Anti-DDoS Pro

Operation Guide

Product Documentation

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Last updated：2023-04-20 16:43:51

This document lists the references for common operations while using Anti-DDoS Pro.

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Protection Overview

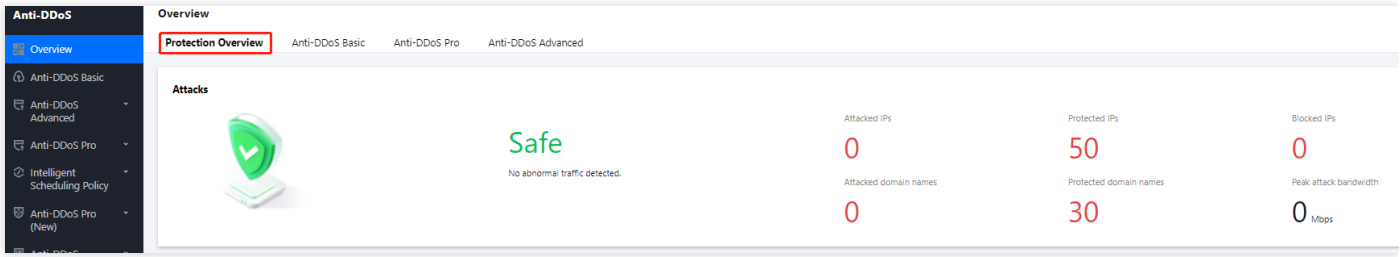
Last updated：2022-02-22 16:40:03

Protection Overview

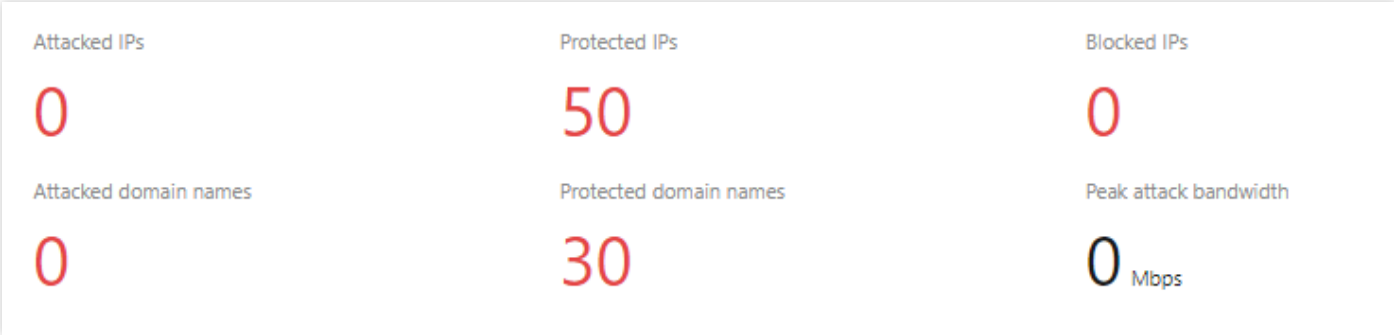
The protection overview page of the Anti-DDoS console shows you complete, real-time indicators for basic protection, Anti-DDoS Pro, and Anti-DDoS Advanced applications, including the protection status and DDoS attack events, which can be used for analysis and source tracing.

Viewing attack statistics

1. Log in to the new Anti-DDoS console, and select **Overview** on the left sidebar to enter the **Protection Overview** page.



2. In the "Attacks" module, you can view the application security status, the latest attack and the attack type. To obtain higher protection, you can click **Upgrade Protection**.
3. This module also displays the details of the following data.



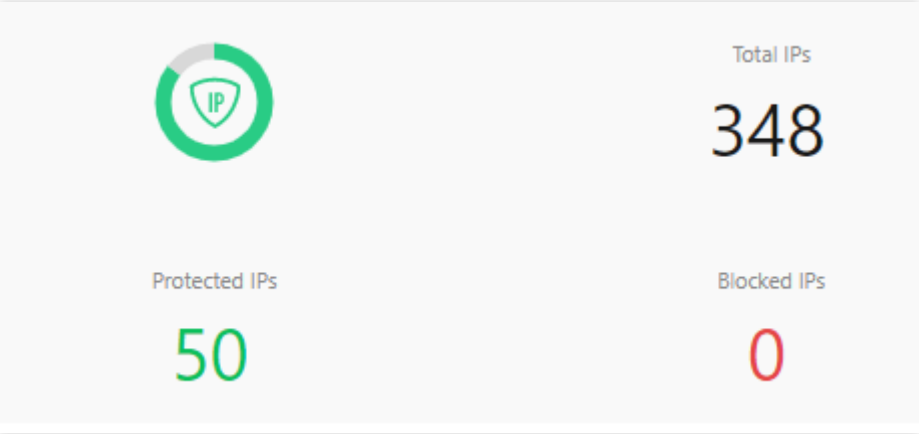
Field description:

- Attacked IPs: the total number of attacked application IPs of basic protection, Anti-DDoS Pro and Anti-DDoS Advanced.
- Protected IPs: the total number of protected application IPs of Anti-DDoS Pro and Anti-DDoS Advanced.

- Blocked IPs: the total number of blocked IPs of basic protection, Anti-DDoS Pro and Anti-DDoS Advanced.
- Attacked domain names: the total number of domain names of attacked Anti-DDoS Advanced instances and ports.
- Protected domain names: the number of domain names connected to Anti-DDoS Advanced instances.
- Peak attack bandwidth: the maximum attack bandwidth of the current attack events.

Viewing defense statistics

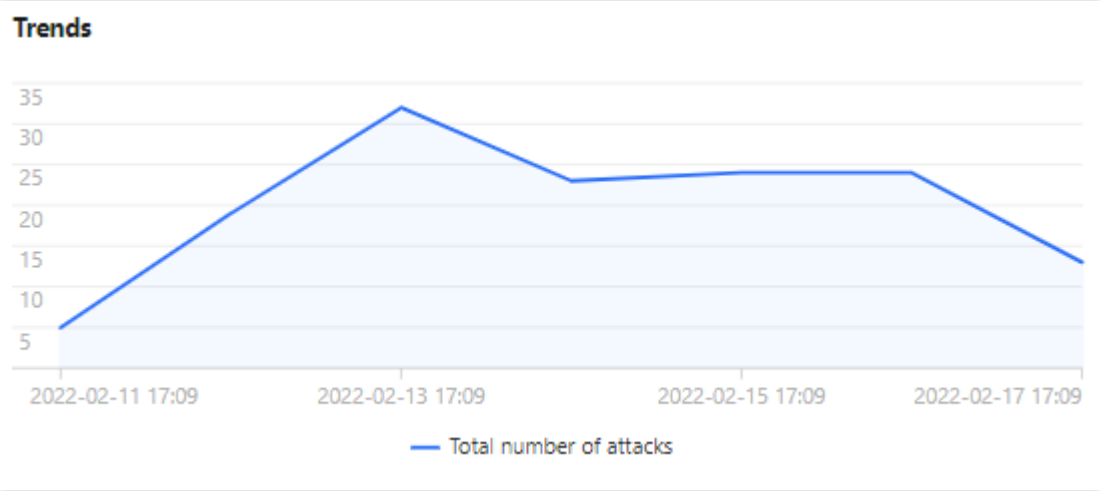
1. Log in to the new Anti-DDoS console, and select **Overview** on the left sidebar to enter the **Protection Overview** page.
2. In the "Defense" module, you can easily see the application IP security status.



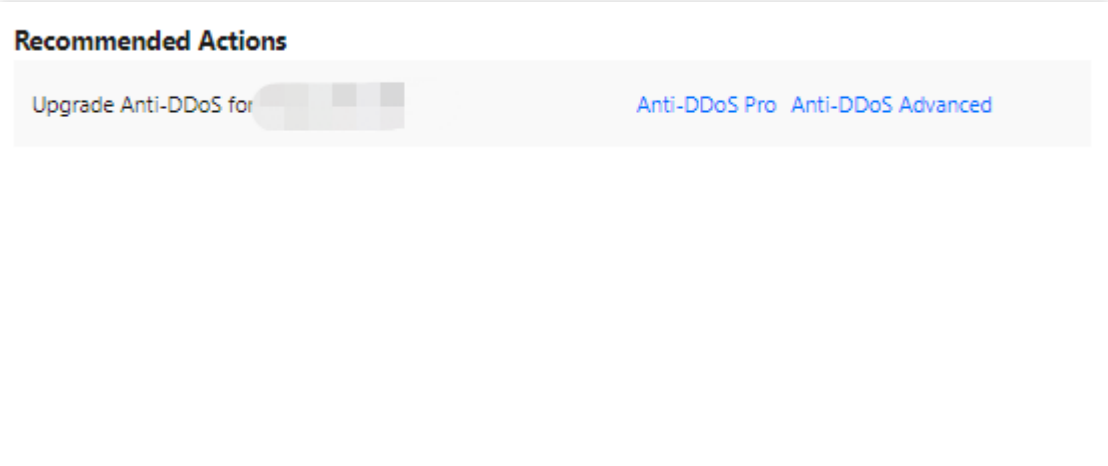
Field description:

- Total IPs: the total number of application IPs, including IPs of basic protection, Anti-DDoS Pro and Anti-DDoS Advanced.
- Protected IPs: the total number of protected application IPs of Anti-DDoS Pro and Anti-DDoS Advanced.
- Blocked IPs: the total number of blocked IPs of basic protection, Anti-DDoS Pro and Anti-DDoS Advanced.

3. This module also displays the total number of attacks on your applications, giving you a picture of the distribution of attacks.

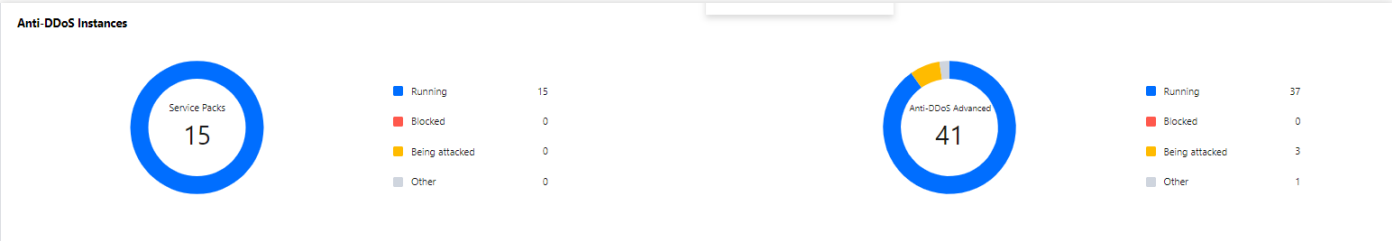


4. Meanwhile, this module provides recommended actions for the attacked IPs connected to basic protection, allowing you to quickly upgrade your Anti-DDoS service.



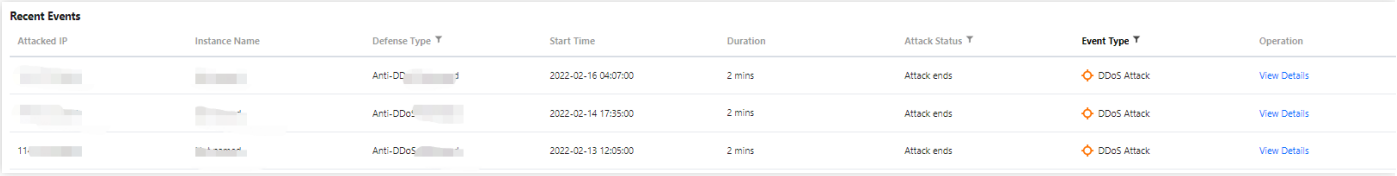
Viewing instance statistics

1. Log in to the new Anti-DDoS console, and select **Overview** on the left sidebar to enter the **Protection Overview** page.
2. The "Anti-DDoS Instances" module visualizes the Anti-DDoS instance status data, providing an easy and complete way to know the distribution of insecure applications.

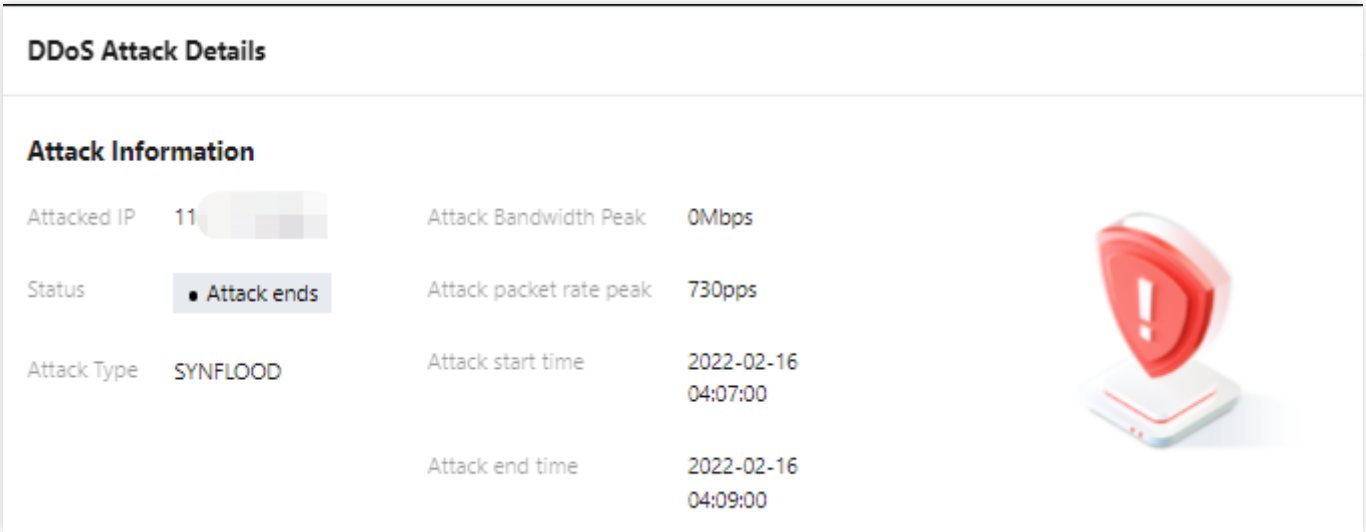


Viewing recent events

1. Log in to the new Anti-DDoS console, and select **Overview** on the left sidebar to enter the **Protection Overview** page.
2. The "Recent Events" module shows you all the recent attack events. For attack analysis and source tracing, click **View Details** to enter the event details page.



3. In the "Attack Information" module of the event details page, you can view the detailed attack information for the selected period, including the attacked IP, status, attack type (which is sampled data), peak attack bandwidth and attack packet rate, and attack start and end time.

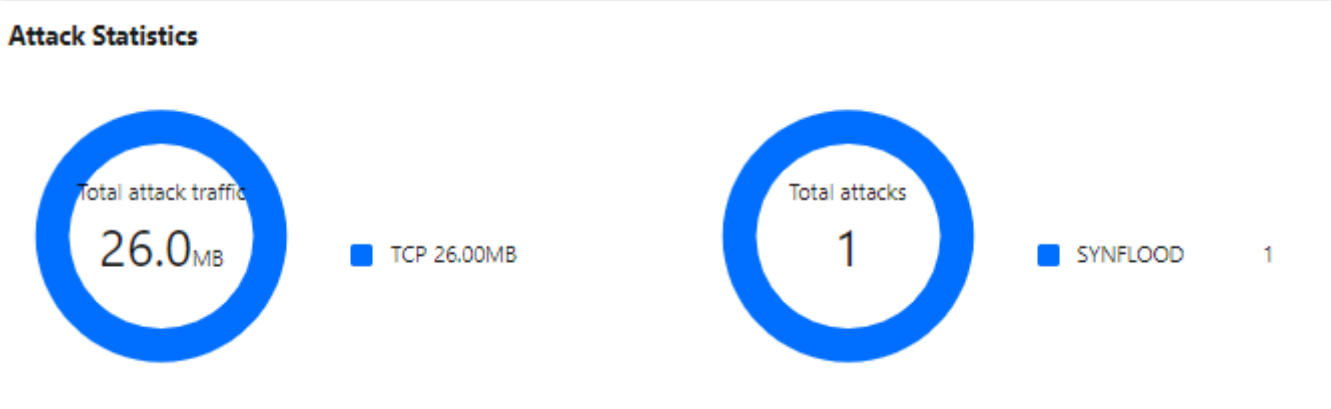


4. In the "Attack Trend" module of the event details page, you can view the trend of attack bandwidth and attack packet rate and easily find the peak spikes.

