Tencent Cloud

Anti-DDoS Advanced

Purchase Guide

Product Documentation

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Billing Overview

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Billing Mode

Anti-DDoS Advanced billing includes the fees of base protection bandwidth (frozen fees payment), elastic protection bandwidth (pay-as-you-go), and application bandwidth (frozen fees payment).

Billable Item	Billing Mode	Payment Method	Billing Description
Base protection bandwidth	Monthly subscription	Frozen fees payment	It provides base protection bandwidth. The amount of frozen fees is based on the base protection bandwidth and subscription plan period. Fees will be frozen at the time of successful purchase and settled on the 1st day of the next month.
Elastic protection bandwidth	Pay-as-you-go on a daily basis	Pay-as-you-go	If elastic protection is triggered, you will be billed on the following day based on the tiered price of the peak attack bandwidth of the current day. You will not be billed if elastic protection is not triggered. You can upgrade or downgrade the configuration.
Forwarding rules	Monthly subscription based on the rule quantity	Pay-as-you-go	60 forwarding rules are provided for free for each Anti-DDoS Advanced instance by default. 65 USD is charged per month for every additional 10 rules. Each Anti-DDoS Advanced instance can have up to 300 forwarding rules.
Application bandwidth	Bill-by-bandwidth on a monthly subscription basis	Frozen fees payment	The application bandwidth limit applies to both the inbound Anti-DDoS forwarding traffic and the outbound Anti-DDoS traffic. The application bandwidth needs to be higher than the peak bandwidth of the two, whichever is greater. If the actual application bandwidth is continuously higher than the application bandwidth selected when you purchased your Anti-DDoS Advanced instance, packet loss may occur. This might affect your service. We recommend adjusting your application bandwidth to avoid such occurrences.

Base protection

Base protection is on the monthly frozen fees payment. The detailed pricing is as follows:

Anti-DDoS Protection	Anti-CC Protection	Chinese mainland (USD/month)	Regions outside the Chinese mainland (USD/month)
10 Gbps	20,000 QPS	-	2,500
20 Gbps	40,000 QPS	2,400	4,800
30 Gbps	70,000 QPS	3,500	7,000
40 Gbps	100,000 QPS	-	8,200
50 Gbps	150,000 QPS	9,500	10,500
60 Gbps	200,000 QPS	-	12,000
80 Gbps	250,000 QPS	-	15,000
100 Gbps	300,000 QPS	28,000	16,500

ⓘ **Note：**

- Query Per Second (QPS) here is used to measure the number of CC attack requests per second that an Anti-DDoS Advanced instance can defend against.
- Tencent Cloud provides up to TB-level protection capability. Contact your sales rep if necessary.

Elastic protection

You can enable elastic protection as needed.

- If elastic protection is not enabled for an instance, its base protection bandwidth will be the maximum protection bandwidth and no extra fees will be incurred.
- If elastic protection is enabled for an instance, its maximum protection bandwidth will be the elastic protection bandwidth.
  - If elastic protection is not triggered, no fees will be incurred.
  - If elastic protection is triggered and the attack traffic is higher than the base protection bandwidth but lower than the elastic protection bandwidth, you will be billed on the following day based on the tiered price of the peak attack bandwidth of the current day.

The detailed pricing of elastic protection is as follows:

Anti-DDoS Protection Peak Bandwidth	Chinese mainland (USD/day)	Regions outside the Chinese mainland (USD/day)
10 Gbps ≤ Peak attack bandwidth < 20	-	320

