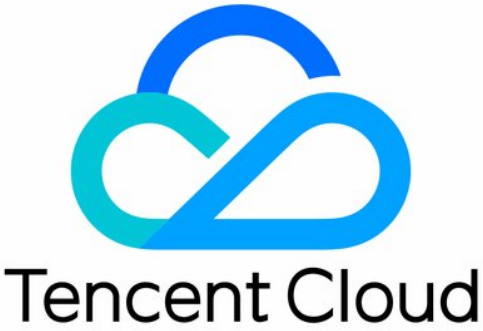
Anti-DDoS Advanced

Purchase Guide

Product Documentation



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Purchase Guide
Billing Overview

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Tencent Cloud Anti-DDoS Advanced has adopted new billing rules from **March 24, 2022**.

Billing Mode

Anti-DDoS Advanced adopts a combo billing mode of monthly subscription and pay-as-you-go. Specifically, base protection bandwidth, application bandwidth and forwarding rules are billed monthly, while elastic protection bandwidth and application bandwidth in excess of the plan are billed daily.

Billable Item	Billing Mode	Payment Method	Billing Description
Base protection bandwidth	Monthly subscription	Pay-as-you-go	Provides base protection bandwidth. The fee is billed based on the base protection bandwidth limit and subscription plan period. Fees will be frozen at time of 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	Charges will be incurred only when elastic protection is triggered. Once it is triggered, you will be billed at the tier corresponding to the amount of usage for the current day (Peak attack bandwidth – Base protection bandwidth) and settled on the following day. You can customize the configuration to meet your protection needs.
Forwarding rules	• Monthly subscription • Billed by forwarding rules	Pay-as-you-go	60 forwarding rules are provided for free for each Anti-DDoS Advanced instance by default. Every additional 10 rules costs USD 100 per month. Each instance can have up to 500 forwarding rules.
Application bandwidth	• Monthly subscription • Billed by bandwidth • Pay-as-you-go on a daily basis	Pay-as-you-go	• 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. • When the application bandwidth is insufficient or a higher QPS is needed, you can upgrade or enable elastic

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			application bandwidth; otherwise, packet loss or business impact may occur. • After elastic application bandwidth is enabled, bandwidth in excess of the preset specification will be charged at 1 USD/Mbps/day. Please select the specification after reasonably assessing your application bandwidth scale.

Base protection

The basic protection service is billed based on your monthly plan. See the following table for detailed prices.

Regions in the Chinese mainland

Base Protection Capacity	Non-BGP	BGP
30 Gbps	-	3,300 USD/month
60 Gbps	7,200 USD/month	7,200 USD/month
100 Gbps	7,800 USD/month	7,800 USD/month
300 Gbps	8,470 USD/month	8,470 USD/month
500 Gbps	-	614,000 USD/year
800 Gbps	-	831,000 USD/year
1,000 Gbps	-	997,000 USD/year

Regions outside the Chinese mainland

Base Protection Capacity	Anti-CC Protection Cap	Price	Region
20Gbps	40,000QPS	4800 USD/month	Seoul
		4161 USD/month	Hong Kong (China), Taiwan (China), Singapore, Tokyo, Silicon Valley, Frankfurt
50Gbps	150,000QPS	10,500 USD/month	Hong Kong (China), Seoul, Singapore, Tokyo, Silicon Valley, Frankfurt
		8631 USD/month	Taiwan (China)
100Gbps	300,000QPS	16,500	Hong Kong (China), Seoul, Singapore, Tokyo, Silicon

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		USD/month	Valley, Frankfurt
		14,660 USD/month	Taiwan (China)

Note：

- "Non-BGP" refers to China Mobile/China Union/China Telecom network services. A non-BGP plan includes three Anti-DDoS Advanced instances, one for each of the network services.
- "Outside the Chinese mainland" refers to Tencent Cloud regions outside the Chinese mainland, namely, Hong Kong (China), Taiwan (China), Singapore, Seoul, Tokyo, Virginia, Silicon Valley and Frankfurt.

Elastic protection

You can enable elastic protection as needed.

Regions in the Chinese mainland

- If elastic protection is not enabled for an instance, its maximum protection will be the base protection bandwidth, and no extra fees will be incurred.
- If elastic protection is enabled for an instance, its maximum protection will be the selected elastic protection bandwidth.
  - If elastic protection is not triggered, no charges will be incurred.
  - Elastic protection will be triggered when the peak attack traffic exceeds the base protection bandwidth. You will be billed at the tier corresponding to the amount of usage for the current day (Peak attack bandwidth – Base protection bandwidth) and settled on the following day.