> Note：
> This module provides complete, real-time data in the attack period.

5. In the "Attack Statistics" module of the event details page, you can view how attacks distribute over different attack traffic protocols and attack types.

> Note：
> This module provides sampled data in the attack period.

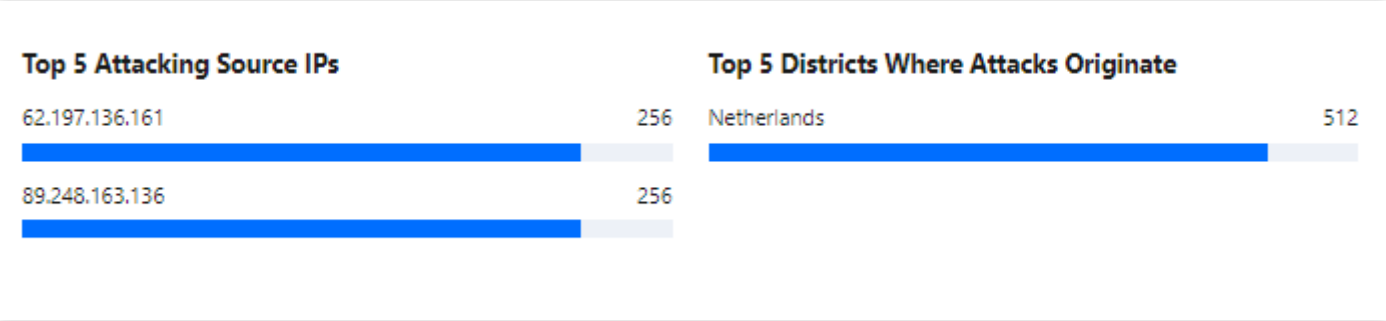


Field description:

- Attack traffic protocol distribution: displays how attacks on the selected Anti-DDoS Pro instance distribute over different attack traffic protocols within the queried period.
- Attack type distribution: displays how attacks on the selected Anti-DDoS Pro instance distribute over different attack types within the queried period.

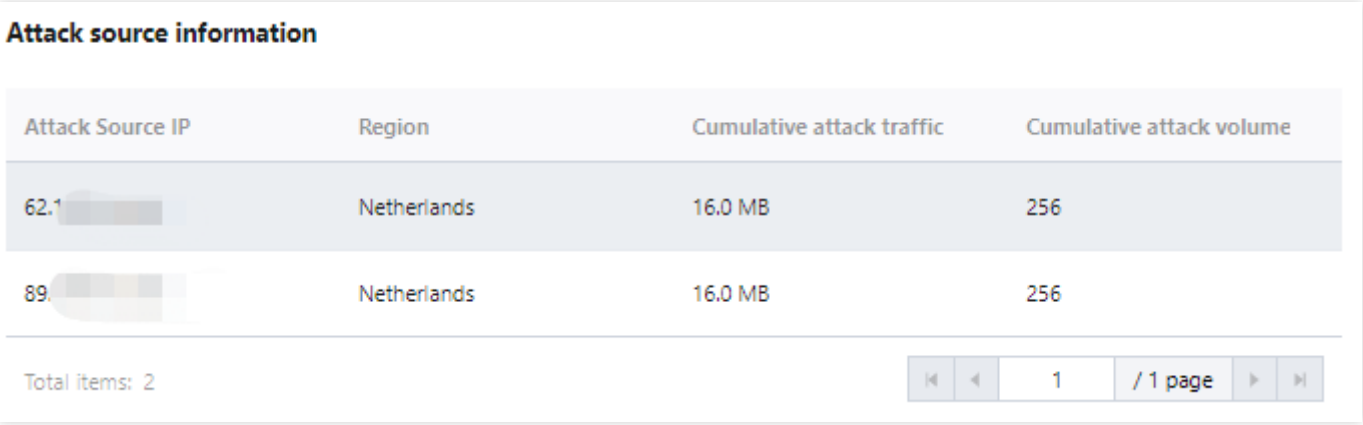
6. The "Top 5" modules of the event details page displays the top 5 attacker IP addresses and the top 5 attacker regions, which is helpful to precise protection configuration.

> Note：
> This module provides sampled data in the attack period.



7. In the "Attacker Information" module of the event details page, you can view the sampled data of the attack period, including the attacker IP, region, total attack traffic, and total attack packets.

> Note：
> This module provides sampled data in the attack period.

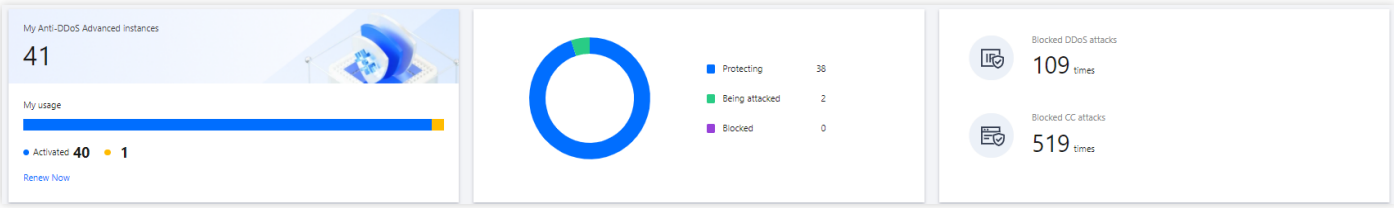


Anti-DDoS Pro Overview

After an IP address is bound to an Anti-DDoS Pro instance, when you receive a DDoS attack alarm message or notice any issue with your business, you need to view the attack details in the console, including the attack traffic and current protection effect. Enough information is critical for you to take measures to keep your business running smoothly.

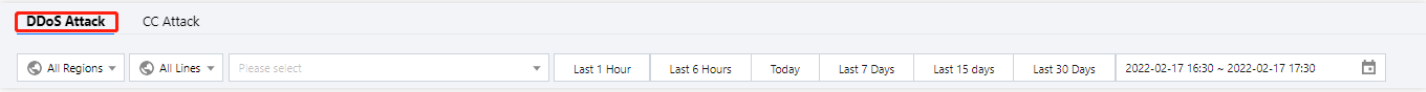
Viewing DDoS protection details

1. Log in to the new Anti-DDoS console, select **Overview** on the left sidebar and then open the **Anti-DDoS Pro** tab.

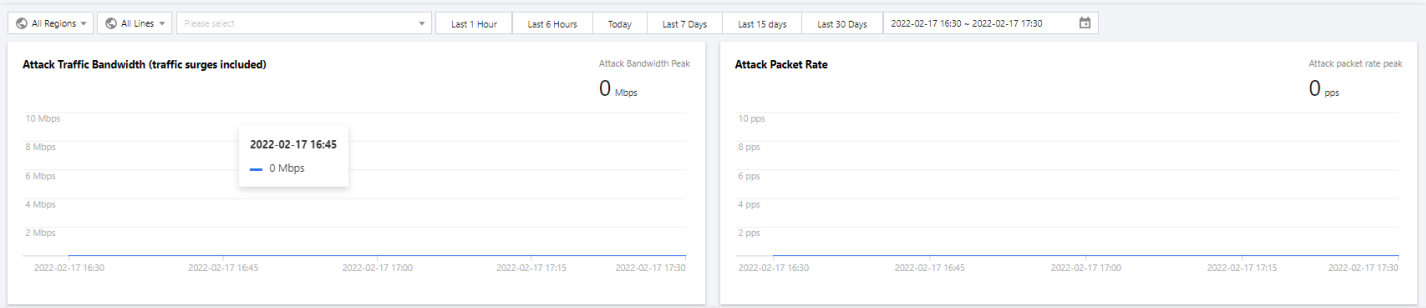


2. On the **DDoS Attack** tab, select a query period, target region, and an instance to check whether the instance has been attacked. The complete attack data is displayed by default.

> Note：
> You can query attack traffic and DDoS attack events in the past 180 days.

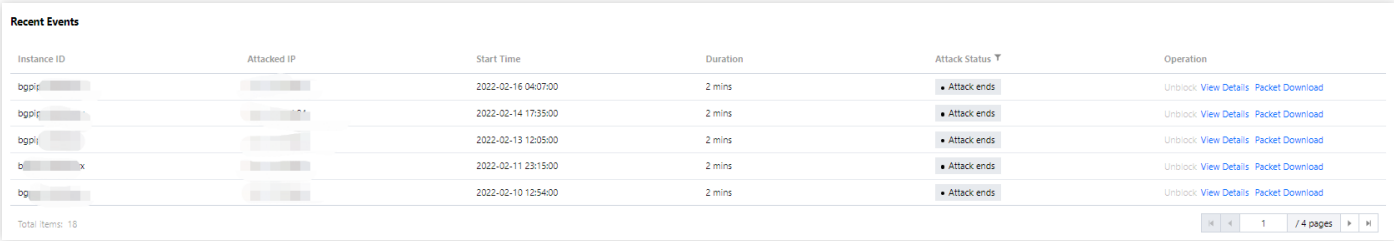


2. View the information of attacks suffered by the selected Anti-DDoS Pro instance within the queried period, such as the trends of attack traffic bandwidth/attack packet rate.

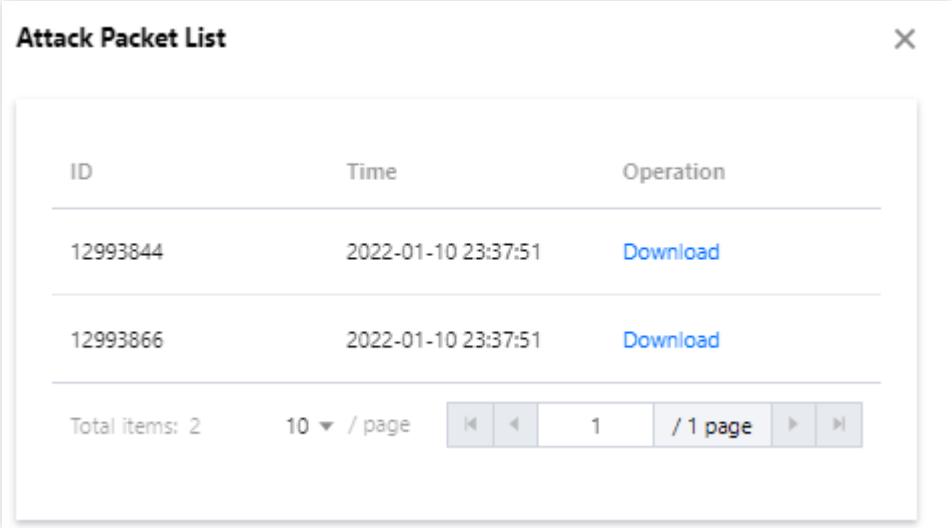


3. You can view the recent DDoS attacks in the **Recent Events** section.

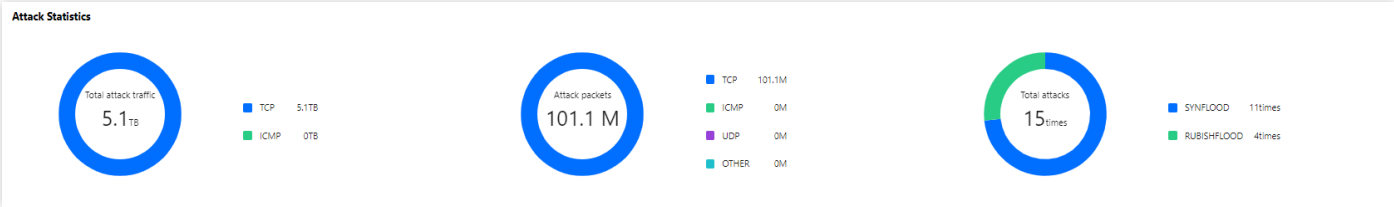
- Select an event and click **View Details**. You will see the attacker IP, source region, generated attack traffic, and attack packet size on the right, which can be used for attack and source analyses.



- Select an event and click **Packet Download**. In the pop-up packet list, select an ID, and click **Download** to download the attack packet sample data, with which you can create a protection plan.



4. In the **Attack Statistics** section, you can view how the attacks distribute across different attack traffic protocols, attack packet protocols, and attack types.

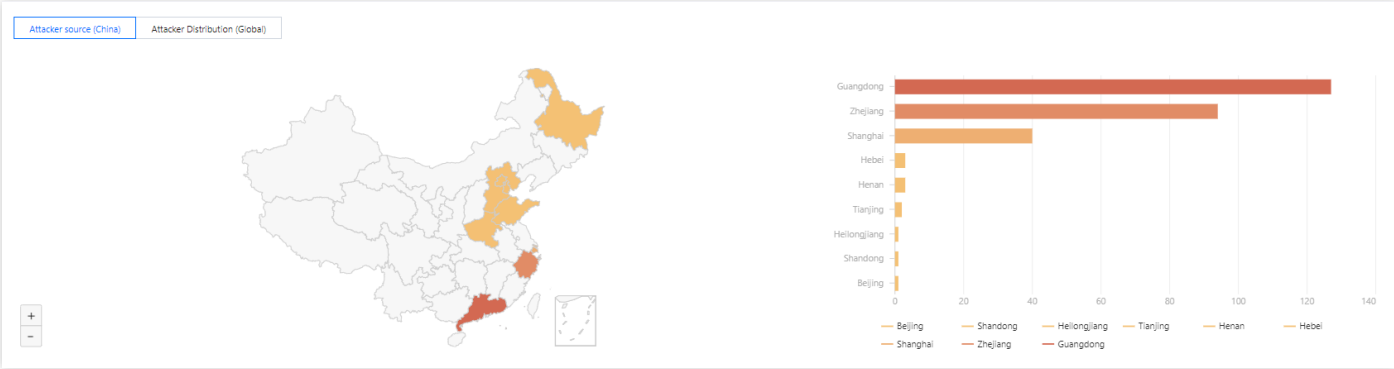


Field description:

- Attack traffic protocol distribution: displays how attacks on the selected Anti-DDoS Pro instance distribute over different attack traffic protocols within the queried period.
- Attack packet protocol distribution: displays how the attacks suffered by the selected Anti-DDoS Pro instance distribute across different attack packet protocols within the queried period.

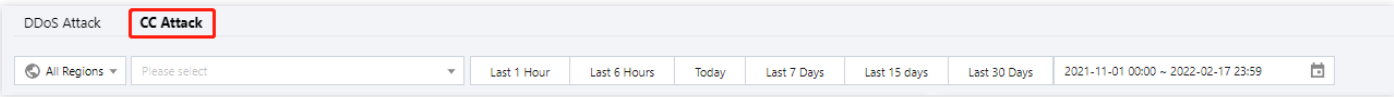
- Attack type distribution: displays how attacks on the selected Anti-DDoS Pro instance distribute over different attack types within the queried period.

5. In the attack source section, you can view the distribution of DDoS attack sources in and outside the Chinese mainland within the queried period, so that you can take further protective measures.

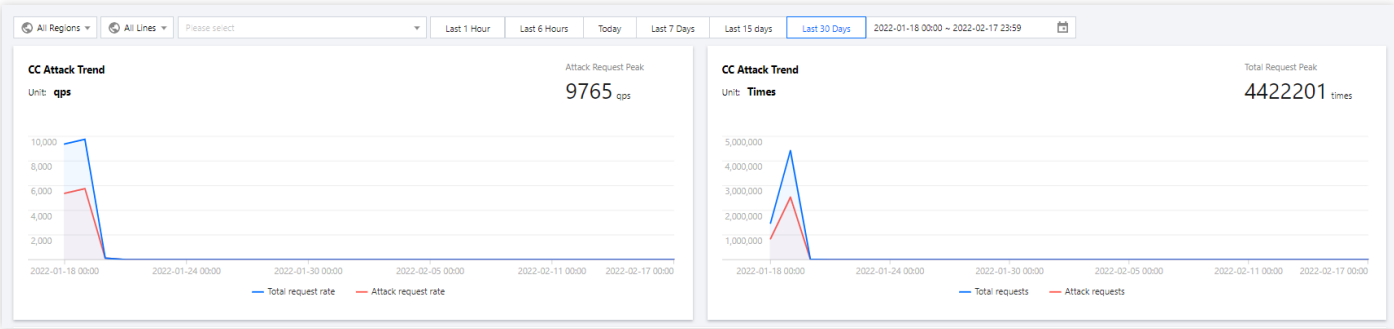


Viewing CC protection details

1. On the **CC Protection** tab, select a query period, target region, and an instance to check whether the instance has been attacked.