Gbps		
20 Gbps ≤ Peak attack bandwidth < 30 Gbps	260	400
30 Gbps ≤ Peak attack bandwidth < 40 Gbps	450	700
40 Gbps ≤ Peak attack bandwidth < 50 Gbps	600	800
50 Gbps ≤ Peak attack bandwidth < 60 Gbps	800	1,200
60 Gbps ≤ Peak attack bandwidth < 70 Gbps	1,200	1,800
70 Gbps ≤ Peak attack bandwidth < 80 Gbps	1,500	2,200
80 Gbps ≤ Peak attack bandwidth < 90 Gbps	1,700	2,500
90 Gbps ≤ Peak attack bandwidth < 100 Gbps	1,900	2,700
100 Gbps ≤ Peak attack bandwidth < 120 Gbps	2,100	2,900
120 Gbps ≤ Peak attack bandwidth < 150 Gbps	2,300	3,200
150 Gbps ≤ Peak attack bandwidth < 200 Gbps	2,700	4,000
200 Gbps ≤ Peak attack bandwidth < 250 Gbps	4,800	4,800
250 Gbps ≤ Peak attack bandwidth < 300 Gbps	5,600	5,600
300 Gbps ≤ Peak attack bandwidth < 400 Gbps	-	6,600

Forwarding rules

Number of Forwarding Rules	Price (USD/month/10 rules)

Number of ports (or protected domain names) ≤ 60	Free
Number of ports (or protected domain names) > 60	65

> ⓘ **Note**：
>
> The number of forwarding rules is the total number of TCP/UDP ports (for non-website connections) and HTTP/HTTPS domain names (for website connections) that you configure for an Anti-DDoS Advanced instance.

Application bandwidth

Application bandwidth is the bandwidth used for forwarding the application traffic that has been cleansed by the Tencent Cloud Anti-DDoS data center back to the data center on the real server.

It is on a monthly-subscribed frozen fees payment. **For non-Tencent Cloud users in the Chinese mainland, 100 Mbps forwarding bandwidth will be given free of cost after they purchase the base protection package.** The detailed pricing is as follows:

Bandwidth	Price (USD/month)
50 Mbps	750
100 Mbps	1,500
150 Mbps	2,250
200 Mbps	3,000
500 Mbps	7,500
1 Gbps	15,000
2 Gbps	30,000

The relationship between the application bandwidth and the number of layer-7 requests is as follows:

Application Bandwidth	HTTP/HTTPS
50 Mbps	5,000 QPS
100 Mbps	10,000 QPS
150 Mbps	15,000 QPS
200 Mbps	20,000 QPS

500 Mbps	50,000 QPS
1 Gbps	100,000 QPS
2 Gbps	200,000 QPS

> ⚠ **Note**：
>
> - The application bandwidth limit applies to both the inbound Anti-DDoS forwarding traffic and the outbound Anti-DDoS traffic. The application bandwidth needs to be higher than the peak bandwidth of the two, whichever is greater. If the actual application bandwidth is continuously higher than the application bandwidth selected when you purchased your Anti-DDoS Advanced instance, packet loss may occur. This might affect your application. We recommend upgrading your application bandwidth in time.
> - The QPS metric used here is a general number of queries per second when there is no attack. If the actual QPS of your application is higher than the specification purchased, please adjust the specification of your Anti-DDoS Advanced instance to prevent packet loss. You can refer to the relationship table above to increase the application bandwidth of your Anti-DDoS Advanced instance and the general HTTP/HTTPS QPS metric.

Other Metrics

See the following table for descriptions of other metrics:

Metric	Specification	Description
Number of forwarding ports	60-300/Anti-DDoS Advanced instance	The total number of forwarding rules for TCP/UDP and HTTP/HTTPS. For TCP and UDP, if the same forwarding port number is used, two different forwarding rules need to be configured.
Number of supported domain names		
Number of real server IPs	20/instance	The total number of IP addresses for both layer-4 and layer-7 real servers.
Number of new connections per second	50,000/Anti-DDoS Advanced instance	The number of new connections per second for each Anti-DDoS Advanced instance.
Number of concurrent connections	200,000/Anti-DDoS Advanced instance	The number of concurrent connections per second for each Anti-DDoS Advanced instance.

Billing Example

Anti-DDoS Advanced uses a combined billing method. Below is a fee calculation example:

A user purchases an Anti-DDoS Advanced instance in the Shanghai region, with "20 Gbps base protection bandwidth" and "50 Gbps elastic protection bandwidth".