Note：

- Elastic bandwidth cap is the overall amount of multiple ISP bandwidth limits. Note that attack traffic exceeding one of the limits may be blocked even if the overall cap is not reached.
- Billable elastic bandwidth = Peak attack bandwidth – Base protection bandwidth

The detailed pricing of elastic protection is as follows:

Billing Tier	Non-BGP/BGP (USD/Day)
0 Gbps ≤ Billable elastic bandwidth < 5 Gbps	130
5 Gbps ≤ Billable elastic bandwidth < 10 Gbps	170

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Billing Tier	Non-BGP/BGP (USD/Day)
10 Gbps ≤ Billable elastic bandwidth < 20 Gbps	340
20 Gbps ≤ Billable elastic bandwidth < 30 Gbps	590
30 Gbps ≤ Billable elastic bandwidth < 40 Gbps	800
40 Gbps ≤ Billable elastic bandwidth < 50 Gbps	950
50 Gbps ≤ Billable elastic bandwidth < 60 Gbps	1,100
60 Gbps ≤ Billable elastic bandwidth < 70 Gbps	1,250
70 Gbps ≤ Billable elastic bandwidth < 80 Gbps	1,400
80 Gbps ≤ Billable elastic bandwidth < 90 Gbps	1,540
90 Gbps ≤ Billable elastic bandwidth < 100 Gbps	1,675
100 Gbps ≤ Billable elastic bandwidth < 120 Gbps	1,960
120 Gbps ≤ Billable elastic bandwidth < 150 Gbps	2,390
150 Gbps ≤ Billable elastic bandwidth < 200 Gbps	3,100
200 Gbps ≤ Billable elastic bandwidth < 250 Gbps	3,800
250 Gbps ≤ Billable elastic bandwidth < 300 Gbps	4,470
300 Gbps ≤ Billable elastic bandwidth < 400 Gbps	6,340
400 Gbps ≤ Billable elastic bandwidth < 600 Gbps	8,800
600 Gbps ≤ Billable elastic bandwidth< 900 Gbps	14,670
900 Gbps ≤ Billable elastic bandwidth < 1.2 Tbps	20,000

Outside the Chinese mainland

- If elastic protection is not enabled for an instance, its maximum protection will be the base protection bandwidth, and no extra fees will be incurred.
- If elastic protection is enabled for an instance, its maximum protection will be the selected elastic protection bandwidth.
  - If elastic protection is not triggered, no charges will be incurred.

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- Elastic protection will be triggered when the peak attack traffic exceeds the base protection bandwidth. You will be billed at the tier within which the peak attack bandwidth for the current day falls and settled on the following day.

The detailed pricing of elastic protection is as follows:

Billing Tier	Outside the Chinese mainland (USD/day)
20 Gbps ≤ Peak attack bandwidth < 30 Gbps	400
30 Gbps ≤ Peak attack bandwidth < 40 Gbps	700
40 Gbps ≤ Peak attack bandwidth < 50 Gbps	800
50 Gbps ≤ Peak attack bandwidth < 60 Gbps	1,200
60 Gbps ≤ Peak attack bandwidth < 70 Gbps	1,800
70 Gbps ≤ Peak attack bandwidth < 80 Gbps	2,200
80 Gbps ≤ Peak attack bandwidth < 90 Gbps	2,500
90 Gbps ≤ Peak attack bandwidth < 100 Gbps	2700
100 Gbps ≤ Peak attack bandwidth < 120 Gbps	2900
120 Gbps ≤ Peak attack bandwidth < 150 Gbps	3200
150 Gbps ≤ Peak attack bandwidth < 200 Gbps	4000
200 Gbps ≤ Peak attack bandwidth < 250 Gbps	4800
250 Gbps ≤ Peak attack bandwidth < 300 Gbps	5600
300 Gbps ≤ Peak attack bandwidth < 400 Gbps	6,600

Note：
Elastic bandwidth cap is the overall amount of multiple ISP bandwidth limits. Note that attack traffic exceeding one of the limits may be blocked even if the overall cap is not reached.

Forwarding rules

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

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Number of Forwarding Rules	Price (USD/month/10 rules)
Number of ports (or protected domain names) ≤ 60	Free
Number of ports (or protected domains) > 60	100

Note：
"Forwarding rules" is the total number of TCP/UDP ports (for non-website applications) and HTTP/HTTPS domain names configured (for website applications) 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.