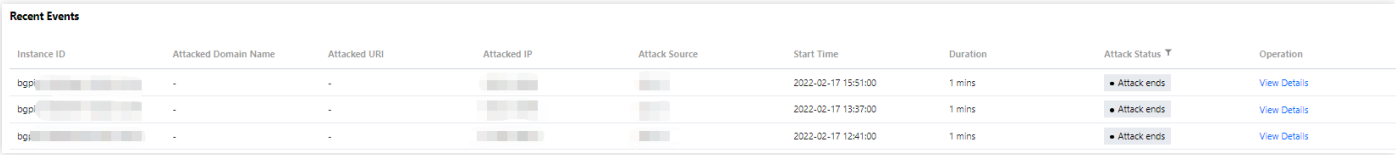
2. You can select **Today** to view the following data to identify the impact of attacks on your business.



Field description:

- Total request rate: the rate of total traffic (in QPS).
- Attack request rate: the rate of attack traffic (in QPS).
- Total requests: the total number of requests received.
- Attack requests: the number of attack requests received.

3. You can view recent CC attacks in the **Recent Events** section. Click **View Details** on the right of an event to display the attack start and end time, attacked domain name, total request peak, attack request peak, and attacker IP. You can also check the attack information, attack trends, and detailed CC records.



Recent Events

Instance ID	Attacked Domain Name	Attacked URI	Attacked IP	Attack Source	Start Time	Duration	Attack Status	Operation
bgpl	-	-			2022-02-17 15:51:00	1 mins	Attack ends	View Details
bgpl	-	-			2022-02-17 13:37:00	1 mins	Attack ends	View Details
bgp	-	-			2022-02-17 12:41:00	1 mins	Attack ends	View Details

Use Limits

Last updated：2020-07-30 12:08:28

Limit on Applicable Services

Anti-DDoS Pro is only applicable to Tencent Cloud services, such as CVM, CLB, and NAT gateway.

Limit on Access

An Anti-DDoS Pro instance can only be bound to Tencent Cloud public IPs in the same region.

Limit on Blocklist/Allowlist

- For DDoS protection, up to 100 IP addresses can be added to the IP blocklist and allowlist in total.
- IP blocklist/allowlist and URL allowlist currently cannot be configured for CC protection.

Limit on Available Regions

An Anti-DDoS Pro instances can only be bound to Tencent Cloud devices in the same region. Currently available regions include Beijing, Shanghai, and Guangzhou.

Instance Management
Viewing Instance Information

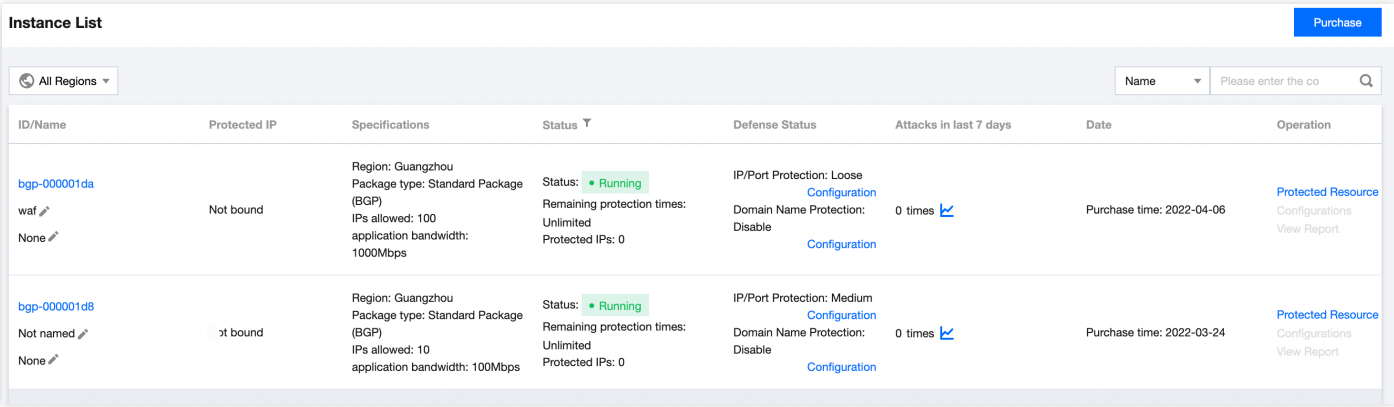
Last updated：2022-04-22 11:29:54

You can view the basic information (such as the base protection bandwidth and running status) and configure elastic protection of all purchased Anti-DDoS Pro instances in the Anti-DDoS Console.

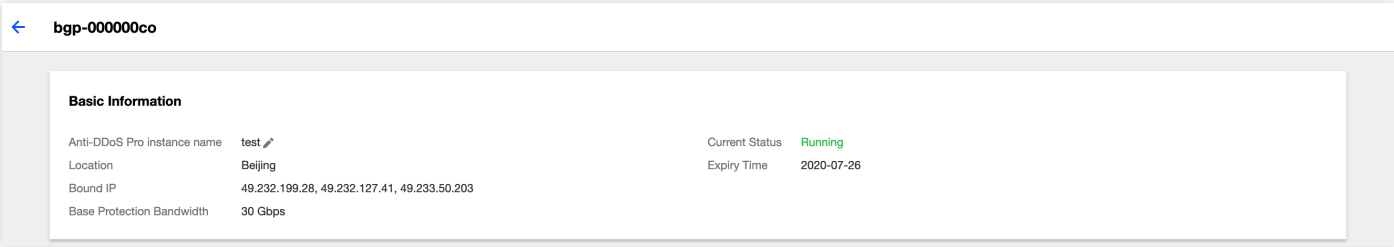
Directions

This example shows you how to view the information of the single IP instance `bgp-0000008o` in the Guangzhou region.

1. Log in to the new Anti-DDoS Pro Console and click **Anti-DDoS Pro Instance** on the left sidebar. Find the instance whose ID is `bgp-0000008o` and click the ID to view the instance details. If there are many instances, you can use the search box in the top-right corner for filtering.



2. On the pop-up page, you can view the following information:



Parameter description:

- **Name**
  This is the name of the Anti-DDoS Pro instance for easier instance identification and management. You can set a custom instance name containing 1–20 character of any type as desired.
- **Region**
  This is the **region** selected when the Anti-DDoS Pro instance is purchased.
- **Bound IP**
  This is the actual IP of the business protected by the Anti-DDoS Pro instance.
- **Base protection bandwidth**
  This is the base protection bandwidth of the Anti-DDoS Pro instance, i.e., the **base protection bandwidth** selected when the instance is purchased. If elastic protection is not enabled, this will be the maximum protection bandwidth of the instance.
- **Current status**
  This is the current status of the Anti-DDoS Pro instance, such as **Running**, **Cleansing**, and **Blocked**.
- **Tag**
  This is the tag name of the Anti-DDoS Pro instance, which can be edited and deleted.

Managing Protected Object

Last updated：2023-06-25 14:42:22

Anti-DDoS Pro provides stronger anti-DDoS protection for Tencent Cloud public IPs. It supports Tencent Cloud services including CVM, CLB, NAT, and WAF.

You can add or delete IPs protected by Anti-DDoS Pro instances as needed.

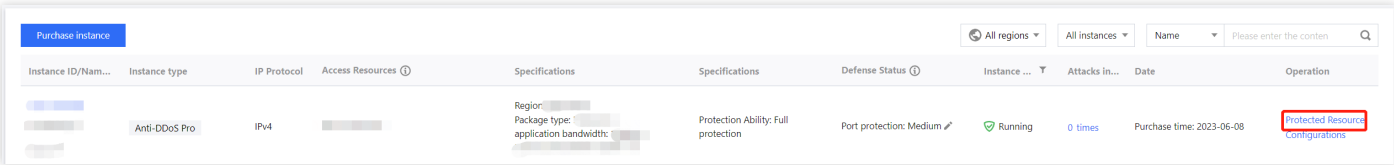
Prerequisite

You have purchased an Anti-DDoS Pro instance.

> Note：
> Anti-DDoS Pro (Enterprise) takes effect only after binding with an Anti DDoS EIP. You need to **change the cloud IP to Anti DDoS EIP**. Anti-DDoS Pro (Enterprise) must be located in the same region with the bound cloud resource. For details, see Creating Anti DDoS EIP.

Directions

1. Log in to the Anti-DDoS Pro Console and click **Protection Instance** in the left sidebar.
2. Click the **Protected Resource** on the right of the target Anti-DDoS Pro instance.



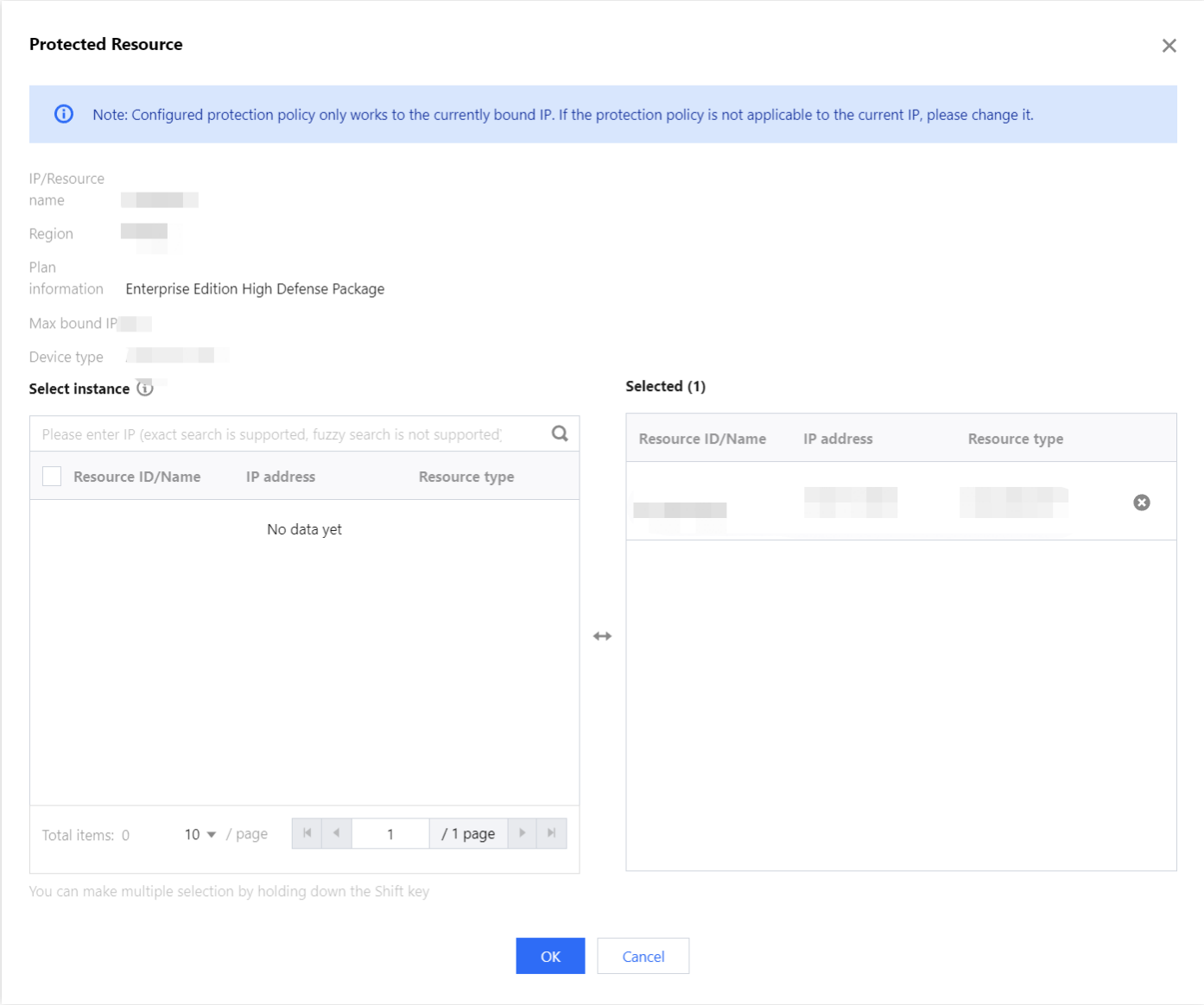
3. On the **Protected Resource** page, select a resource type and a resource instance as needed.

- Resource type: Supports cloud resources with public IPs such as CVM, CLB, and WAF.

> Note：
> Anti-DDoS Pro (Enterprise) takes effect only after binding it with an Anti DDoS EIP.

- Select resource: To add one or more resource instances for protection, tick the checkbox for the resource ID. The number of selected resource instances cannot exceed the max number of protected IPs.

- Selected: To delete the selected resource instance, click **Delete** on the right of it.



Note：

- Unbinding a blocked IP from Anti-DDoS Pro instances is not allowed.
- Searching and selecting more than one associated cloud resource at once is supported.
- CLB and CVM instances which are detected terminated will be unbound.

4. Click **OK**.

Setting Instance Alias and Tag

Last updated：2020-07-07 16:04:05

When multiple Anti-DDoS Pro instances are used, you can set "instance names" to identify and manage instances quickly.

Prerequisites

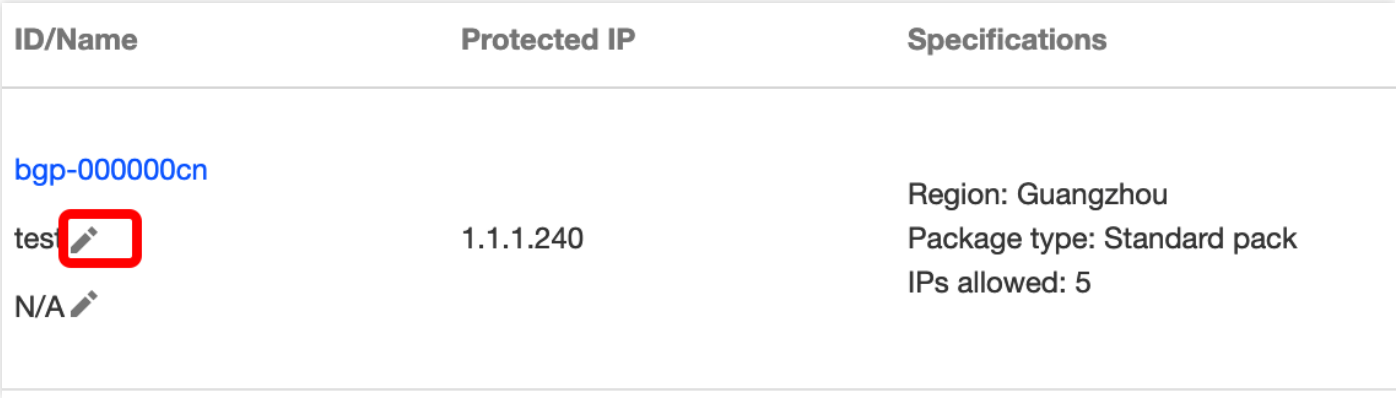
You need to purchase an Anti-DDoS Pro instance and set the protected object's IP first.

Directions

Method 1

1. Log in to the new Anti-DDoS Pro Console and select **Anti-DDoS Pro Instance** on the left sidebar.
2. Click the "Edit" icon on the second row in the "ID/Name" column of the target instance and enter a name.

