed 4.3 minutes per month. ⑦ **Note** Message Queue for Apache RocketMQ Enterprise Platinum Edition has been fault-free since it was launched in 2017. It minimizes the risk of business loss.	99.9%. The cumulative unavailability period cannot exceed 43 minutes per month.
Expert service	• Product and R&D experts provide online support to help you troubleshoot online issues at the earliest opportunity. • Support is provided for sales promotions and business launches. • The architecture design, suggestions on high stability, parameter tuning, and best practices for Message Queue for Apache RocketMQ are provided.	Not supported
Multiple access methods	Access is allowed from virtual private clouds (VPCs), the classic network, and the Internet.	Not supported

Item	Enterprise Platinum Edition	Standard Edition
Message retention period	A longer message retention period is supported. The message retention period specified when you purchase your instance prevails.	3 days
Message attribute filtering based on SQL statements	SQL statements can be used to filter message attributes. This improves the efficiency of message subscription and processing.	Not supported
Transmission encryption	Transmission encryption is supported to ensure data security.	Not supported
Ordered Message 2.0 and message subscription in pull mode based on the SDK for Java	Supported	Not supported
Message tracing	All instances support message tracing by default.	Not supported by default. You must apply based on the topic name or consumer group ID.

4.Free quotas

Some items are free for pay-as-you-go
Message Queue for Apache RocketMQ
instances.

The following items are temporarily free. You will be notified by a mobile phone text message, Alibaba Cloud announcement, or site message if the items become billable.

> ⑦ **Note**   The following items are free only for pay-as-you-go instances, instead of subscription instances.

- Message accumulation
- The first 20 million API calls per month (cumulative in all regions)

5.Billing cycles and rules on overdue payments

For pay-as-you-go and subscription instances,
Message Queue for Apache RocketMQ
adopts different billing cycles and releases instances based on different rules. This topic describes the
billing cycles and rules on overdue payments of Message Queue for Apache RocketMQ instances.

Billing cycle and rules on overdue payments of Standard Edition instances

- Instances of
  Message Queue for Apache RocketMQ
  Standard Edition are billed in pay-as-you-go mode. The billing cycle of pay-as-you-go instances is 24
  hours. On the next calendar day, Alibaba Cloud charges your service use of the previous calendar day,
  issues a bill, and deducts the service fees from your Alibaba Cloud account balance based on the bill
  amount. A bill is generally issued within 8 to 10 hours after the current billing cycle ends.

- When your account balance is insufficient to pay the bill amount, Alibaba Cloud suspends the
  Message Queue for Apache RocketMQ
  service for you. This means that you cannot access the
  Message Queue for Apache RocketMQ
  console or make API requests.

- If you do not settle your unpaid bill within 72 hours, Alibaba Cloud releases your
  Message Queue for Apache RocketMQ
  instance and deletes the topics and group IDs that you create in the instance. The released instance
  and its resources cannot be restored.

Rules on overdue payments of Enterprise Platinum Edition instances

Instances of

Message Queue for Apache RocketMQ
Enterprise Platinum Edition are billed in subscription mode. After your instance expires, Alibaba Cloud
will suspend the service for you. If the instance is not renewed within 168 hours, the system will process
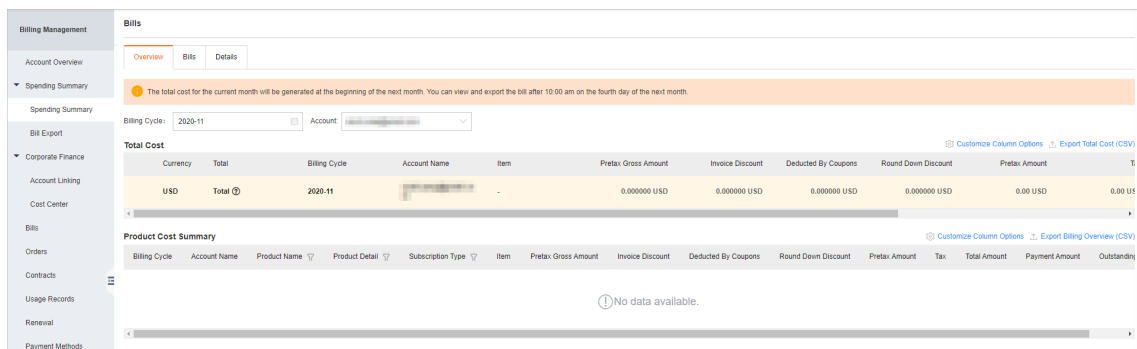the instance and its resources based on the **Post-release Action** of the instance.