- After elastic application bandwidth is enabled:
  - If elastic application bandwidth is not triggered, only the preset application bandwidth fee will be charged.
  - If elastic application bandwidth is triggered (the actual application bandwidth exceeds the preset application bandwidth), the excessive bandwidth will be billed on a daily basis with bill for day T pushed on day T + 1. The billing rule is excessive bandwidth * 1 USD/Mbps, and the excessive bandwidth is the maximum outbound Anti-DDoS traffic on day T minus the preset application bandwidth specification. If the excess is < 0, no bill will be pushed on day T + 1.
- If elastic application bandwidth is not enabled, the maximum application bandwidth is the preset specification. If it is exceeded, packet loss or business impact may occur, and only the preset application bandwidth fee will be charged 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

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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
1,000 Mbps	100,000 QPS
2,000 Mbps	200,000 QPS

Note：

- The application bandwidth is the maximum protection bandwidth for both inbound and outbound traffic. When the actual usage has exceeded the application bandwidth you set for a long period, we recommend increasing the limit before packet loss or service interruption occurs.
- QPS measures the number of normal application requests per second when there are no attacks. If this number is larger than the application bandwidth you selected when you purchased your Anti-DDoS Advanced instance, we recommend that you increase the HTTP/HTTPS QPS limit promptly to avoid affecting your business due to packet loss. To adjust the application bandwidth, refer to the table above.

Other Metrics

See the following table for descriptions of other metrics:

Metric	Specification	Description
Number of forwarding ports	60-500/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	20/instance	The total number of IP addresses for both layer-4 and

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server IPs		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.
Concurrent connections	200,000/Anti-DDoS Advanced instance	The number of concurrent connections per second for each Anti-DDoS Advanced instance.

Note：
The specifications above are only applicable to instances purchased on Tencent Cloud official website. If you want to increase specifications, please submit a ticket.

Arrears Notification

For Anti-DDoS Advanced instances:

- If the account balance is sufficient, the system will automatically settle the fees for the previous month and deduct them on the 1st of the following month.
- If the account balance is insufficient, the system will remind you to top up the account via the channel you configured (email, SMS, and Message Center).

Note：

- Anti-DDoS Advanced is a pay-as-you-go service that is billed monthly. The minimum subscription term is 1 month. Upon expiry, your subscription will be auto-renewed unless canceled by contacting us. Your instances cannot be terminated during a subscription term.
- Make sure that you have one-month credit to be frozen when activating this service.
- Payments for this service are not refundable.

Service Termination

Anti-DDoS Advanced adopts a pay-as-you-go model. If you want to end the service, you need to submit a ticket to terminate your instances. Otherwise, charges are still be incurred.

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- After you apply for a termination in the current month, the monthly-subscribed items will be settled as usual, while the daily billable items are settled based on the actual usage. After you terminate your instances, the service will be stopped immediately and the instances will no longer be billed for the next month.
- The entire termination takes 1-3 working days to complete and is subject to the actual operation (protection fees may be incurred during the period).

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Purchase Directions

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Prerequisite

You need to sign up for a Tencent Cloud account before using Anti-DDoS Advanced.

Note：

- Anti-DDoS Advanced is a pay-as-you-go service that is billed monthly. The minimum subscription term is 1 month. Upon expiry, your subscription will be auto-renewed unless canceled by contacting us. Your instances cannot be terminated during a subscription term.
- Make sure that you have one-month credit to be frozen when activating this service.
- Payments for this service are not refundable.

Directions

Purchase an Anti-DDoS Advanced instance (Chinese mainland)