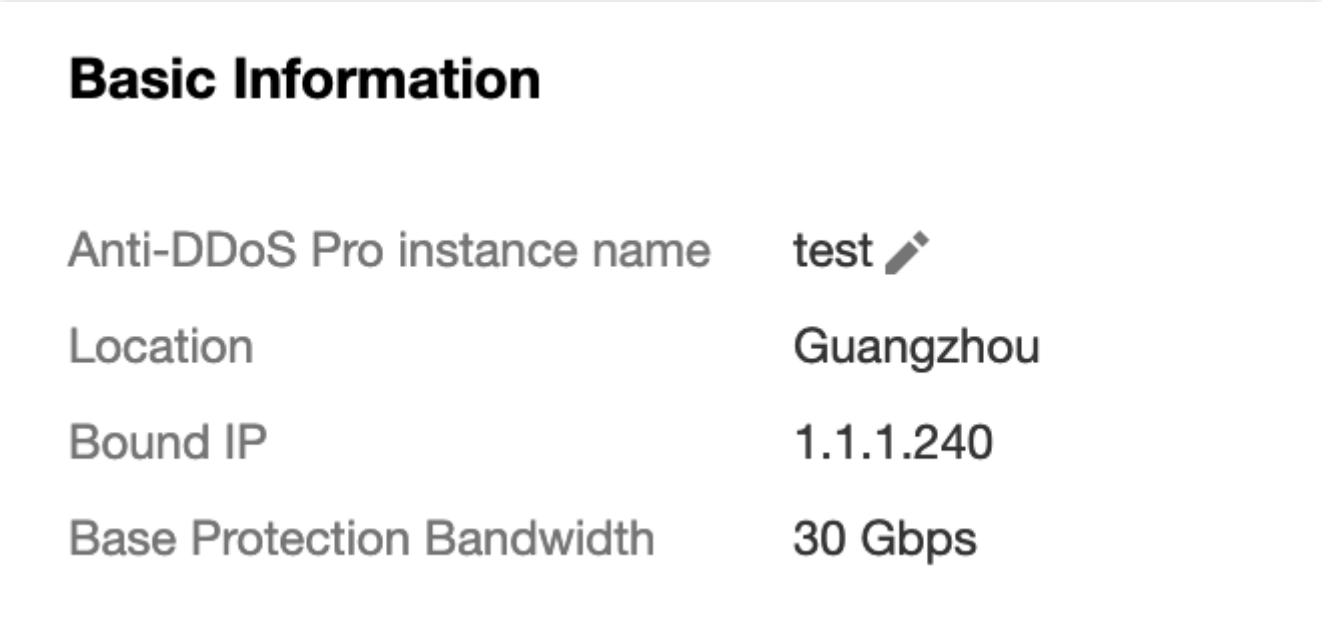
> The name can contain 1–20 characters of any type.



Method 2

1. Log in to the new Anti-DDoS Pro Console and click **Anti-DDoS Pro Instance** on the left sidebar.
2. In the instance list below, click the ID of the target instance in the "ID/Name" column to enter its basic information page.

3. On the basic information page of the instance, click the "Edit" pencil icon on the right of the instance name and enter a name.



The name can contain 1–20 characters of any type.

Business Connection
Quick IP Connection

Last updated：2024-01-24 15:12:22

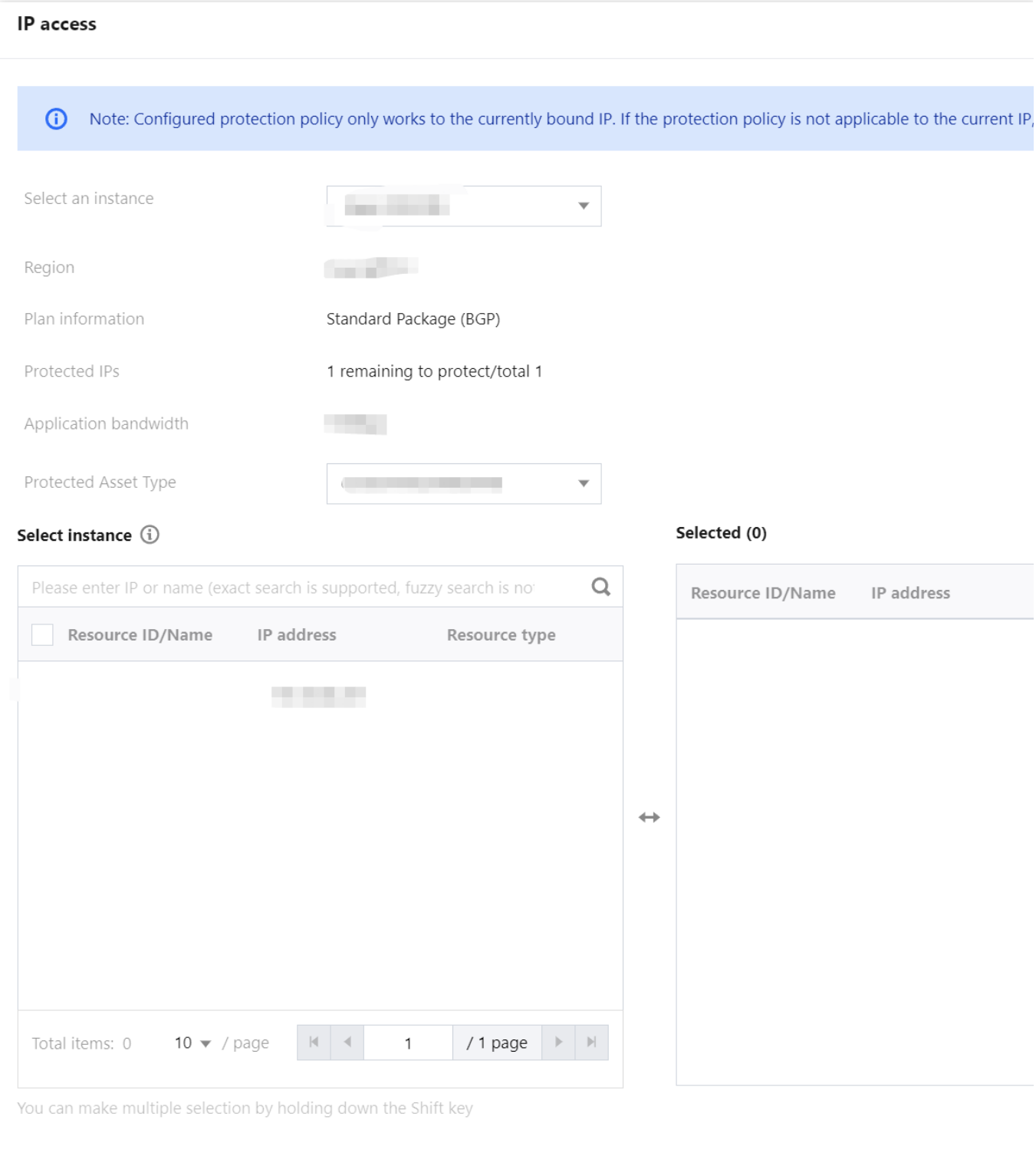
Note:
Quick IP access allows you to quickly bind an Anti-DDoS Pro instance to a cloud asset. Note that for an Anti-DDoS Pro (Enterprise) instance, you need to first unbind the cloud asset from the original public IP and bind it to an EIP in the CVM console. If you want to hide the IP of the real server, please select access via port or access via domain name.

Prerequisite

You have purchased an Anti-DDoS Pro instance.

Directions

1. Log in to the new Anti-DDoS console, click **Business Access** on the left sidebar, and then click the **Quick IP access** tab.
2. On the **Quick IP access** tab, click **Start Access**.
3. In the pop-up page, select an Anti-DDoS instance and resource instances as needed.



Note

Unbinding a blocked IP from an Anti-DDoS Pro instance is not allowed.

Searching for and selecting more than one associated cloud resource at once is supported.

CLB and CVM instances that are detected terminated will be unbound.

4. Click **OK**.

Domain Name Connection

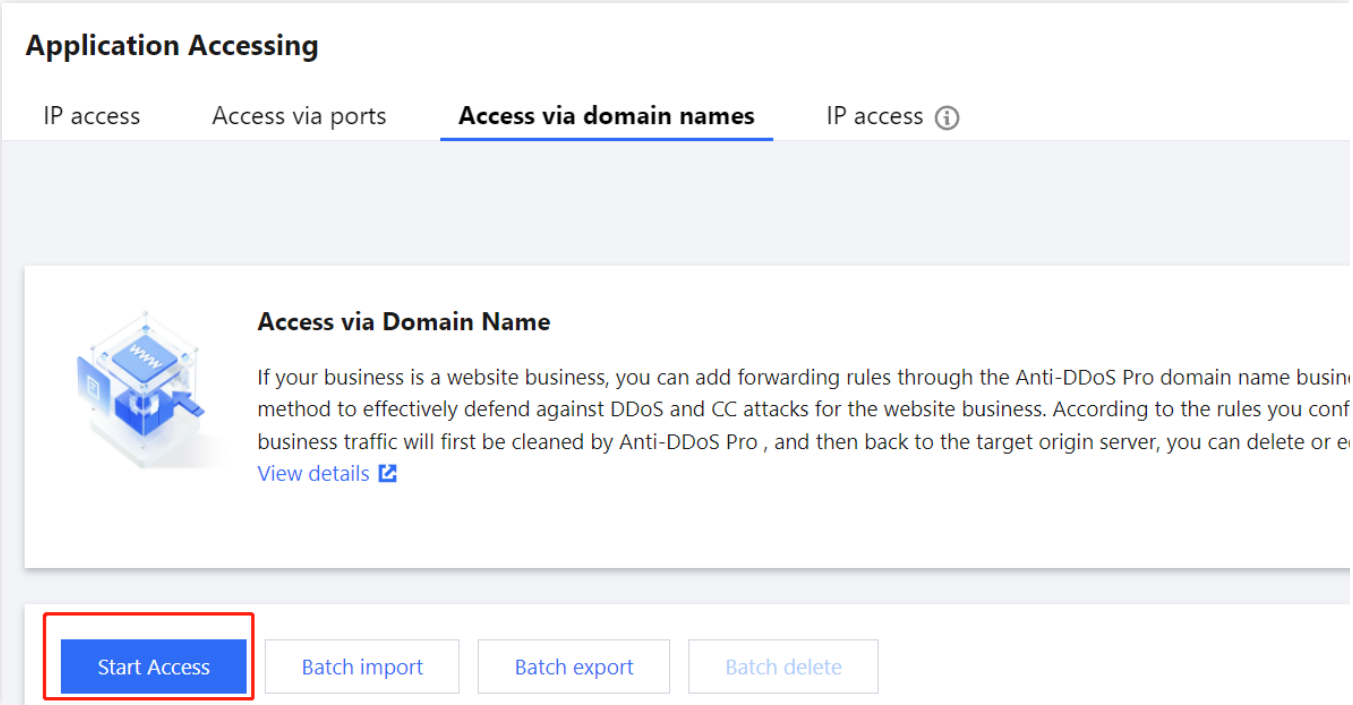
Last updated：2024-01-24 15:14:11

Note:

The DNS resolution address should be changed to the CNAME address provided, which will be updated from time to time. (Non-BGP resources are not supported).

Connecting a rule

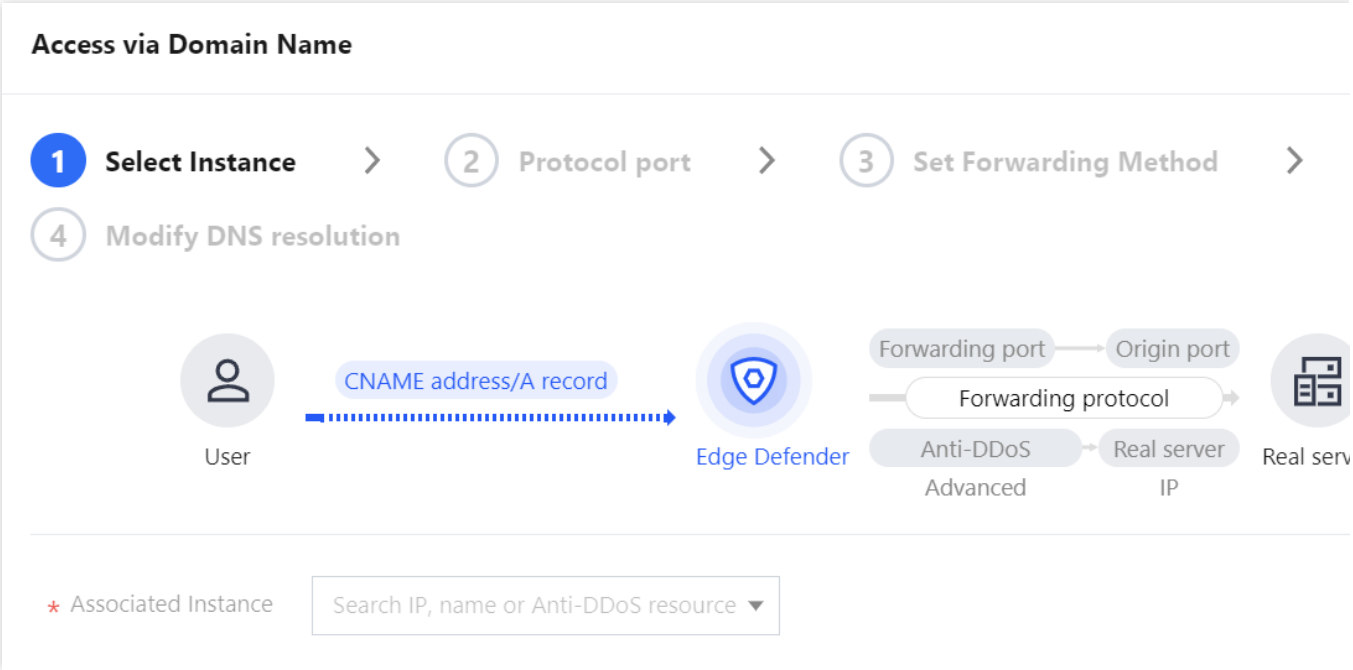
1. Log in to the new Anti-DDoS console, click **Business Access** on the left sidebar, and then click the **Access via domain name** tab.
2. On the **Access via domain name** page, click **Start Access**.



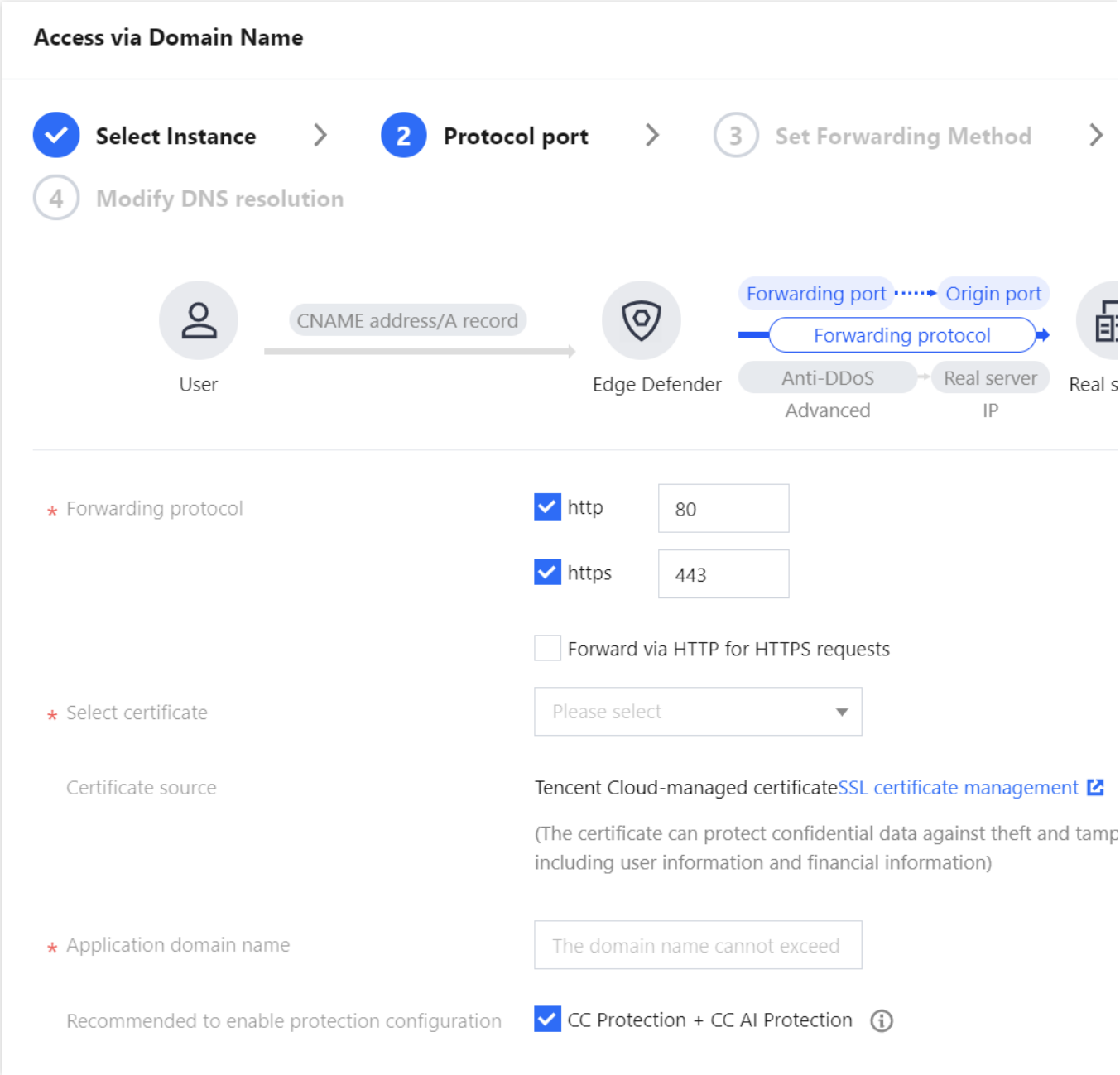
3. In the pop-up window, select an associated instance ID and click **Next: Set Protocol Port**.

