

Elastic IP

Quality Traffic Packages

Product Documentation



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Quality Traffic Packages

Overview

Last updated: 2026-08-27 11:35:54

What Are Quality Traffic Packages

Quality traffic packages are prepaid public network traffic plans. You can separately purchase them and flexibly use them to offset traffic consumption of same-region Tencent Cloud Lighthouse (Lighthouse) instances and general Border Gateway Protocol (BGP) IP addresses, including common public IP addresses and Elastic IPs (EIPs) in pay-by-traffic and main traffic billing modes. Compared with regular Traffic Package (TP), quality traffic packages provide lower latency and higher quality network communication capabilities for traffic from Hong Kong (China) and Singapore to the Chinese mainland.

Note:

- Currently, only IPv4 is supported.
- If you want to enable Quality Traffic Package for general BGP IP addresses in Hong Kong (China), including common public IP addresses and EIPs in pay-by-traffic and main traffic billing modes, please submit a [beta testing application](#). The application will be reviewed within 3 working days.

Strengths

Quality traffic packages effectively improve the coverage quality of overseas services for users in the Chinese mainland. They achieve the improvement by optimizing intelligent link scheduling, dynamically selecting the optimal transmission path, avoiding detours via the egress networks of international Internet Service Providers (ISPs), and reducing the access latency.

Scenarios

Quality traffic packages provide lower-latency, higher-quality, and more stable network communication capabilities for traffic from Hong Kong (China) and Singapore to the Chinese mainland. They are primarily suitable for access acceleration for the Chinese mainland users accessing overseas-deployed services.

Offset Logic

After purchasing quality traffic packages, you need to enable Quality Traffic Package for the instance before you can use them. For details about how to enable Quality Traffic Package, see [Getting Started](#). After Quality Traffic Package is enabled, the selected instance shares the quality traffic packages with other same-region instances that have Quality Traffic Package enabled. The offset logic of the quality traffic packages is as follows:

- Quality traffic packages are used only to offset the consumption of public network bandwidth traffic from Hong Kong (China) and Singapore to the Chinese mainland. Other public network bandwidth traffic is charged based on the original billing mode.
- Quality traffic packages are billed based on outbound traffic.

Note:

After Quality Traffic Package is disabled, traffic is billed based on the following original rules:

- For Lighthouse, the traffic packages included in their plans are first used to offset traffic consumption.
- General BGP IP addresses, including common public IP addresses and EIPs in pay-by-traffic and main traffic billing modes are charged based on the rules and pricing of the original billing mode.

Quota Limits

- Each account can hold a maximum of 20 valid quality traffic packages per region.
- Quality traffic packages are used to offset traffic consumption by region. A single quality traffic package can be used to offset only the traffic consumption of instances within the same region.

Purchase Guide

Billing Overview

Last updated: 2026-08-27 11:35:54

This document describes the pricing of quality traffic packages.

- Quality traffic packages use a prepaid model in which payment is made upfront before resource usage.
- Quality traffic packages take effect immediately upon purchase, and their validity periods are 6 months.
- You can purchase multiple quality traffic packages for combined use, and the system prioritizes using the quality traffic package with the earliest expiration date to offset traffic consumption. If multiple packages have the same expiration date, the system prioritizes using the package with smaller residual traffic quota.
- After the traffic in a quality traffic package is used up within its validity period, the billing mode for instances using the quality traffic package is changed to the original billing mode.
 - For Lighthouse, the traffic packages included in their plans are first used to offset traffic consumption.
 - General Border Gateway Protocol (BGP) IP addresses, including common public IP addresses and Elastic IPs (EIPs) in pay-by-traffic and main traffic billing modes are charged based on the rules and pricing of the original billing mode.
- Quality traffic packages cannot be returned after expiration. Any unused traffic is cleared.
- Quality traffic packages are used to offset traffic consumption by region. A single quality traffic package can cover only 1 region.
- The traffic unit conversion uses the binary base of 1024, that is, 1 TB = 1024 GB and 1 GB = 1024 MB.