- **Delete Resources After Release**: deletes the instance and all its topic and group resources. The
  resources cannot be restored after they are deleted.

- **Change to Standard Edition After Release**: changes the instance type from the Enterprise
  Platinum Edition to the Standard Edition and then bills the instance in pay-as-you-go mode. For more
  information about the billing details, see Overview. If you no longer need to use the instance, delete
  the instance and its resources.

For more information about how to configure **Post-release Action**, see Change the post-release
action for an instance.
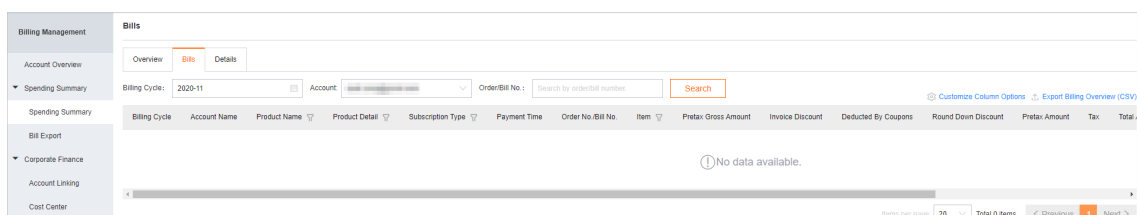
6.View spending details

If you have any questions about the spending details on
Message Queue for Apache RocketMQ
, view them in the Billing Management console.

1. Log on to the
   Message Queue for Apache RocketMQ
   console.

2. In the top navigation bar, move the pointer over **Expenses** and click **User Center**.

3. In the left-side navigation pane, choose **Spending Summary > Spending Summary** to view your
   spending details.

   - Overview: On the **Spending Summary** page, click **Overview** to view the bills of all services
     under your account.

   - Bills: On the **Spending Summary** page, click **Bills** to view bills whose billing cycle is one day. For
     example, if you continued using
     Message Queue for Apache RocketMQ
     from 00: 00 on September 28 to 00: 00 on September 29, one bill is displayed.

     > ⑦ **Note** A bill is issued for
     > Message Queue for Apache RocketMQ
     > every 24 hours. A bill is issued within 8 to 10 hours after the current billing cycle ends, and
     > you can view the bill next day.

   - Details: On the **Spending Summary** page, click **Details** to view details about all bills under your
     account. You can also view the topic usage and API calls of each application in the billing cycle.

7.Change the billing method from pay-as-you-go to subscription

You can change the billing method of your
Message Queue for Apache RocketMQ
instance from pay-as-you-go to subscription by upgrading your instance from the Standard Edition to the Enterprise Platinum Edition. This way, you can enjoy the dedicated instance services provided by the Enterprise Platinum Edition.

Context

- Standard Edition instances use the pay-as-you-go billing method. For more information about billing items, see Overview.

- Enterprise Platinum Edition instances use the subscription billing method. For more information about billing items, see Overview.

Considerations

If you change the billing method of an instance, the running of the instance will not be affected.

Procedure

1. Log on to the
   Message Queue for Apache RocketMQ
   console.

2. In the upper-right corner, choose **Upgrade to Enterprise Platinum Edition > Buy Platinum Edition**.

3. On the **Message Queue for Apache RocketMQ Enterprise Platinum Edition** page, set parameters and click **Buy Now**. Then, complete the payment as prompted.

4. On the **Instance Details** page, choose **Upgrade to Enterprise Platinum Edition > Upgrade to Platinum Edition**.

5. In the **Upgrade to Platinum Edition** dialog box, select the instance that you want to upgrade and click **OK**.

8.Operations on Enterprise Platinum Edition instances

This topic describes how to upgrade, downgrade, renew, and change the post-release action for an Enterprise Platinum Edition instance.

Context

If you upgrade or downgrade an Enterprise Platinum Edition instance, the changes take effect in the current subscription cycle. If you renew an Enterprise Platinum Edition instance, the changes take effect in the next subscription cycle.

Upgrade an instance

You can upgrade the specifications of an Enterprise Platinum Edition instance based on your needs.

1. Log on to the
   Message Queue for Apache RocketMQ
   console.

2. In the left-side navigation pane, click **Instances**.

3. In the top navigation bar, select a region, such as **China (Hangzhou)**.

4. On the **Instances** page, find the instance that you want to upgrade, and click the instance name or click **Details** in the **Actions** column.