Note:

You can select multiple instances.



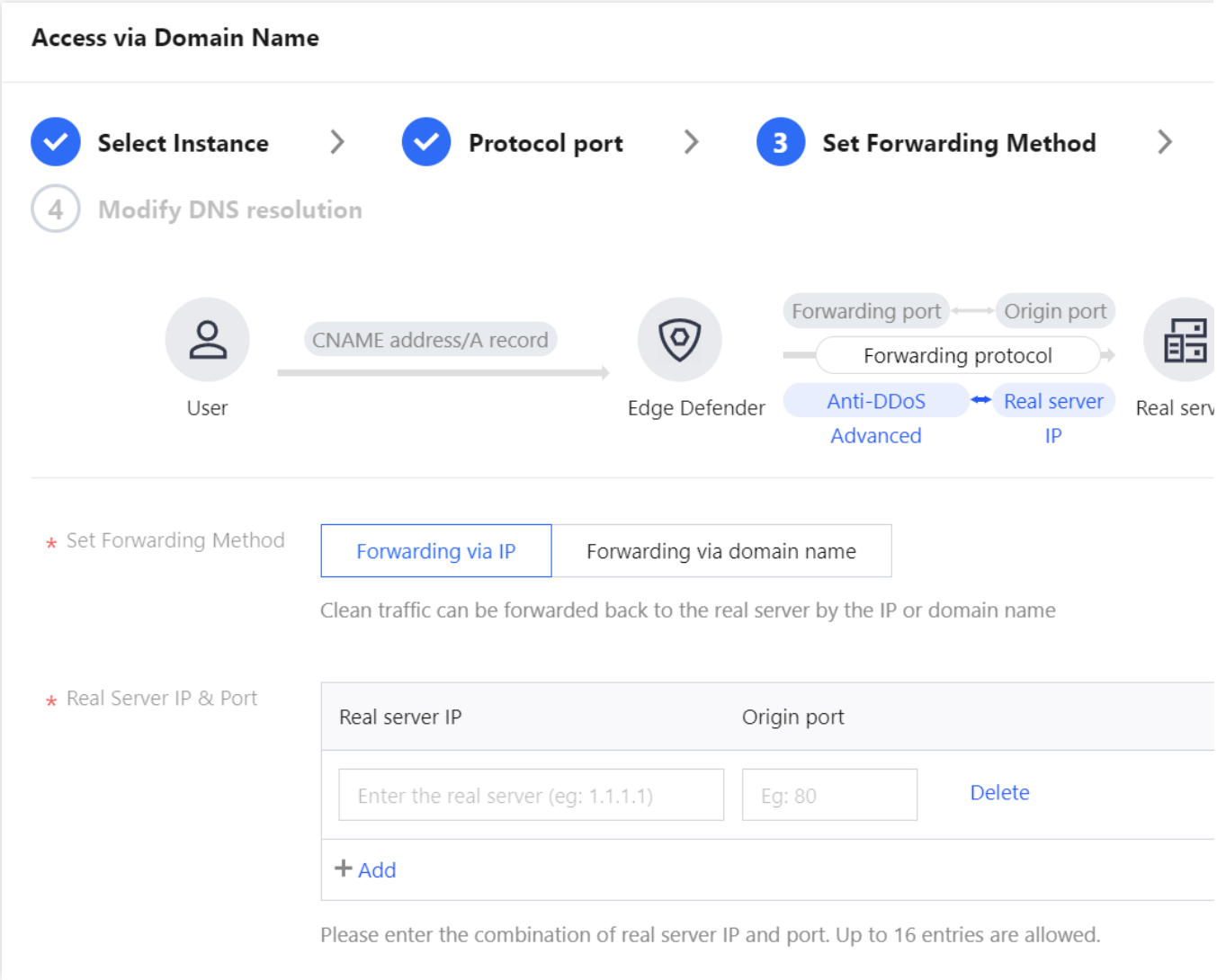
4. Select a forwarding protocol, specify a domain name, and then click **Next: Set Forwarding Method**.



5. Select a forwarding method, specify a real server IP & port or real server domain name, and add an alternate real server and set the weight if you have one. Then click **Next: Modify DNS Resolution**.

Note:

An alternate real server is used when the forwarding to the real server fails.



6. Click **Complete**. Connected rules will be displayed in the access list. You can check whether they are connected successfully in **Access status**.

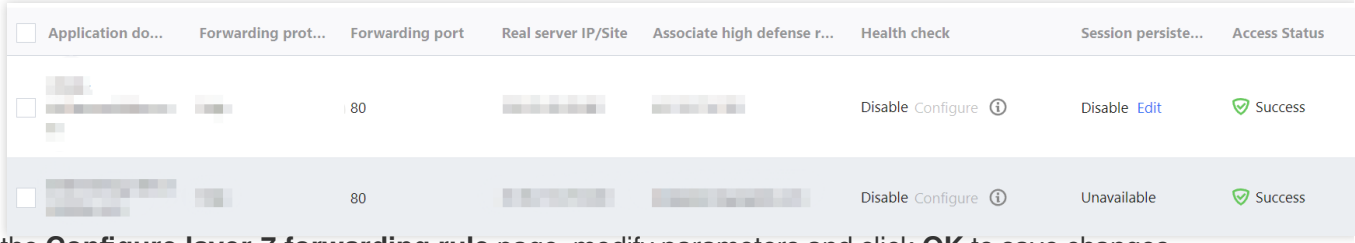
Note:

When the connection fails due to certification configuration errors, you will get a prompt "Failed to obtain the certificate. Please go to SSL Certificate Management to view details".

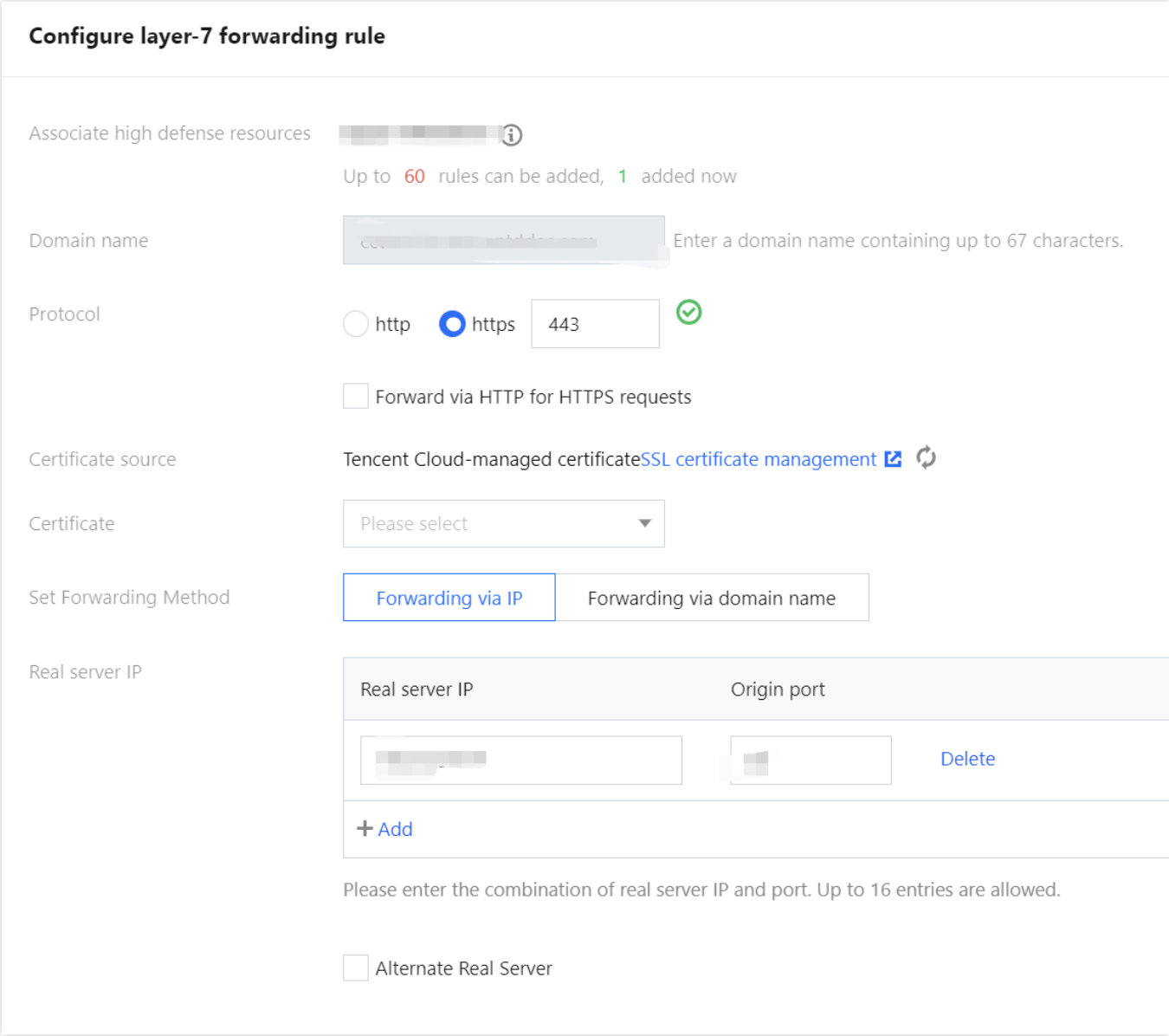
To avoid seconds of interruptions, update the certificate for connected domain names during off-peak periods.

Editing a rule

1. On the Access via domain name page, select the rule you want to edit and click **Configure** in the **Operation** column.



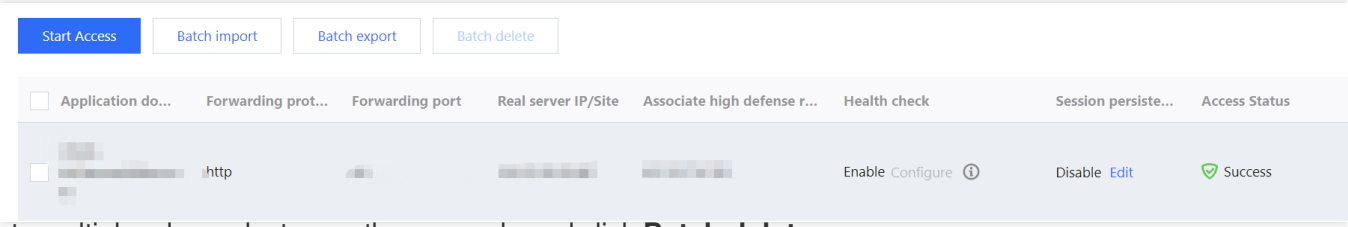
2. On the **Configure layer-7 forwarding rule** page, modify parameters and click **OK** to save changes.



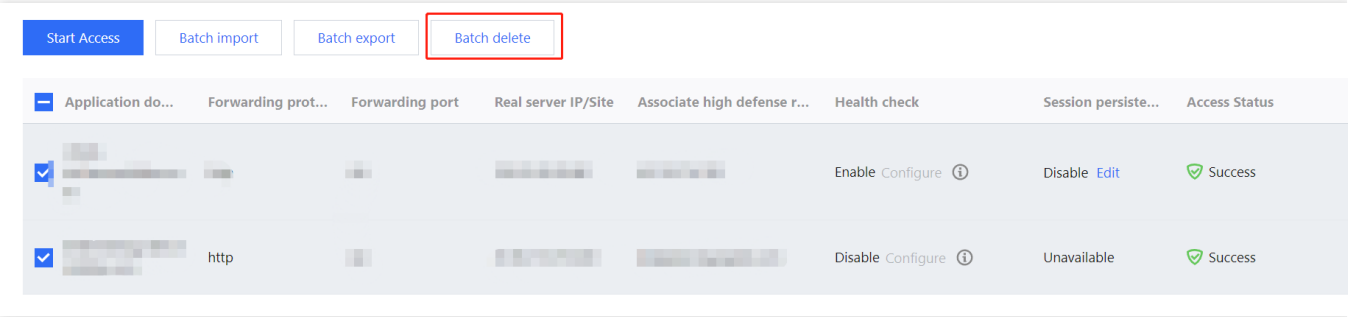
Deleting a rule

1. On the Access via domain name page, you can delete one or more rules.

To delete a rule, select the rule you want to delete and click **Delete** in the **Operation** column.



To delete multiple rules, select more than one rule and click **Batch delete**.



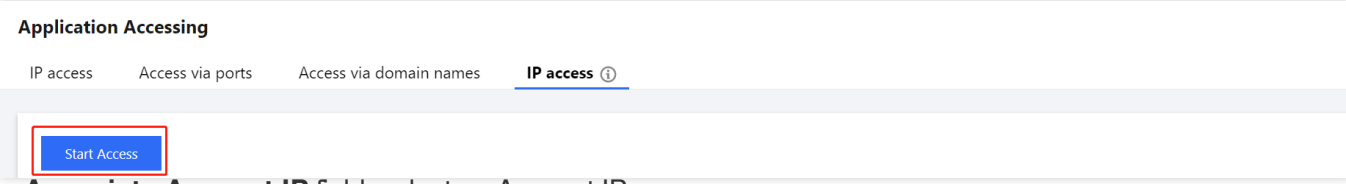
2. In the pop-up window, click **Delete**.

IP Connection

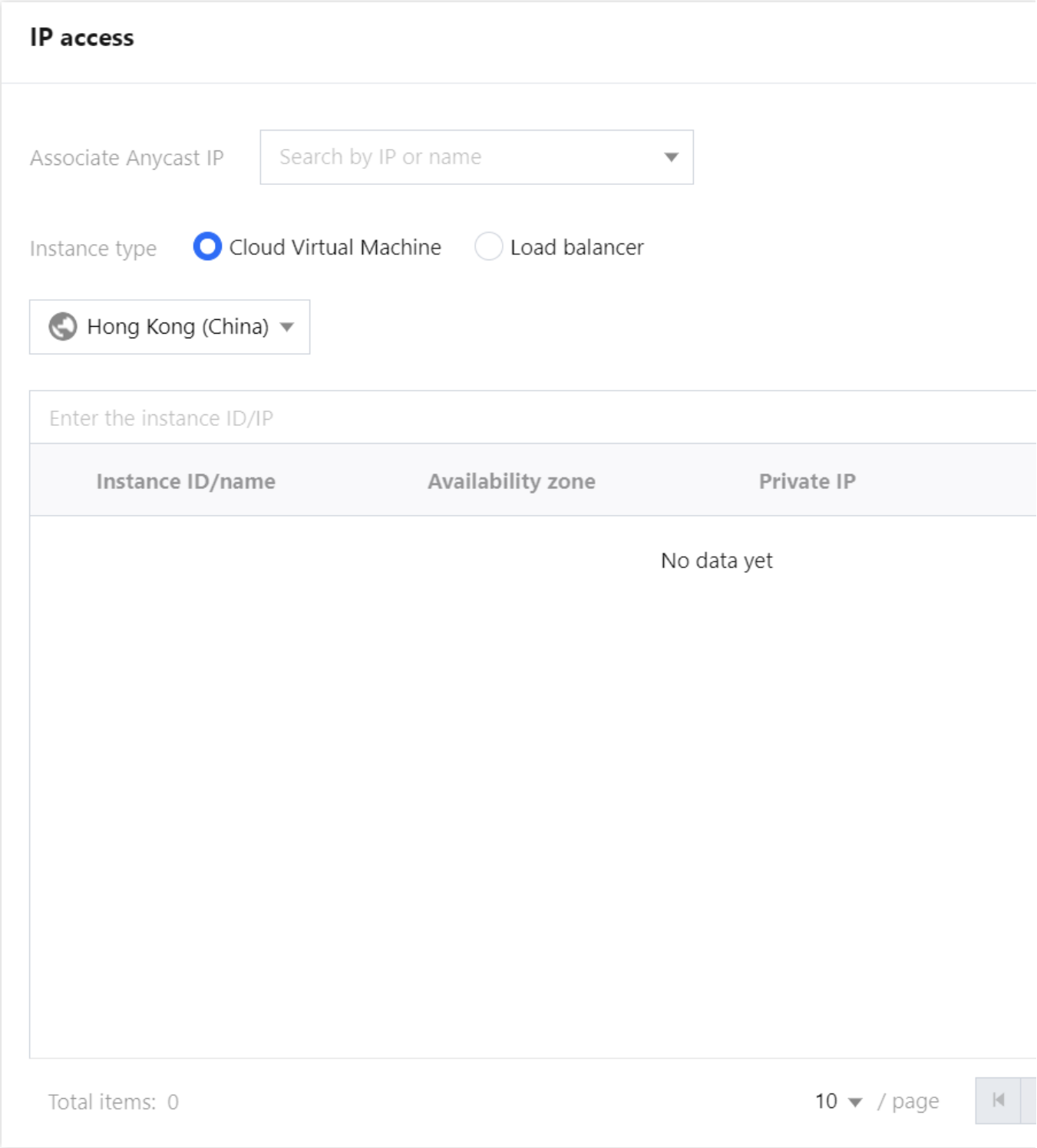
Last updated：2024-01-24 15:18:45

Connecting a rule

1. Log in to the new Anti-DDoS console, click **Business Access** on the left sidebar, and then click the **IP access** tab.
2. On the **IP access** page, click **Start Access**.