Pricing Details

Region	1GB	2GB	5GB	10GB	50GB	512GB	1TB
Hong Kong (China) and Singapore	USD 0.2795	USD 0.5451	USD 1.3836	USD 2.7253	USD 13.2631	USD 135.5657	USD 268.3363

Refund

Last updated: 2026-08-27 11:35:54

Quality traffic packages in the Valid (not expired) state can be returned in self-service mode in the console. If you have consumed some traffic from the quality traffic package, the refund will be calculated by deducting the fee for the consumed traffic from the fee you paid for the quality traffic package at the standard price of USD 0.3/GB. For the return procedure, see [Returning a Quality Traffic Package](#).

Return Rules

After the fee for consumed traffic is deducted, the refund is processed in self-service mode. The refund amount is returned to the payer's Tencent Cloud account via the original payment channel, based on the proportion of cash and free credits used for the purchase. You can go to the [Billing Center](#) page to view the refund details.

Note:

- If the purchase price is less than the fee generated for consumed traffic, the total refund amount is 0.
- If a quality traffic package has been exhausted but the package has not expired yet, the package can also be returned. In this case, the refund amount is USD 0.

Refund amount = Fee for the purchased quality traffic package — Fee for the consumed traffic

- **Fee for the purchased quality traffic package:** the fee paid when you purchase the quality traffic package
- **Fee for the consumed traffic:** USD 0.3/GB (standard price) x Consumed traffic

Refund Example

Assume that you purchase a quality traffic package of 10 GB in the Hong Kong (China) region on the first day of a month, use it for 3 days, and consume a total of 5 GB of traffic. In this case, if you return the quality traffic package, the refund amount is calculated as follows:

- **Fee for the purchased quality traffic package** = USD 2.7253
- **Fee for the consumed traffic** = USD 0.3/GB x 5 GB = USD 1.5
- **Refund amount** = USD 2.7253 – USD 1.5 = USD 1.2253

Getting Started

Last updated: 2026-08-27 11:35:54

This document describes how to quickly use the quality traffic package service to help you understand the full process to use quality traffic packages, from creating to using them. You need to complete the following operations.

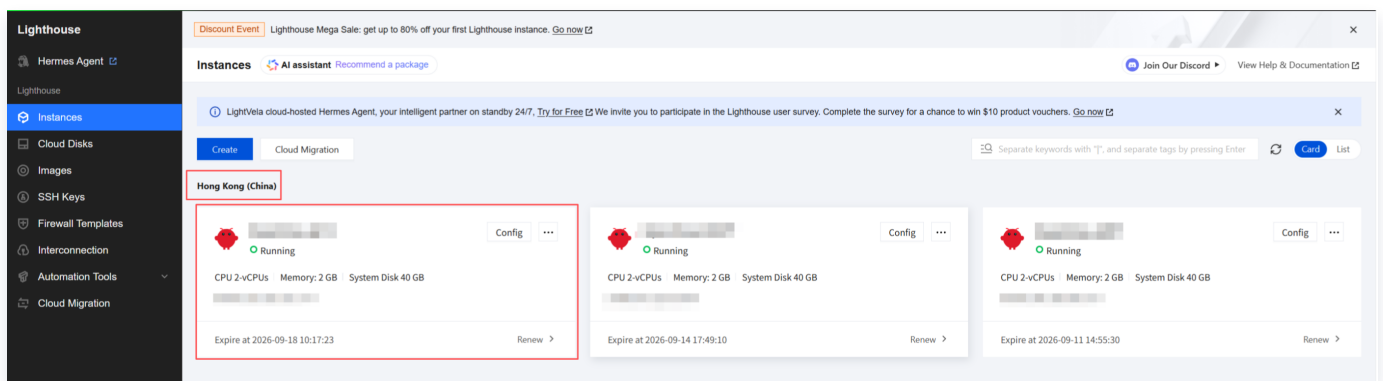
Prerequisites

1. Purchase quality traffic packages. For details, see [Creating Quality Traffic Packages](#).
2. Enable Quality Traffic Package: After you enable Quality Traffic Package, the access quality of the following instances consuming traffic from Hong Kong (China) and Singapore to the Chinese mainland is improved (The feature is supported for instances only within the same region). It helps reduce the business access latency, improve the quality, and deliver higher stability.
 - Tencent Cloud Lighthouse (Lighthouse): The Hong Kong (China) and Singapore regions are supported.
 - General Border Gateway Protocol (BGP) IP addresses, including common public IP addresses and Elastic IPs (EIPs) in pay-by-traffic and main traffic billing modes: Only the Hong Kong (China) region is supported. If you want to use it, please submit a [beta testing application](#). The application will be reviewed within 3 working days.