5. On the **Instance Details** page, click **Upgrade** in the upper-right corner.

6. On the **Upgrade/Downgrade** page, set the parameters, select **Message Queue for Apache RocketMQ Enterprise Platinum Edition Terms of Service**, and then click **Buy Now**. Then, complete the payment as prompted.

Downgrade an instance

You can downgrade the specifications of an Enterprise Platinum Edition instance based on your needs.

> ? **Note**   After the specifications of the Enterprise Platinum Edition instance are downgraded, the system returns the refundable amount to your account that you used to purchase the instance.

1. Log on to the
   Message Queue for Apache RocketMQ
   console.

2. In the left-side navigation pane, click **Instances**.

3. In the top navigation bar, select a region, such as **China (Hangzhou)**.

4. On the **Instances** page, find the instance that you want to downgrade, and click the instance name or click **Details** in the **Actions** column.

5. On the **Instance Details** page, click **Downgrade** in the upper-right corner.

6. On the **Upgrade/Downgrade** page, set the parameters, select **Message Queue for Apache RocketMQ Enterprise Platinum Edition Terms of Service**, and then click **Buy Now**. Then, complete the payment as prompted.

Renew an instance

The auto-renewal feature of

Message Queue for Apache RocketMQ
applies only to Enterprise Platinum Edition instances. You can configure auto-renewal for an instance or
manually renew an instance as needed.

If you need to use a service for a long time, you can enable the auto-renewal feature. After the auto-
renewal feature is enabled, the system performs auto-renewal before your resources expire to ensure
that your resources and data are not deleted.

Auto-renewal is triggered based on the following rules:

- Auto-renewal is triggered nine days before your instance expires. If auto-renewal fails, it is triggered
  once a day until it succeeds or until one day before expiration.

- The auto-renewal process starts at 08:00 (UTC+8) every day. However, the actual auto-renewal may
  take place after 08:00 because the operation is performed sequentially. The majority of auto-
  renewal operations take place before 18:00 on the same day.

- Expiration time: Assume that an instance expires at 00:00 on December 11. In this case, the day
  before the expiration date starts at 00:00 on December 10. The sixth day after the expiration date
  starts at 00:00 on December 17.

> ⑦ Note
>
>   - Auto-renewal is not triggered immediately after you enable it. Auto-renewal is triggered
>   only at the fixed times described in the preceding section.
>
>   - If you enable auto-renewal after your instance expires, auto-renewal will not be triggered.
>
>   - If you enable auto-renewal after 08:00 on the day before the expiration date, auto-
>   renewal may not take effect. To avoid this issue, we recommend that you enable auto-
>   renewal in advance.

Auto-renewal methods:

- Method 1: Enable auto-renewal for a new purchase
- Method 2: Enable auto-renewal in the Renewal Management console

    i. Log on to the
       Message Queue for Apache RocketMQ
       console. Obtain the value of **Instance ID for Renewal:** of your Enterprise Platinum Edition
       instance.

    ii. In the top navigation bar, choose **Expenses > Renewal Management**.

    iii. On the Renewal page, enter the value of **Instance ID for Renewal:** that you obtained in Step a
         in the **Instance ID** field, and click **Search**.

    iv. In the **Actions** column, click **Enable Auto Renewal**.

    v. Enable auto-renewal as prompted.

If you need to continue using Message Queue for Apache RocketMQ but auto-renewal is not enabled
for your instance, you can manually renew the instance before it expires.

Rules for manual renewal:

- Limits on instances: You cannot renew an instance that has expired for more than seven days.

- Limits on renewal duration: You can renew an instance for one to nine months, one year, two years,
  or three years.

Manual renewal method:

1. Log on to the
   Message Queue for Apache RocketMQ
   console.

2. In the left-side navigation pane, click **Instances**.

3. In the top navigation bar, select a region, such as **China (Hangzhou)**.

4. On the **Instances** page, find the instance that you want to renew, and click the instance name or click **Details** in the **Actions** column.

5. On the **Instance Details** page, click **Renew** in the upper-right corner.

6. On the **Renew** page, set **Duration**, select **Message Queue for Apache RocketMQ Enterprise Platinum Edition Terms of Service**, and then click **Buy Now**. Then, complete the payment as prompted.

Auto-renewal

Manual renewal

Change the post-release action for an instance

You can change the action for processing resources based on your business needs after your Enterprise Platinum Edition instance is refunded or released due to expiration.