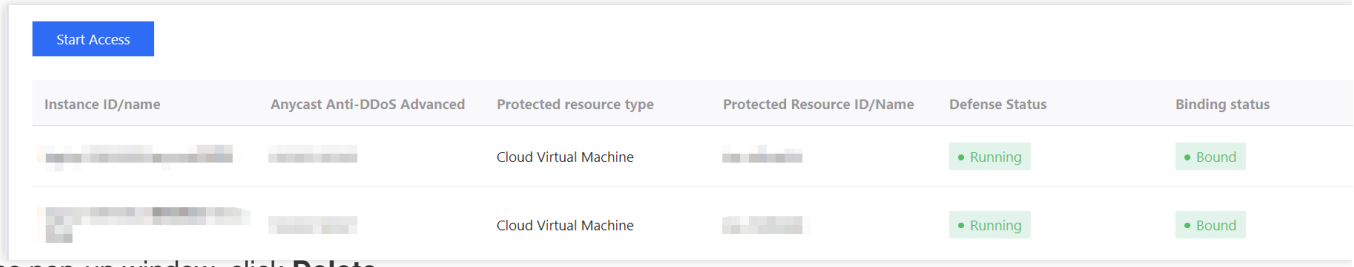


3. In the **Associate Anycast IP** field, select an Anycast IP.



Deleting a rule

1. On the IP access page, click **Delete** in the **Operation** column of the rule that you want to delete.



2. In the pop-up window, click **Delete**.

Port Connection

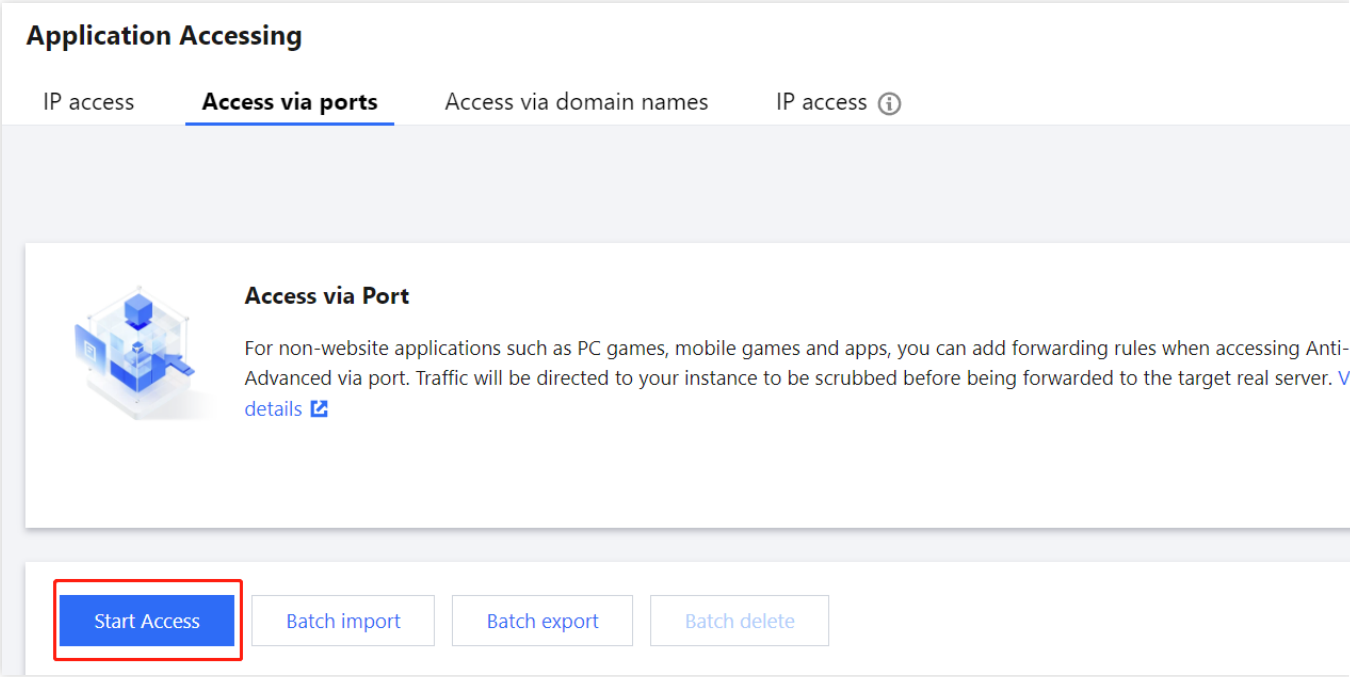
Last updated：2024-01-24 15:19:43

Note:

The DNS resolution address should be changed to the CNAME address provided, which will be updated from time to time. (Non-BGP resources are not supported).

Connecting a rule

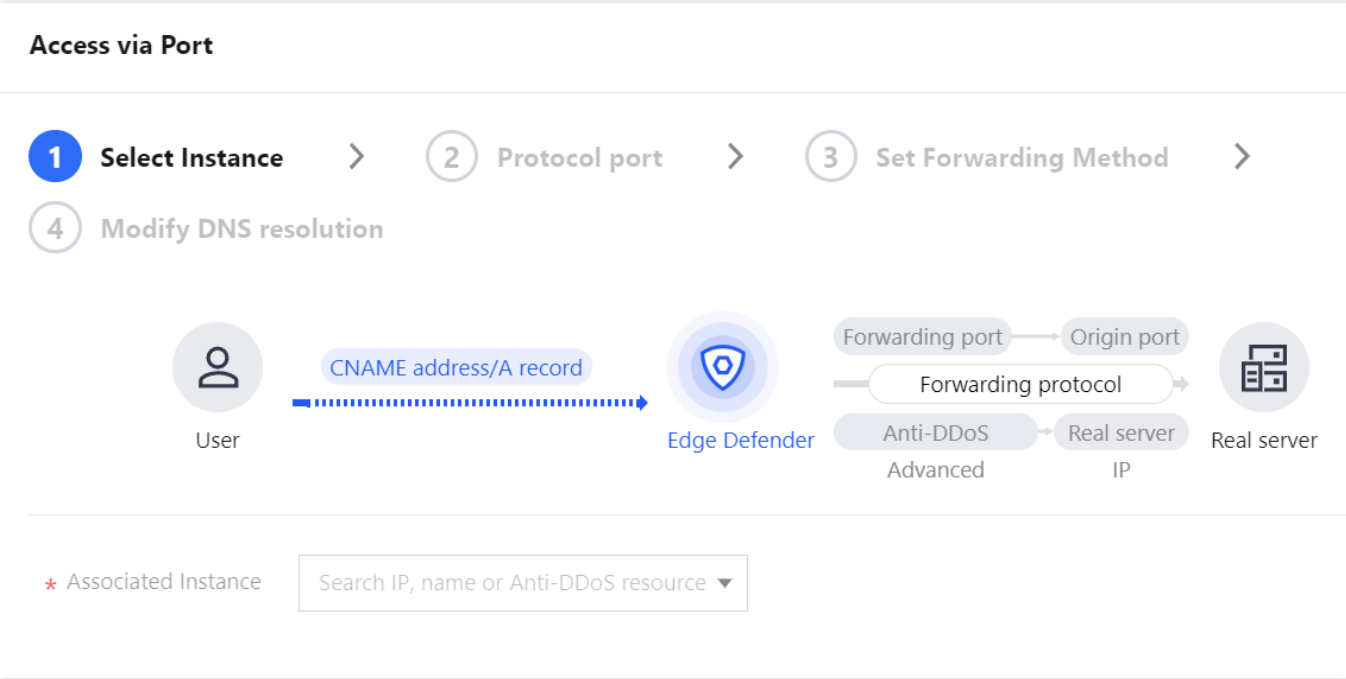
1. Log in to the new Anti-DDoS console, click **Business Access** on the left sidebar, and then click the **Access via port** tab.
2. On the **Access via port** page, click **Start Access**.



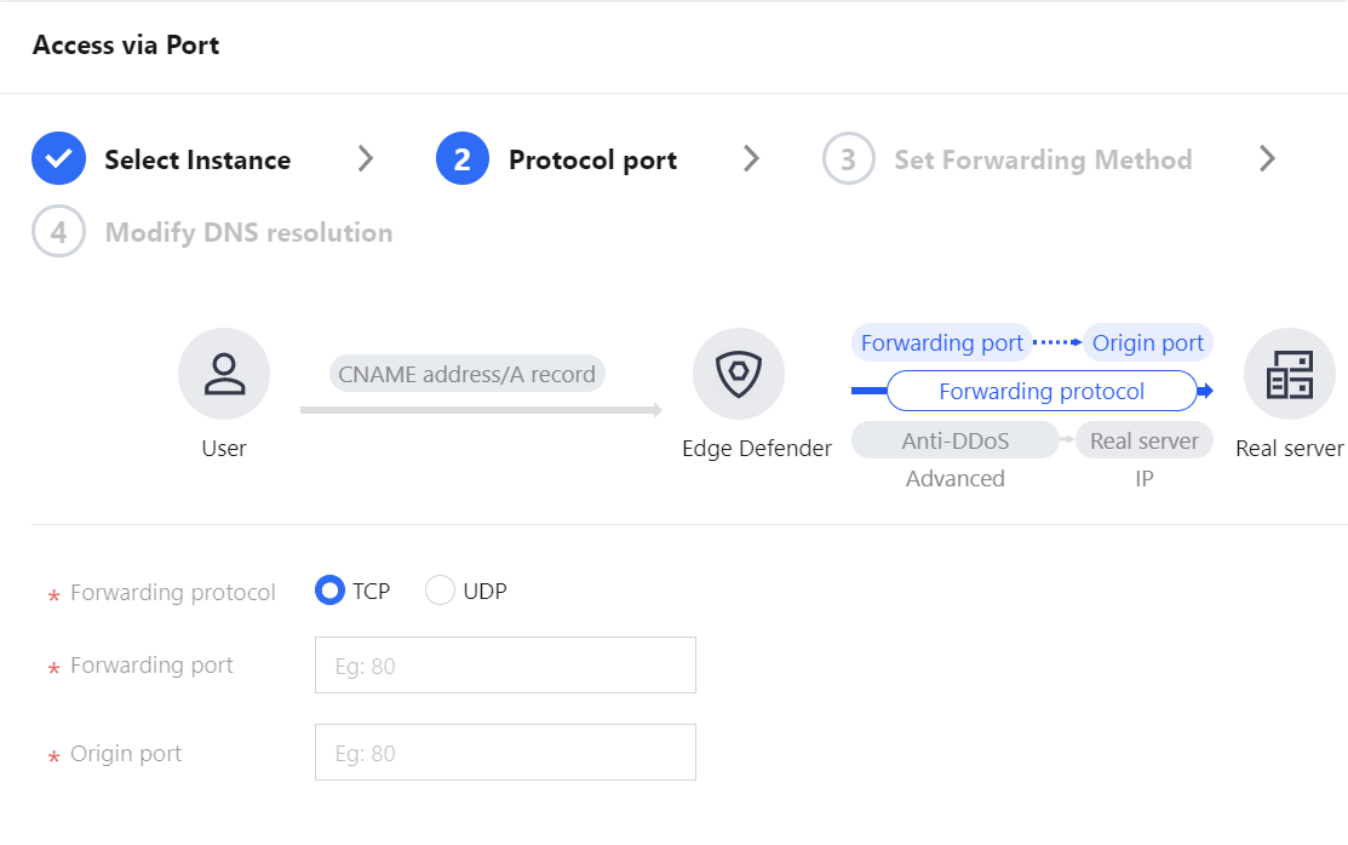
3. In the pop-up window, select an associated instance ID and click **Next: Set Protocol Port**.

Note:

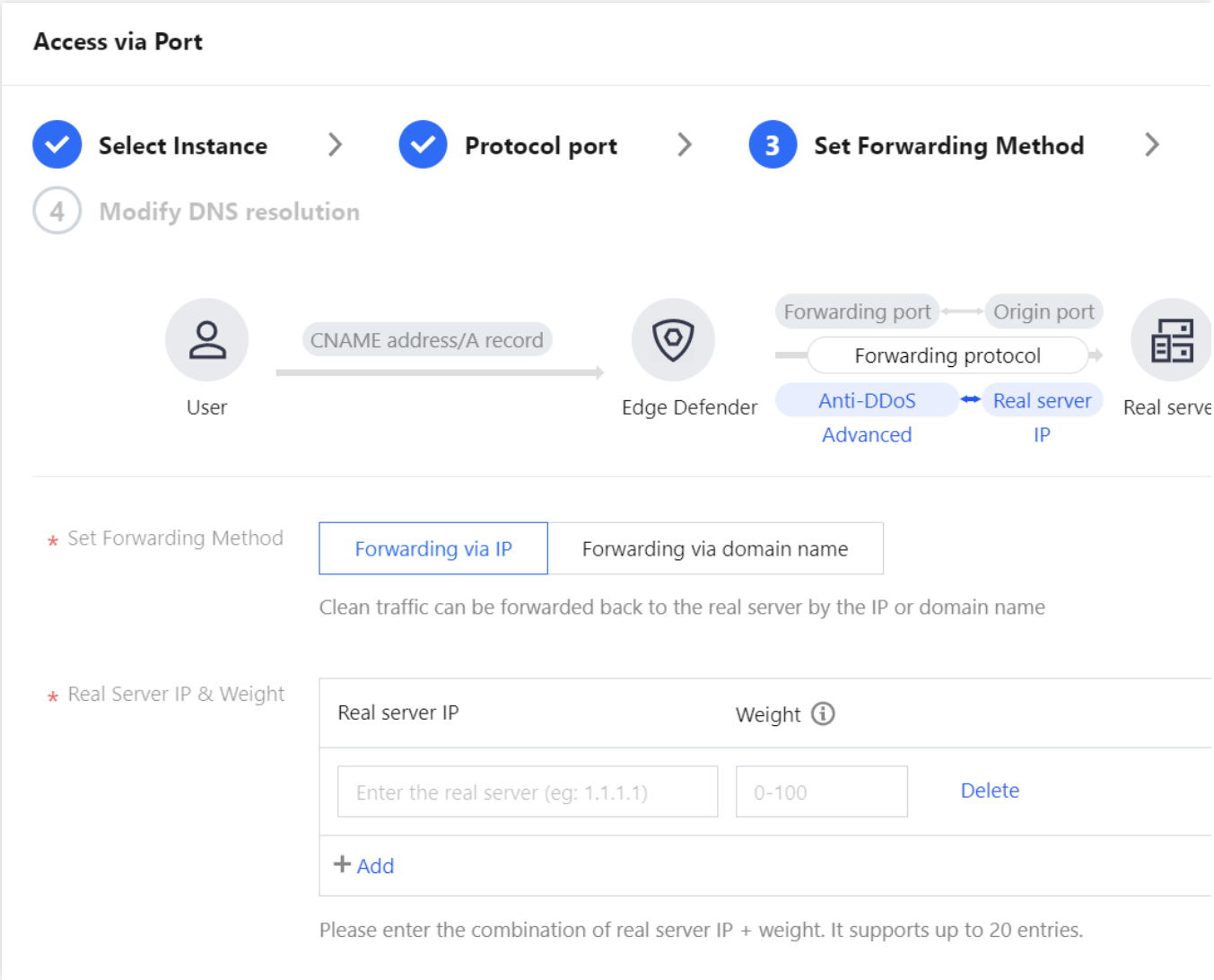
You can select multiple instances.



4. Select a forwarding protocol, specify a forwarding port and real server port, and then click **Next: Set Forwarding Method**.