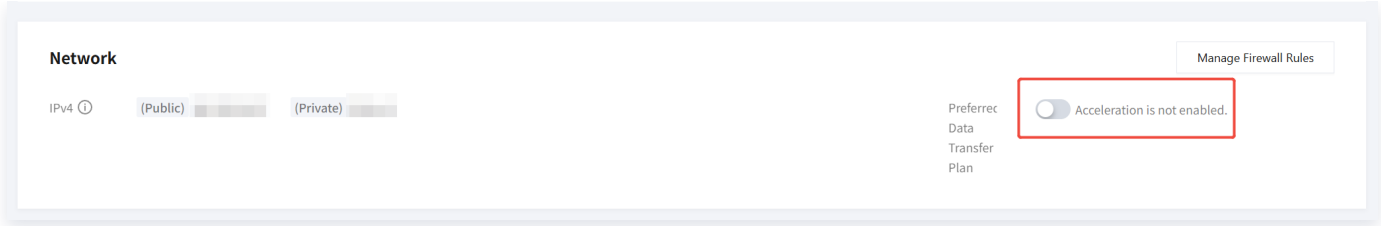
Directions

Enabling Quality Traffic Package for Lighthouse

1. Log in to the [Lighthouse console](#).
2. Select a region, such as Hong Kong (China). Find the Lighthouse instance for which you want to enable Quality Traffic Package, and click the instance to go to the instance details page.



3. On the instance details page, in the **Network** module, you can see that Quality Traffic Package is disabled by default for the instance. Click the on/off toggle of **Quality Traffic Package**.



4. On the **Enable Quality Traffic Package** page, valid quality traffic packages in the current region are displayed. After you confirm the usage rules of the quality traffic packages, click **OK** to enable Quality Traffic Package for the instance.

Note:

- To enable Quality Traffic Package for a Lighthouse instance in the **Singapore** region, you must first replace the instance's public IP address. This replacement does not consume the quota for your self-service public IP address replacement.

○ Hong Kong (China):

Acceleration based on data transfer plans is being enabled for [redacted]

Rules for using preferred data transfer plans

- After acceleration is enabled, the selected instances will share the preferred data transfer plan with other Lighthouse instances in the same region.
- The data transfer plan that expires first is used for deduction preferentially. If they expire at the same time, the one with the least remaining quota is used for deducted first.

Preferred data transfer plan deductible in the current region

ID/name	Remaining Capacity	Expiry time
[redacted]	Remaining: 2 GB; total: 2 GB	2027-02-18 14:29:01
[redacted]	Remaining: 1 GB; total: 1 GB	2027-02-15 17:18:20

OK

Cancel

○ Singapore:

Acceleration based on data transfer plans is being enabled for [redacted]



- 1 Enable Quality Traffic Package Acceleration > 2 Notice for changing the public IP address

Rules for using preferred data transfer plans

- After acceleration is enabled, the selected instances will share the preferred data transfer plan with other Lighthouse instances in the same region.
- The data transfer plan that expires first is used for deduction preferentially. If they expire at the same time, the one with the least remaining quota is used for deducted first.

Preferred data transfer plan deductible in the current region

ID/name	Remaining Capacity	Expiry time
[redacted]	Remaining: 10 GB; total: 10 GB	2027-02-11 14:55:24

☐ I acknowledge: To enable instance traffic package acceleration, first replace the instance public IP. For details, refer to [documentation](#).

[Next: Notice for changing the public IP address](#)

Cancel

Acceleration based on data transfer plans is being enabled for [redacted]



- ✓ Enable Quality Traffic Package Acceleration > 2 Notice for changing the public IP address

Notice for changing the public IP address

- To enable traffic package acceleration for the current instance, you must first replace the public IP address once. This replace operation does not consume the quota for self-service public IP address replacement.
- Changing the public IP may cause interruption to your business. Once the public IP is successfully changed, the original public IP cannot be retrieved.
- After changing the public IP, you need to update the domain resolution, website acceleration, website security and other configurations in time to ensure the normal operation of the business.