Message Queue for Apache RocketMQ
provides the following two options:

- **Delete Resources After Release**: deletes the instance and all its topic and group resources. The resources cannot be restored after they are deleted.

- **Change to Standard Edition After Release**: changes the instance type from the Enterprise Platinum Edition to the Standard Edition and then bills the instance in pay-as-you-go mode. For more information about the billing details, see Overview. If you no longer need to use the instance, delete the instance and its resources.

The default post-release action of an Enterprise Platinum Edition instance is **Delete Resources After Release**. You cannot change the post-release action when you create the instance. You can change the post-release action on the Instance Details page of the instance after you create the instance. To change the post-release action, perform the following steps:

1. Log on to the
   Message Queue for Apache RocketMQ
   console.

2. In the left-side navigation pane, click **Instances**.

3. In the top navigation bar, select a region, such as **China (Hangzhou)**.

4. On the **Instances** page, find the instance for which you want to change the post-release action, and click the instance name or click **Details** in the **Actions** column.

5. On the **Instance Details** page, click **Configure Post-release Action** in the upper-right corner.

6. In the Configure Post-release Action for Enterprise Platinum Edition Instance panel, select a value for **Post-release Action** and click **OK**.
   After the configuration is complete, you can view the value of **Post-release Action** in the **Overview** section of the **Instance Details** page.

9.Refund rules and instructions

After you purchase a
Message Queue for Apache RocketMQ
instance, you can apply for a refund. The following section describes the application requirements and steps:

Application requirements

Only Enterprise Platinum Edition instances are eligible for full refunds when the following requirements are met:

- You have not deployed any applications after you purchase a
  Message Queue for Apache RocketMQ
  Enterprise Platinum Edition instance.

- You have not upgraded the
  Message Queue for Apache RocketMQ
  Enterprise Platinum Edition instance after you purchase it.

Refund methods

You can submit a ticket. We recommend that you select **Financial Support**.

10.Billing FAQ

- Why am I charged USD 0.45 on a daily basis?
- Why did I receive a bill and get charged today even though I already deleted the topic yesterday?
- Why did I get charged even though I have not used ?
- I saw in the console that is not activated, but why am I billed for ?
- How do I disable ?
- The total number of messages in one day was 631,238. However, the number of API calls in the bill was 126,315,056. Where did these API calls come from?
- How can I renew my Enterprise Platinum Edition instance?

Why am I charged USD 0.45 on a daily basis?

The billing items of
Message Queue for Apache RocketMQ
include API calls and topic usage. The usage charges for each topic is USD 0.45/day for the first tier. For more information, see Overview.

Why did I receive a bill and get charged today even though I already deleted the topic yesterday?

The topic usage charges are calculated from 00:00:00 to 23:59:59 each day, and are billed on the next day. Therefore, the topic that you deleted yesterday had already been counted in the billing system, and you received a bill today. You will not receive a bill tomorrow.

Why did I get charged even though I have not used

Message Queue for Apache RocketMQ
?
Log on to the Billing Management console to view your bills and check whether you have used

Message Queue for Apache RocketMQ

.
If you do not need to use

Message Queue for Apache RocketMQ
any more, delete all resources in the
Message Queue for Apache RocketMQ
console to avoid unnecessary expenses.

I saw in the console that

Message Queue for Apache RocketMQ
is not activated, but why am I billed for
Message Queue for Apache RocketMQ
?
When your

Message Queue for Apache RocketMQ
instance has been in arrears for more than 72 hours, Alibaba Cloud will suspend the service. You cannot access the
Message Queue for Apache RocketMQ
console and
Message Queue for Apache RocketMQ

API. However, you still must pay the arrears incurred before you release
Message Queue for Apache RocketMQ
.

How do I disable

Message Queue for Apache RocketMQ
?
Delete the topics and group IDs in all regions, stop all producers and consumers, and then delete the corresponding instances.

The total number of messages in one day was 631,238. However, the number of API calls in the bill was 126,315,056. Where did these API calls come from?

Number of API calls = Number of API calls to send messages + Number of API calls to subscribe to messages + Number of long polling API calls.

A long polling request is an API call generated by a

Message Queue for Apache RocketMQ
consumer to push a message in real time. Each queue generates a long polling request every 15 seconds. If a message is generated in the queue within these 15 seconds, the long polling request will not be counted.

How can I renew my

Message Queue for Apache RocketMQ
Enterprise Platinum Edition instance?
For more information, see Operations on Enterprise Platinum Edition instances.