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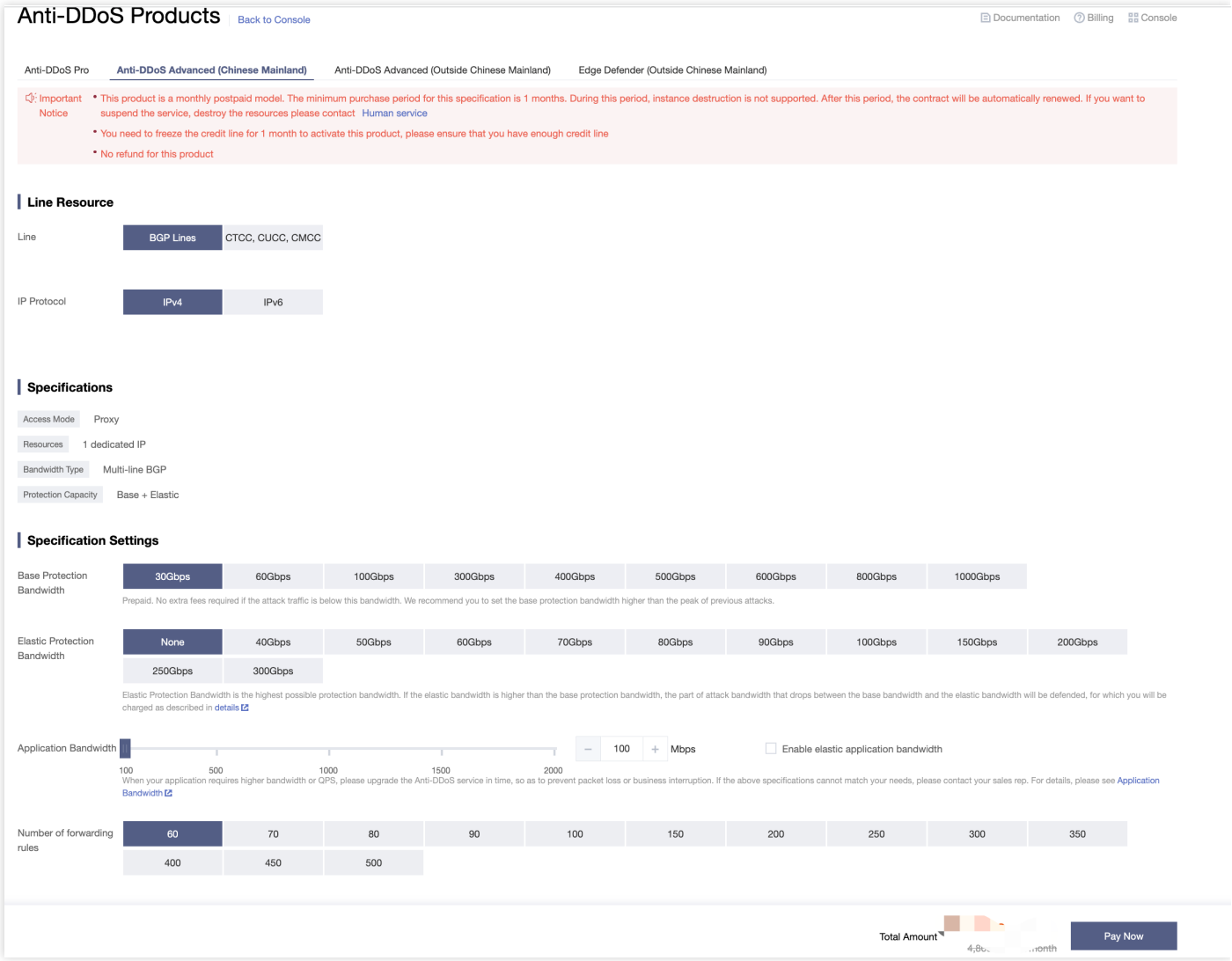
1. Go to the buy page, and select **Anti-DDoS Advanced (Chinese Mainland)**.



2. Configure the following parameters as needed.

- Line: provides BGP lines and non-BGP lines (CTCC, CUCC, CMCC).
- Specifications:
  - Access mode: proxy
  - Resources: 1 dedicated IP
  - Bandwidth type: multi-line BGP
  - Protection capability: base protection bandwidth + elastic protection bandwidth
- Base protection bandwidth: supports monthly subscription. We recommend that you select 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: Fees based on the actual protection bandwidth by day. We recommend that you select an elastic protection bandwidth slightly higher than the largest attack traffic in history to defend against

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sudden increases in attack traffic, and avoid IP blocking caused by traffic exceeding the protection bandwidth limit.

- Application bandwidth: the maximum application bandwidth, which must be greater than the total amount of inbound and outbound application bandwidth.

> Note：
> You can enable elastic protection bandwidth when you need to increase application bandwidth and QPS. After it's enabled, the amount of bandwidth exceeding the specified amount will be billed at 1 USD/Mbps/day. Please select as needed.

- Forwarding rules: 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.
- Validity: Select how long the service plan you want to purchase. The fees are prepaid and calculated based on the number of instances, the base protection bandwidth and the purchased usage period.

3. Click **Pay Now** to complete your purchase.

Purchase an Anti-DDoS Advanced instance (outside the Chinese mainland)