Are you sure you want to change the public IP [redacted] of the current instance (lhins-cumicrp)?

☐ I have been informed and agree to the notice of replacing the public IP address.

Back

OK

Enabling Quality Traffic Package for General BGP IP Addresses

1. Log in to the [EIP console](#). On the EIP page, select the following region from the top: **Hong Kong (China)**.

Note:

- Quality traffic packages only in Hong Kong (China) can be used to simultaneously offset traffic consumption for same-region Lighthouse instances and general BGP IP addresses, including common public IP addresses and EIPs in pay-by-traffic and main traffic billing modes. This feature is currently in beta testing. If you want to use it, please [submit a beta testing application](#). The application will be reviewed within 3 working days.
- Quality Traffic Package can be enabled for general BGP IP addresses, including common public IP addresses and EIPs only for standard account types. If you want to confirm your account type, see [EIP – Account Type Description](#).

2. Locate the IP address for which you want to enable Quality Traffic Package. In the Operation column of the corresponding EIP, choose **More > Enable Quality Traffic Package Acceleration**.

The screenshot shows the 'Public IP/EIP' management page in the Tencent Cloud console. The left sidebar contains navigation options like 'Network Topology Map', 'Public Bandwidth Overview', 'Network Performance Dashboard', 'Virtual Private Cloud', 'Subnet', 'Route Tables', 'IP and Interface', and 'Public Network Access'. The main content area shows a table of IP addresses with columns for ID/Name, Monitoring, Type, Status, Public IP, ALG Status, Network billing mode, IP Address Billing, Bandwidth cap, Bind resource, Bound resource, Associate, and Operation. A dropdown menu is open for the 'Operation' column of the first row, showing options like 'Edit tags', 'Bind', 'Release', 'Direct access', 'Enable Quality Traffic Package Acceleration' (highlighted), 'Configuring ALG', and 'Associate Endpoint'.

3. On the page for enabling Quality Traffic Package, view valid quality traffic packages in the current region. After you confirm the usage rules of the quality traffic packages, click **OK** to enable Quality Traffic Package for the instance.

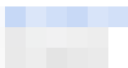
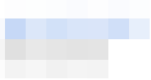
The quality traffic package feature is being enabled for 



 **Rules for Using Quality Traffic Package**

- After acceleration is enabled, the selected instances will share the quality traffic package with other instances in the same region for which the quality traffic package feature is enabled.
- The traffic package that will expire first is deducted first. If traffic packages will expire at the same time, the one with the smaller remaining balance will be deducted first.

Quality Traffic Packages Deductible in Current Region

ID/Name	Remaining Capacity	Expiry time
	2GB left, 2GB in total	Feb 18, 2027 14:29:01 (UTC+08:00)
	1GB left, 1GB in total	Feb 15, 2027 17:18:20 (UTC+08:00)

OK

Cancel

Operation Guide

Creating Quality Traffic Packages

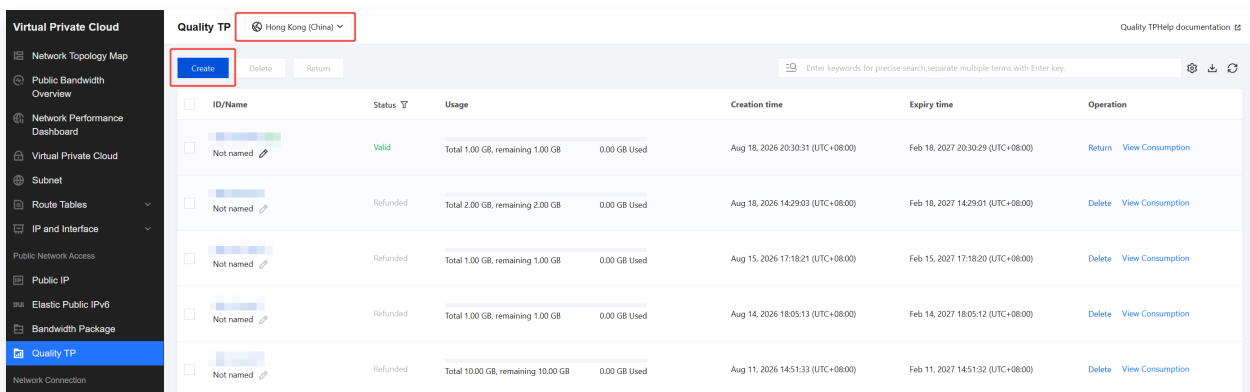
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You can purchase quality traffic packages based on your requirements, and the quality traffic packages are shared among same-region instances with Quality Traffic Package enabled.