5. Select a forwarding method, specify a real server IP & port or real server domain name, and add an alternate real server and set the weight if you have one. Then click **Next: Modify DNS Resolution**.



Note:

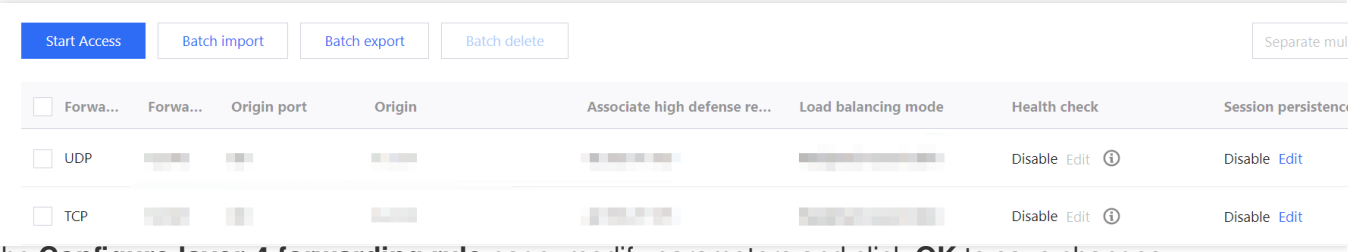
An alternate real server is used when the forwarding to the real server fails.

If the forwarding port you specify in the second step **Set Protocol Port** is occupied, you cannot proceed to the next step.

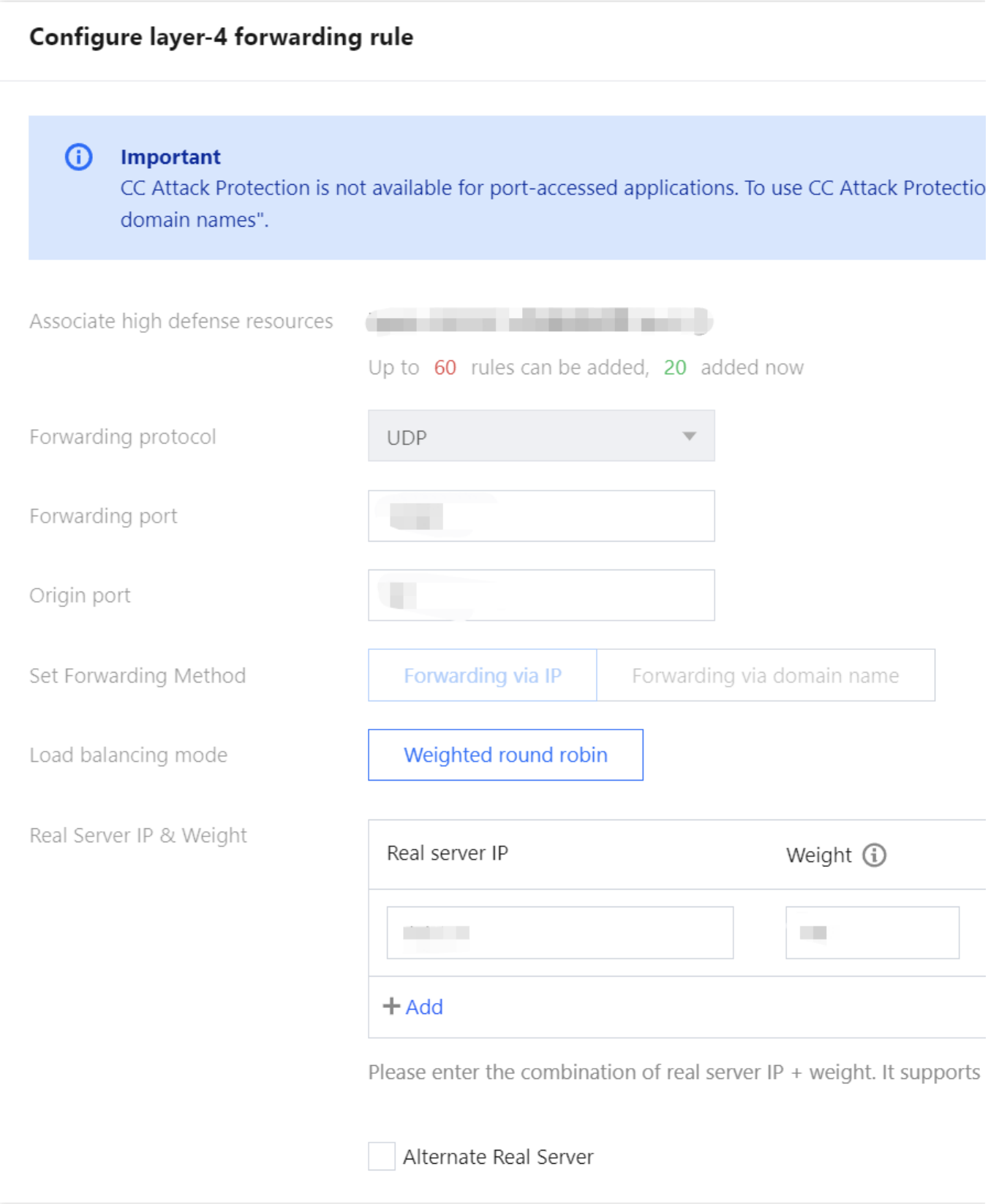
6. Click **Complete**.

Editing a rule

1. On the Access via port page, select the rule you want to edit and click **Configure** in the **Operation** column.

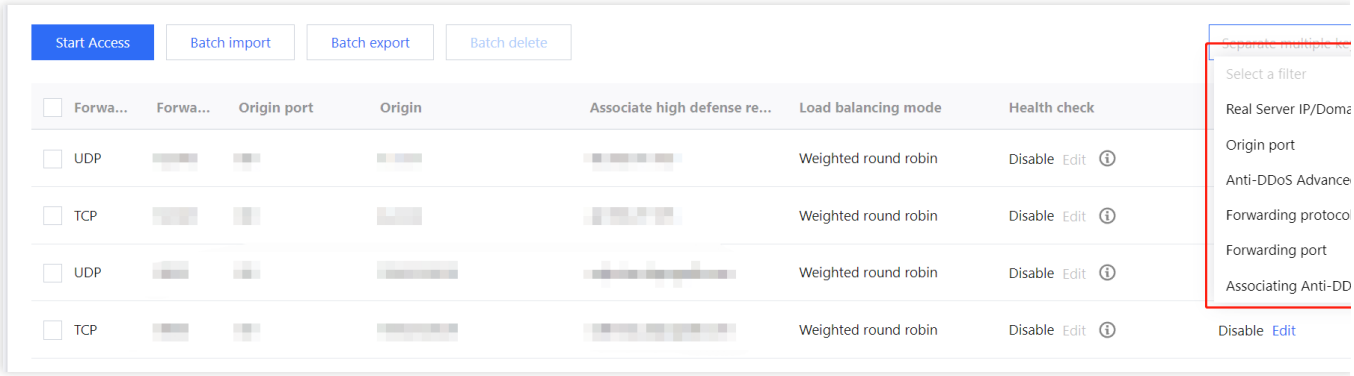


2. On the **Configure layer-4 forwarding rule** page, modify parameters and click **OK** to save changes.



Querying a rule

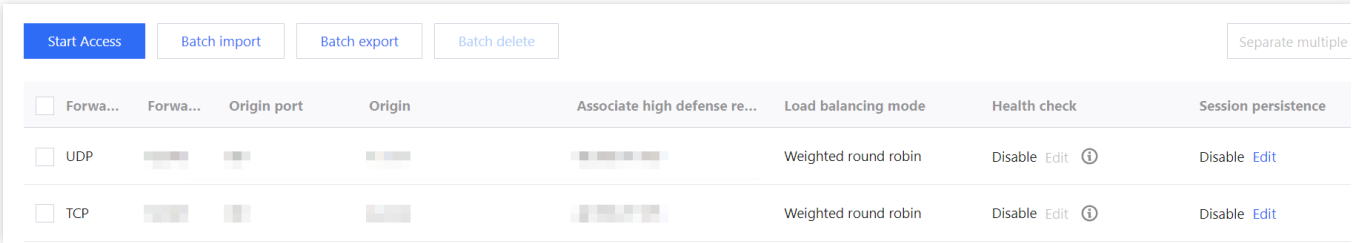
On the Access via port page, enter a real server IP/domain name, real server port, forwarding protocol, forwarding port, or an associated instance or associated CNAME resource in the search box.



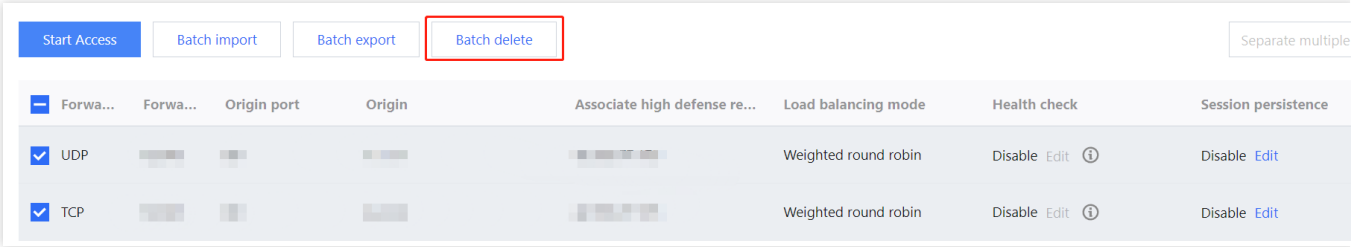
Deleting a rule

1. On the Access via port page, you can delete one or more rules.

To delete a rule, select the rule you want to delete and click **Delete** in the **Operation** column.



To delete multiple rules, select more than one rule and click **Batch delete**.



2. In the pop-up window, click **Delete**.

Protection Configuration
AI Protection

Last updated：2022-02-22 16:40:03

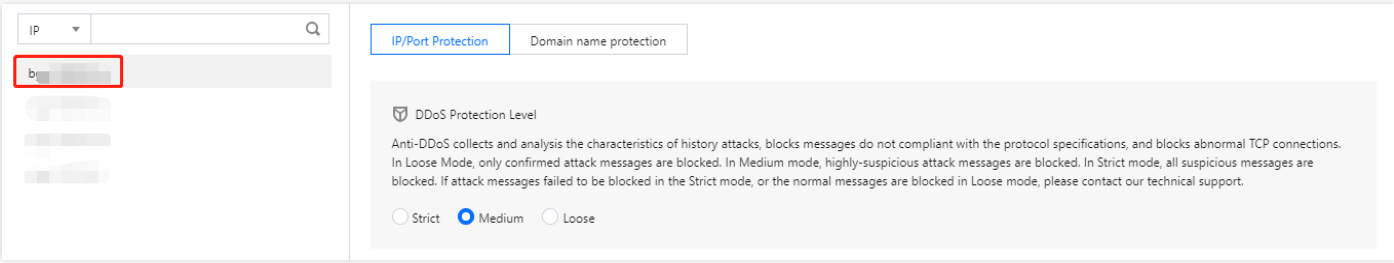
Anti-DDoS Pro supports AI protection. After AI protection is enabled, with its algorithms, Anti-DDoS Pro can self-learn the connection quantity baseline and traffic characteristics, adaptively adjust cleansing policies, discover and block layer-4 connection CC attacks to deliver an optimal protection effect.

Prerequisites

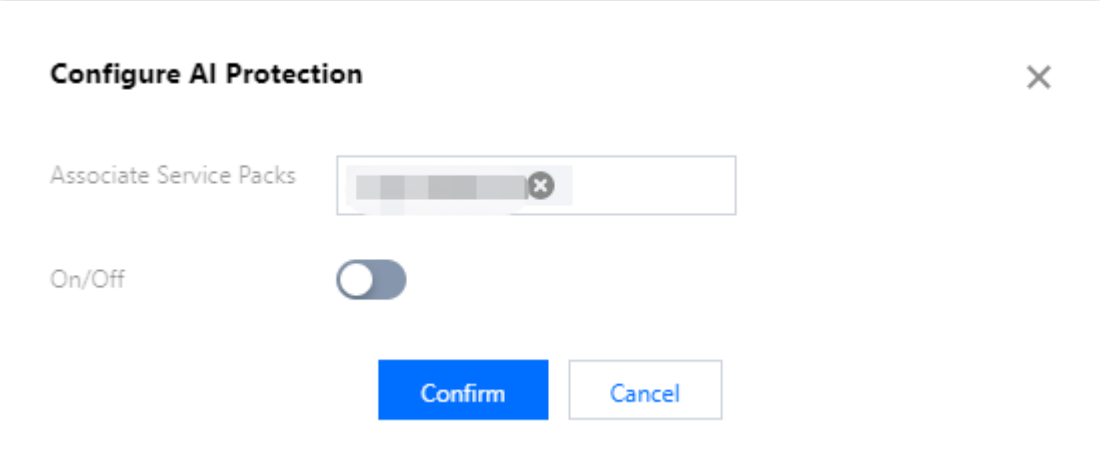
You have successfully purchased an Anti-DDoS Pro instance and set the protected target.

Operation Directions

1. Log in to the new Anti-DDoS console and select **Anti-DDoS Pro (New)** > **Configurations** on the left sidebar. Open the **DDoS Protection** tab.
2. Select an Anti-DDoS Pro instance ID in the list on the left, such as "bgp-00xxxxxx".



3. Click  in the **AI Protection** section to enable the setting.



Port Filtering

Last updated：2022-07-06 14:43:29

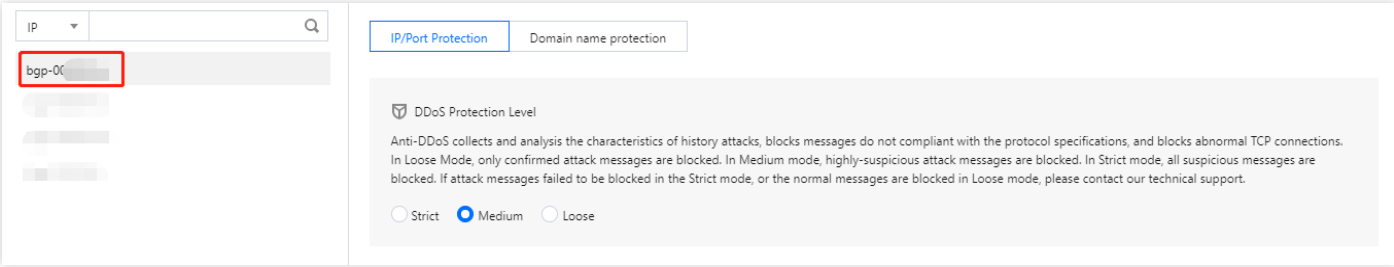
Port filtering is a fine-grained way to restrict inbound traffic based on port. When it is enabled, you can create a rule by setting the protocol type, source port range, destination port range and action (Discard/Allow/Continue protection).

Prerequisites

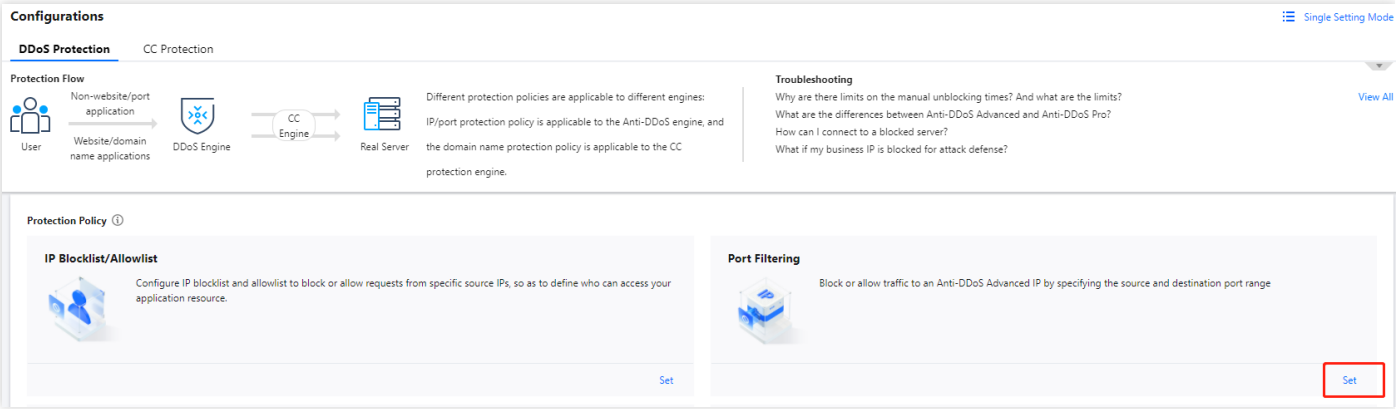
You have successfully purchased an Anti-DDoS Pro instance and set the protected target.