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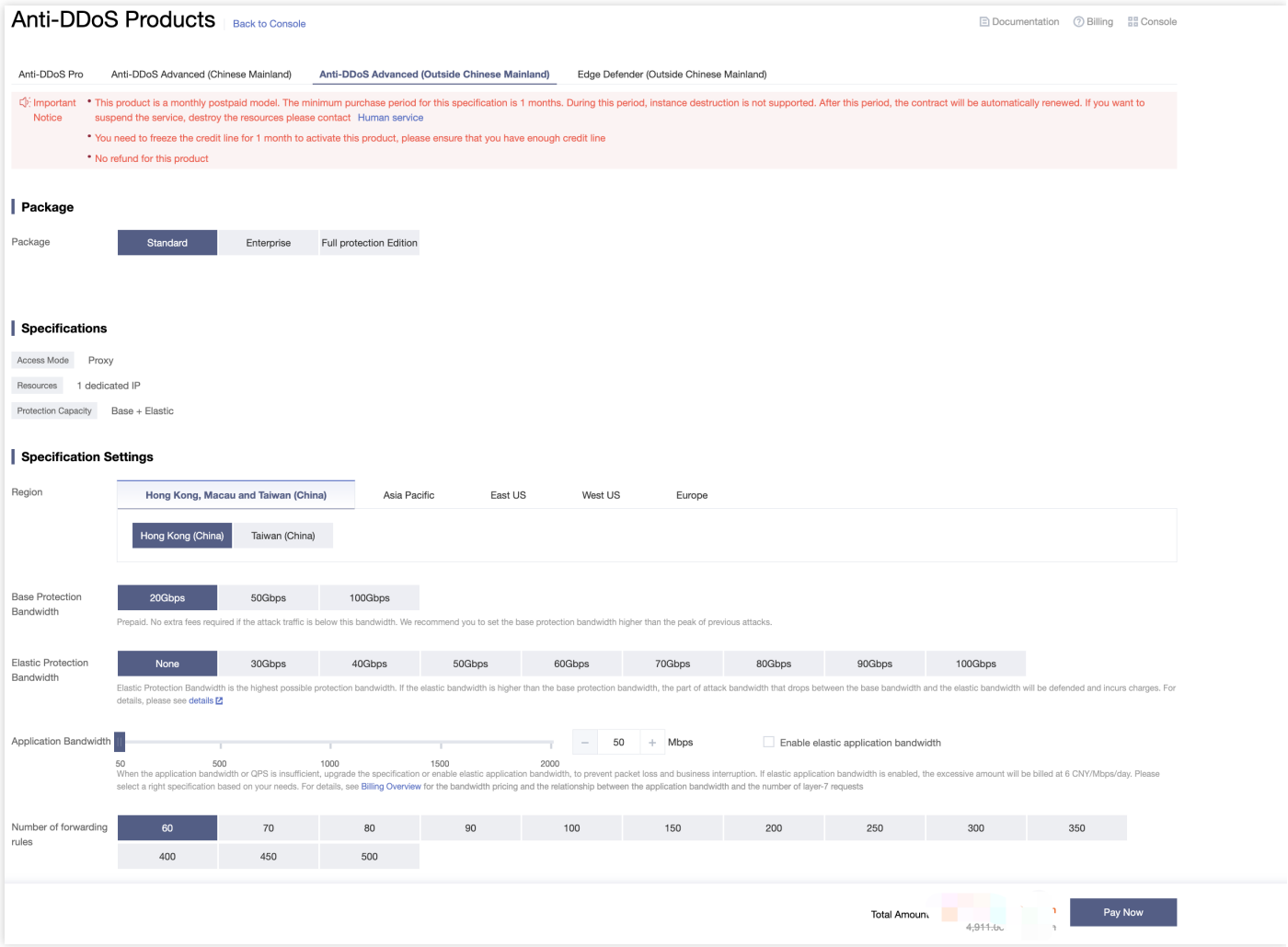
1. Go to the buy page, and select **Anti-DDoS Advanced (Outside Chinese Mainland)**.



2. Specify the following configurations according to your needs.

- Specifications:
  - Access mode: proxy
  - Resources: 1 dedicated IP
  - Protection capability: Base protection bandwidth + elastic protection bandwidth
- Region: Anti-DDoS Advanced uses the forwarding proxy method. Please choose a location near the real server to reduce connection latency.
- Base protection bandwidth: It supports monthly subscription. We recommend that you select 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: Fees based on the actual protection bandwidth by day. We recommend that you select an elastic protection bandwidth slightly higher than the largest attack traffic in history to defend against sudden increases in attack traffic, and avoid IP blocking caused by traffic exceeding the protection bandwidth limit.

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- Application bandwidth: The maximum application bandwidth, which must be greater than the total amount of inbound and outbound application bandwidth.

  > Note：
  > You can enable elastic protection bandwidth when you need to increase application bandwidth and QPS. After it's enabled, the amount of bandwidth exceeding the specified amount will be billed at 1 USD/Mbps/day. Please select as needed.

- Forwarding rules: 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.
- Validity: Select how long the service plan you want to purchase. The fees are prepaid and calculated based on the number of instances, the base protection bandwidth and the purchased usage period.

3. Click **Pay Now** to complete your purchase.

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