- Quality traffic packages are used only to offset the consumption of public network bandwidth traffic from Hong Kong (China) and Singapore to the Chinese mainland. Other public network bandwidth traffic is charged based on the original billing mode.
- Quality traffic packages can be used to offset traffic consumption for multiple instances simultaneously.
- You can purchase multiple quality traffic packages for combined use.
- If you purchase multiple quality traffic packages, the system prioritizes using the quality traffic package with the earliest expiration date to offset traffic consumption. If multiple packages have the same expiration date, the system prioritizes using the package with smaller residual traffic quota.

Directions

1. Log in to the [Quality Traffic Package console](#).
2. On the **quality traffic package** page, select a region from the upper-left corner, and click **Create**.



3. On the **quality traffic package** purchase page, configure the quality traffic package according to the following information.

Purchase Quality Traffic Package

Application Scope ✔ Tencent Cloud Lighthouse instances and general BGP IP addresses (including general public IP addresses and elastic IP addresses) billed by traffic or those billed based on the bill-by-main-traffic bandwidth package in the same region can share it.

Effective Region

Hong Kong (China) Singapore

Specifications

1 GB 2 GB 5 GB 10 GB 50 GB 512 GB 1 TB

Validity Duration 6 months

Quantity

- 1 +

You currently have 1 valid preferred traffic package(s) in your region and you can purchase 19 more.

Fee

Fee Description [Fee Description](#)

Protocol ☐ I have read and agree to [Tencent Cloud Service Agreement](#) and [Refund Policy for Quality Traffic Packages](#).

Confirm Order

Cancel

Configuration	Description
Applicable Scope	This configuration does not need to be selected. - Quality traffic packages in Hong Kong (China) and Singapore can be used to offset traffic consumption for Lighthouse instances within the same region. - Quality traffic packages only in Hong Kong (China) can be used to simultaneously offset traffic consumption for same-region Lighthouse instances and general Border Gateway Protocol (BGP) IP addresses, including common public IP addresses and Elastic IPs (EIPs) in pay-by-traffic and main traffic billing modes. This feature is currently in beta testing. If you want to use it, please submit a beta testing application. The application will be reviewed within 3 working days.
Effective Region	Select the region where you want to create the quality traffic packages. Currently, Hong Kong (China) and Singapore are supported. In this example, select Hong Kong (China).
Specification	Currently, supported specifications are as follows: 1 GB, 2 GB, 5 GB, 10 GB, 50 GB, 512 GB, and 1 TB.

Validity Period	• The validity period of the quality traffic package is 6 months. • A quality traffic package is non-refundable upon expiration. Any unused traffic will be cleared upon expiration.
Purchase Quantity	Select the number of quality traffic packages you want to purchase. A maximum of 20 valid quality traffic packages can be purchased per region.
Protocol	Select I have read and agree to Tencent Cloud Service Agreement and Refund (for quality traffic packages) .

4. After the configuration is completed, click **Confirm Order**.
5. On the order review page, review order information. If you have a product promo voucher, you can select **Use Promo Voucher for Deduction**. After you confirm the information is correct, click **Pay Now**.
6. On the payment page, select a payment method and complete the payment. After the payment is successful, view the purchased quality traffic packages in the quality traffic package list.

Subsequent Operation Steps

Enable Quality Traffic Package for the corresponding instance. For details, see [Getting Started](#).