One day, DDoS attacks occur with a peak attack bandwidth of 45 Gbps, which exceeds the base protection bandwidth and triggers elastic protection. The peak attack bandwidth falls in the billing tier between 40 Gbps and 50 Gbps, and the elastic protection fee generated that day is 600 USD.

Therefore, the user needs to pay a total of 3,000 USD, including 2,400 USD of the monthly base protection fee and 600 USD of the elastic protection fee generated that day.

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Prerequisites

Before purchasing an Anti-DDoS Advanced (Chinese Mainland) instance , you need to register a Tencent cloud account.

Steps

1. Log in to the Anti-DDoS Advanced console, and click **Create**.

2. Select the protection configuration according to your business needs.

- Region: Anti-DDoS Advanced uses the forwarding proxy method. Please choose a location near the real server to reduce connection latency.
- Base protection bandwidth: Base protection capability for the instance. We recommend selecting a base protection bandwidth slightly higher than the average value of the historical attack traffic, which will allow you to handle normal attacks.
- Elastic protection bandwidth: Elastic protection capability for the instance. We recommend selecting an elastic protection bandwidth slightly higher than the historical largest attack traffic to defend against sudden increases in attack traffic, and avoid IP block caused by traffic exceeding the protection bandwidth limit. Elastic protection bandwidth is billed daily based on actual usage.
- Forwarding traffic: The normal traffic forwarded to the real server. We recommended selecting a bandwidth according to your normal traffic.
- Quantity: Select the number of instances you want to purchase.
- Contract duration: Select the length of the service plan you want to purchase. The fees are calculated based on the number of instances, the base protection bandwidth and the purchased usage period. Fees for the first month will be frozen in your account upon purchase.
- Auto renewal: Optional. When auto-renewal is activated, your subscription will be automatically renewed monthly on the expiration date given that your Tencent Cloud account has sufficient credits. This ensures consistent

protection for your business.

Region	Guangzhou	Shanghai	Beijing	Hong Kong, China	Singapore	Bangkok	India	Seoul
	Silicon Valley	Moscow	Frankfurt	Virginia	Toronto			

Base Protection Bandwidth	20Gbps	30Gbps	50Gbps

CC Protection Bandwidth: 20,000QPS

Elastic Protection Bandwidth	N/A	30Gbps	40Gbps	50Gbps	60Gbps	70Gbps	80Gbps	90Gbps
	100Gbps							

Elastic protection may fail by uncertain factors like backbone line failure. In case the IP is blocked but the elastic protection bandwidth is not reached, the elastic protection service of the day will be exempt from the charge.

To ensure the stable operation of your businesses, it is recommended to enable elastic protection

Forwarding Traffic: ☑ Charge by service bandwidth

50Mbps	100Mbps	150Mbps	200Mbps	500Mbps	1Gbps	2Gbps

Purchase Quantity: − 1 + (up to 1 at a time)

Period of Validity	1 month	2 months	3 months	6 months	1 year	2 years	3 years	More

Auto Extend: ☐ Auto-renew the service when account has sufficient balance

3. Click **Subscribe Now** and complete the payment.

More Information

- Anti-DDoS Advanced billing description
- Billing-related Questions

Expiration & Renewals

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Expiration Reminder

Anti-DDoS Advanced will send expiration and renewal reminders to your root account and all collaborator accounts 7 days prior to expiration date of your monthly or yearly subscription via internal messages, SMS and emails.

Arrears Reminder

The system will send arrears reminders to your root account and all collaborator accounts when your monthly or yearly Anti-DDoS Advanced service subscription expires via internal messages, SMS and emails.

Renewal

- The system will send renewal reminder messages to the creator of the Tencent Cloud account and all collaborators 7 days prior to the expiration of the Anti-DDoS Advanced instance.
- When you have sufficient account credits and auto-renewal activated, the system will automatically charge your account and renew your subscription on the expiration date. When the service is successfully renewed, the fees for the first month will be frozen in your account and charged on the 1st day of the upcoming month.