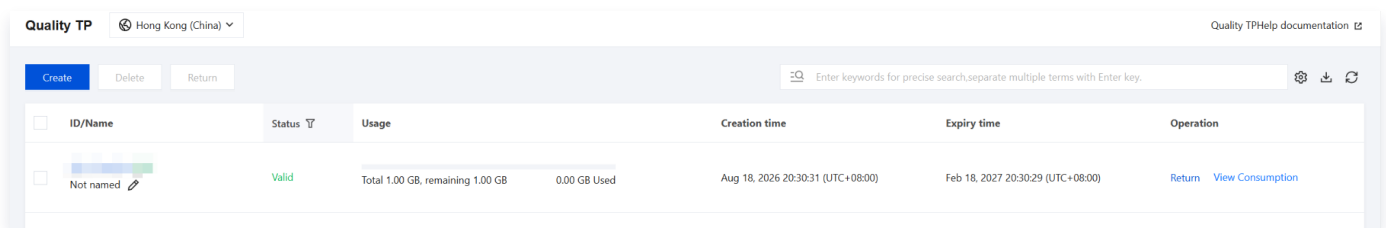
Viewing Quality Traffic Packages

Last updated: 2026-08-27 11:35:55

You can view the usage of quality traffic packages and the resources within the packages. This allows you to accurately verify public network traffic consumption at any time, quickly locate resources with abnormal traffic usage, and reduce the risk of exceeding the budgeted cost.

Directions

1. Log in to the [Quality Traffic Package console](#).
2. On the **quality traffic package** page, select a region in the upper-left corner to view the list of quality traffic packages. The list includes information such as ID/Name, Status, Usage, Creation Time, and Expiration Time.



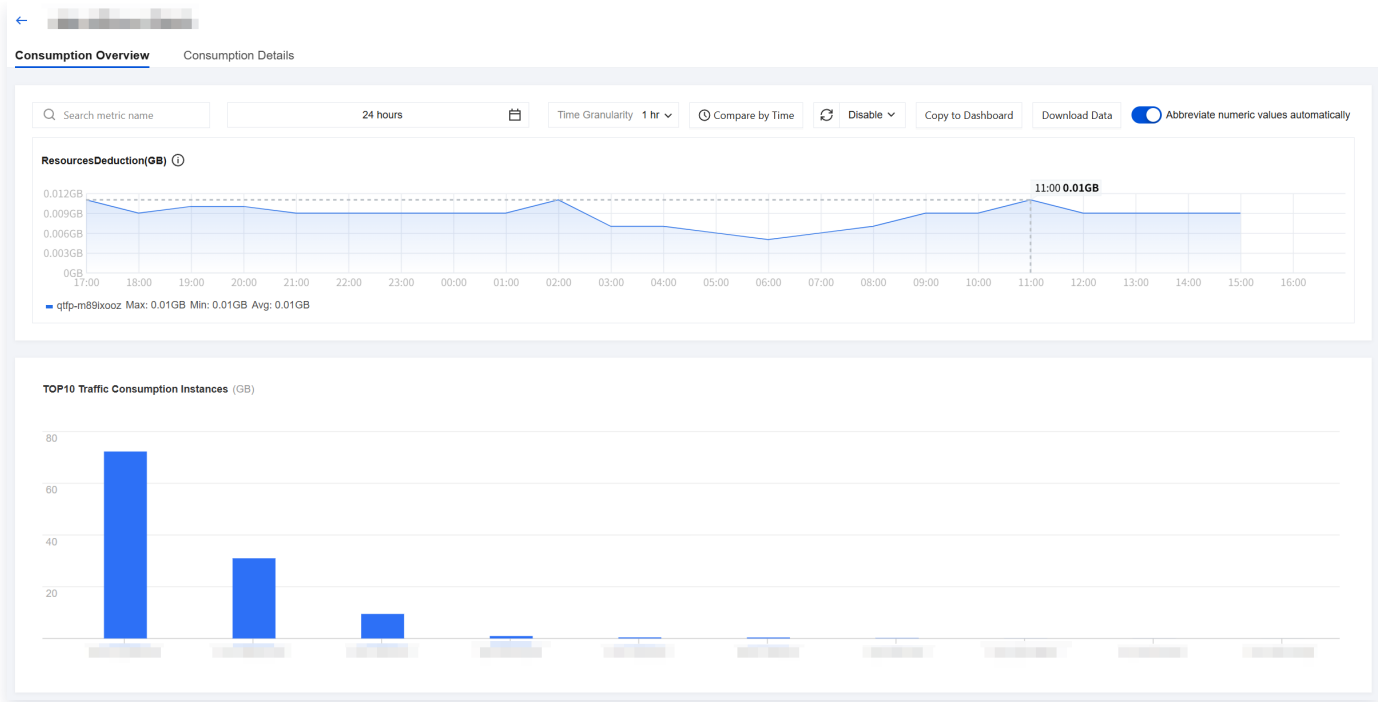
The screenshot shows the 'Quality TP' console for the 'Hong Kong (China)' region. It features a table with columns: ID/Name, Status, Usage, Creation time, Expiry time, and Operation. A single package is listed with ID 'Not named', status 'Valid', and usage 'Total 1.00 GB, remaining 1.00 GB' / '0.00 GB Used'. The creation time is 'Aug 18, 2026 20:30:31 (UTC+08:00)' and the expiry time is 'Feb 18, 2027 20:30:29 (UTC+08:00)'. The operation column contains links for 'Return' and 'View Consumption'.

ID/Name	Status	Usage	Creation time	Expiry time	Operation
Not named	Valid	Total 1.00 GB, remaining 1.00 GB 0.00 GB Used	Aug 18, 2026 20:30:31 (UTC+08:00)	Feb 18, 2027 20:30:29 (UTC+08:00)	Return View Consumption

3. View the following 4 statuses of a quality traffic package: Valid, Exhausted, Expired, and Returned. The description of each status is as follows:
 - Valid: The traffic package is within its validity period, and the traffic has not been exhausted or returned.
 - Exhausted: The traffic in the traffic package has been exhausted.
 - Expired: The traffic package has expired.
 - Returned: The traffic package has been returned.
4. Click the ID of the instance you want to view or **View Consumption** in the **Operation** column on the right to view the consumption details of the quality traffic packages.
5. On the **consumption overview** page, select a time period and view the consumption of the quality traffic packages and the top 10 traffic-consuming instances for that period.

Note:

The consumption data for the quality traffic packages is updated once per hour.



6. Click the **Consumption Details** tab to view the consumption details of the quality traffic packages. You can query the details by time or deducted instance ID.

← [User Avatar]

Consumption Overview

Consumption Details

Last 24 hoursLast 7 daysLast 30 Days

Start and End Time2026-08-18 ~ 2026-08-19

Search by instance ID.

TP ID	TP Name	TP Specifications	Consumption(Original Value)	Remaining Traffic	Deduction Time ⓘ	Traffic Deduction Ins...	Expiry time
[Redacted]	[Redacted]	1TB	9.512MB	909.3089GB	Aug 19, 2026 17:00:00 (UTC+08:00)	[Redacted]	Sep 11, 2026 20:33:40 (UTC+08:00)
[Redacted]	[Redacted]	1TB	43.3271KB	909.3182GB	Aug 19, 2026 17:00:00 (UTC+08:00)	[Redacted]	Sep 11, 2026 20:33:40 (UTC+08:00)
[Redacted]	[Redacted]	1TB	2.0957KB	909.3183GB	Aug 19, 2026 17:00:00 (UTC+08:00)	[Redacted]	Sep 11, 2026 20:33:40 (UTC+08:00)
[Redacted]	[Redacted]	1TB	24.2021KB	909.3183GB	Aug 19, 2026 17:00:00 (UTC+08:00)	[Redacted]	Sep 11, 2026 20:33:40 (UTC+08:00)
[Redacted]	[Redacted]	1TB	13.3184KB	909.3183GB	Aug 19, 2026 17:00:00 (UTC+08:00)	[Redacted]	Sep 11, 2026 20:33:40 (UTC+08:00)
[Redacted]	[Redacted]	1TB	9.501MB	909.3183GB	Aug 19, 2026 16:00:00 (UTC+08:00)	[Redacted]	Sep 11, 2026 20:33:40 (UTC+08:00)
[Redacted]	[Redacted]	1TB	33.0566KB	909.3276GB	Aug 19, 2026 16:00:00 (UTC+08:00)	[Redacted]	Sep 11, 2026 20:33:40 (UTC+08:00)
[Redacted]	[Redacted]	1TB	4.9033KB	909.3276GB	Aug 19, 2026 16:00:00 (UTC+08:00)	[Redacted]	Sep 11, 2026 20:33:40 (UTC+08:00)
[Redacted]	[Redacted]	1TB	18.502KB	909.3276GB	Aug 19, 2026 16:00:00 (UTC+08:00)	[Redacted]	Sep 11, 2026 20:33:40 (UTC+08:00)
[Redacted]	[Redacted]	1TB	58B	909.3183GB	Aug 19, 2026 16:00:00 (UTC+08:00)	[Redacted]	Sep 11, 2026 20:33:40 (UTC+08:00)

Total Items: 163

10 / page1 / 17 pages

Returning Quality Traffic Packages

Last updated: 2026-08-27 11:35:55

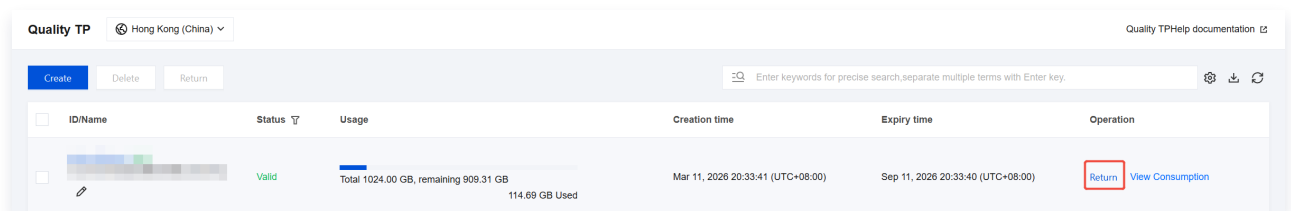
Quality traffic packages can be returned. After being returned, resources that are consuming traffic will be offset from other available quality traffic packages in the same region. If no such a package is available, fees are generated based on the rules and pricing of the original billing mode.

Prerequisites

Only quality traffic packages whose status is Valid (not expired) can be returned. You can view them in the quality traffic package list. For details about the return rules, see [Refund](#).

Directions

1. Log in to the [Quality Traffic Package console](#). On the **Quality TP** page, select a region from the upper-left corner.
2. Return quality traffic packages individually or in batches.
 - Return a single quality traffic package.
 - 2.1.1 Find the quality traffic package you want to return. Then, click **Return** in the **Operation** column on the right.



- 2.1.2 In the displayed Return Quality Traffic Package dialog box, carefully review the return instructions and verify information. Then, click **Submit Refund Order** to go to the refund page and confirm the refund.

Refund for Quality TPs

Refund Notes

1. If you request a refund for a quality traffic package, the fee will be refunded after the cost of the traffic already consumed is deducted. For details, refer to [Refund Rules](#).

2. After the refund is processed, if there are available quality traffic packages in the current region, instances with the quality traffic package feature enabled in the same region will continue to consume traffic from the remaining packages. If no quality traffic packages are available, acceleration for instances with this feature enabled will be automatically disabled within 2 to 5 minutes.

You have selected 1 TP(s).

ID/Name	Remaining Capacity	Expiry time	Estimated Refund
	909.31 GB remaining out of 10...	Sep 11, 2026 20:33:40 (UTC+08:00)	

Estimated Total Refund

(The actual refund will be based on the final situation. This data is for reference only.)

Refund Rules

☐ I have read and agree to the [Refund Operation Instructions](#) and [Refund Rules](#).

Submit Refund Order

Cancel

○ Return quality traffic packages in batches.

2.1.1 On the quality traffic package list page, select multiple quality traffic packages that you want to return.

2.1.2 Click **Return** above the list.

2.1.3 In the display **Refund for Quality TPs** dialog box, carefully review the return instructions and verify information. Then, click **Submit Refund Order** to go to the refund page and confirm the refund.

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