Directions

1. Log in to the new Anti-DDoS console and select **Anti-DDoS Pro (New)** > **Configurations** on the left sidebar. Open the **DDoS Protection** tab.
2. Select an Anti-DDoS Pro instance ID in the list on the left, such as "bgp-00xxxxxx".

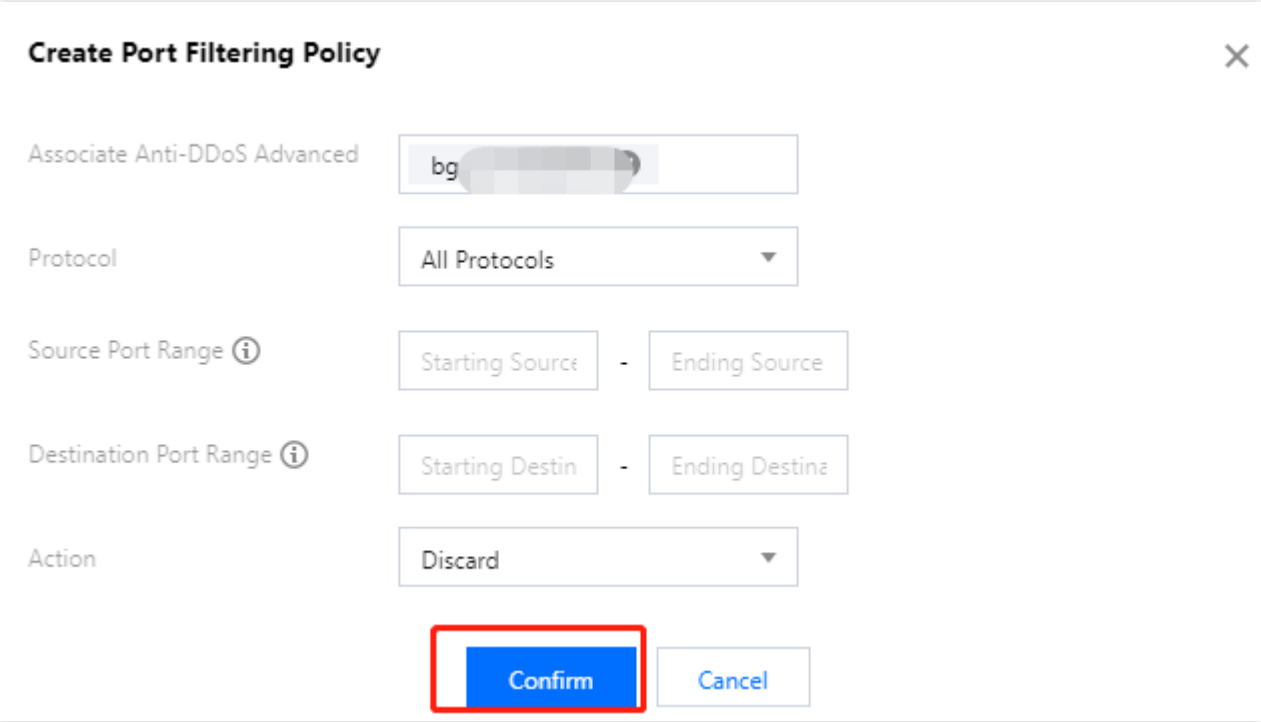


3. Click **Set** in the **Port Filtering** section to enter the port filtering page.

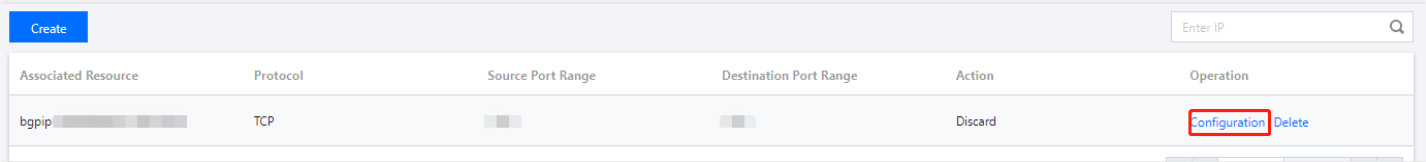


4. Click **Create**, enter the required fields based on the action you select, and then click **Save**.

Note：
Multiple instances can be created at a time. For instances without protected resources, you cannot create rules.



5. After the rule is created, it is added to the rule list. You can click **Configuration** on the right of the rule to modify it.



DDoS Protection Levels

Last updated：2022-07-06 14:28:30

This guide describes protection levels the Anti-DDoS Pro provides in different scenarios and how to set them in the console.

Use Cases

Anti-DDoS Pro provides three available protection levels for you to adjust protection policies against different DDoS attacks. The details are as follows:

- Loose
- Medium
- Strict

Protection Level	Protection Action	Description
Loose	• Filters SYN and ACK data packets with explicit attack attributes. • Filters TCP, UDP, and ICMP data packets that are not compliant with the protocol specifications. • Filters UDP data packets with explicit attack attributes.	• This cleansing policy is loose and only defends against explicit attack packets. • We recommend choosing this protection level when normal requests are blocked. Complex attack packets may pass through the security system.

Note：

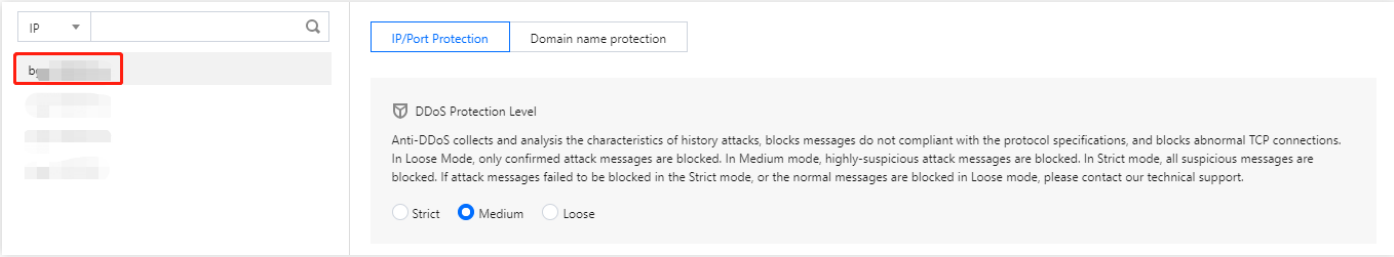
- If you need to use UDP in your business, please contact Tencent Cloud Technical Support to customize an ideal policy for not letting the level Strict affect normal business process.
- The level Medium is chosen by default in each Anti-DDoS Pro instance.
- The real server may suffer seconds of attacks in the following situations:
  - It happens when you are changing the protection level.
  - It happens when you are connecting to Anti-DDoS Pro.

Prerequisites

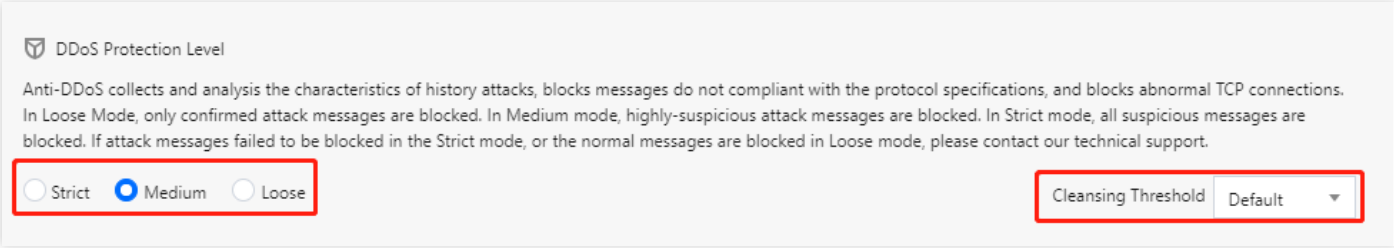
You have successfully purchased an Anti-DDoS Pro instance and set the protected target.

Directions

1. Log in to the new Anti-DDoS console and select **Anti-DDoS Pro (New)** > **Configurations** on the left sidebar. Open the **DDoS Protection** tab.
2. Select an Anti-DDoS Pro instance ID in the list on the left, such as "bgp-00xxxxxx".



3. Choose a protection level in the **DDoS Protection Level** section.



IP Blocklist/Allowlist

Last updated：2022-02-22 16:40:03

Anti-DDoS Pro supports IP blocklist and allowlist configurations to block or allow source IPs to access the Anti-DDoS service, restricting the users from accessing your business resources. For the allowed IPs, they are allowed to access without being filtered by any protection policy; while the access requests from the blocked IPs are directly denied.

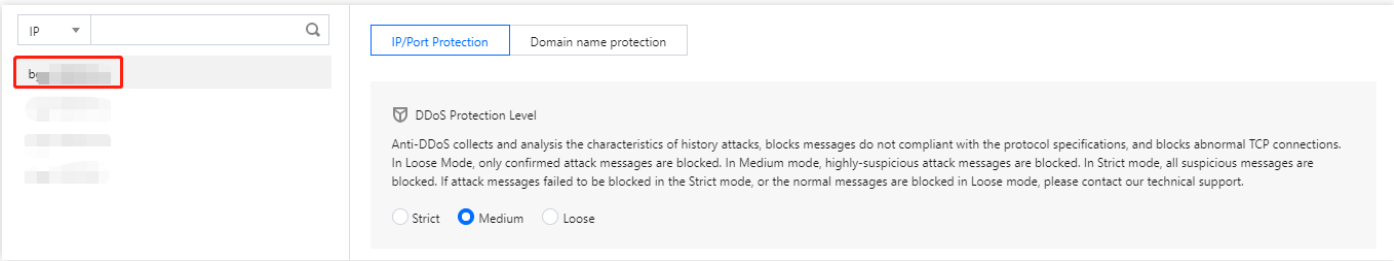
Prerequisites

You have successfully purchased an Anti-DDoS Pro instance and set the protected target.

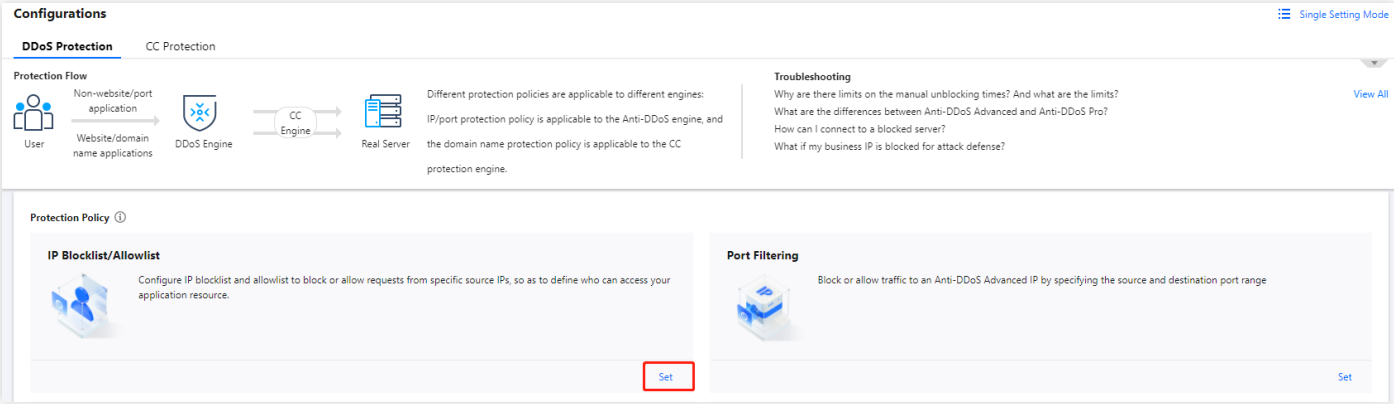
> Note：
>
> - The IP blocklist and allowlist filtering take effect only when your business is under DDoS attacks.
> - The allowed IPs will be allowed to access resources without being filtered by any protection policy.
> - The access requests from the blocked IPs will be directly denied.

Operation Directions

1. Log in to the new Anti-DDoS console and select **Anti-DDoS Pro (New)** > **Configurations** on the left sidebar. Open the **DDoS Protection** tab.
2. Select an Anti-DDoS Pro instance ID in the list on the left, such as "bgp-00xxxxxx".



3. Click **Set** in the **IP Blocklist/Allowlist** section.



4. In the pop-up window, tick **Blocklist** or **Allowlist** as the type, enter the target IP, and click **OK**.

5. After the rule is created, it is added to the list. You can click **Delete** on the right of the rule to delete it.

IP and Port Rate Limiting

Last updated：2022-02-22 16:40:03

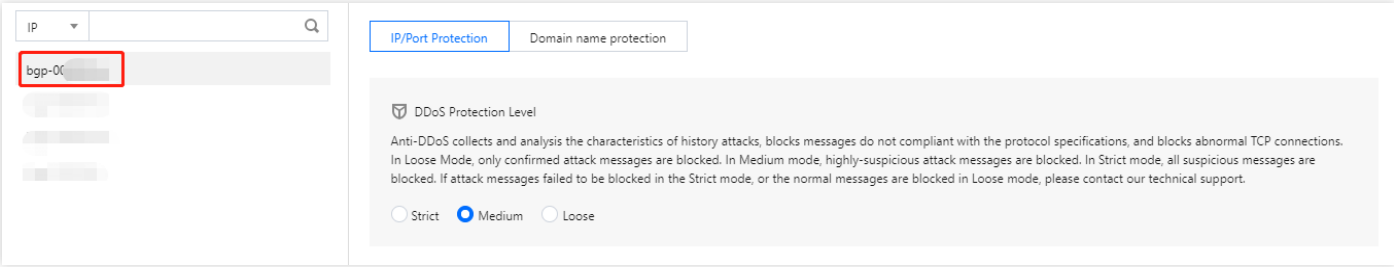
Anti-DDoS Pro allows you to limit traffic rate for business IPs and ports.

Prerequisites

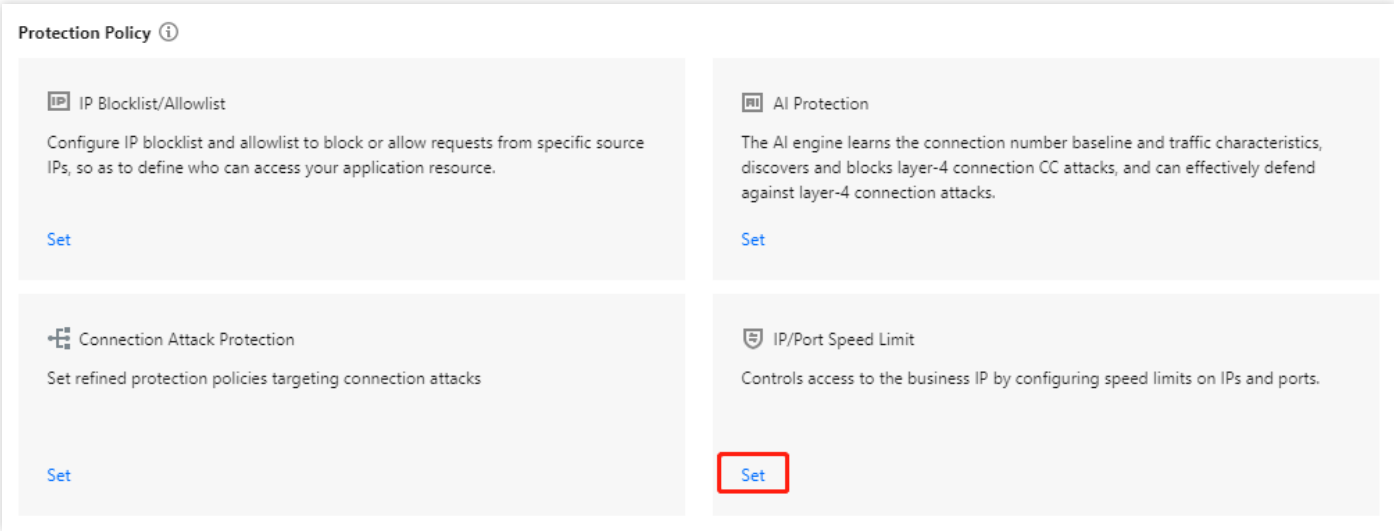
You have successfully purchased an Anti-DDoS Pro instance and set the protected target.

Directions

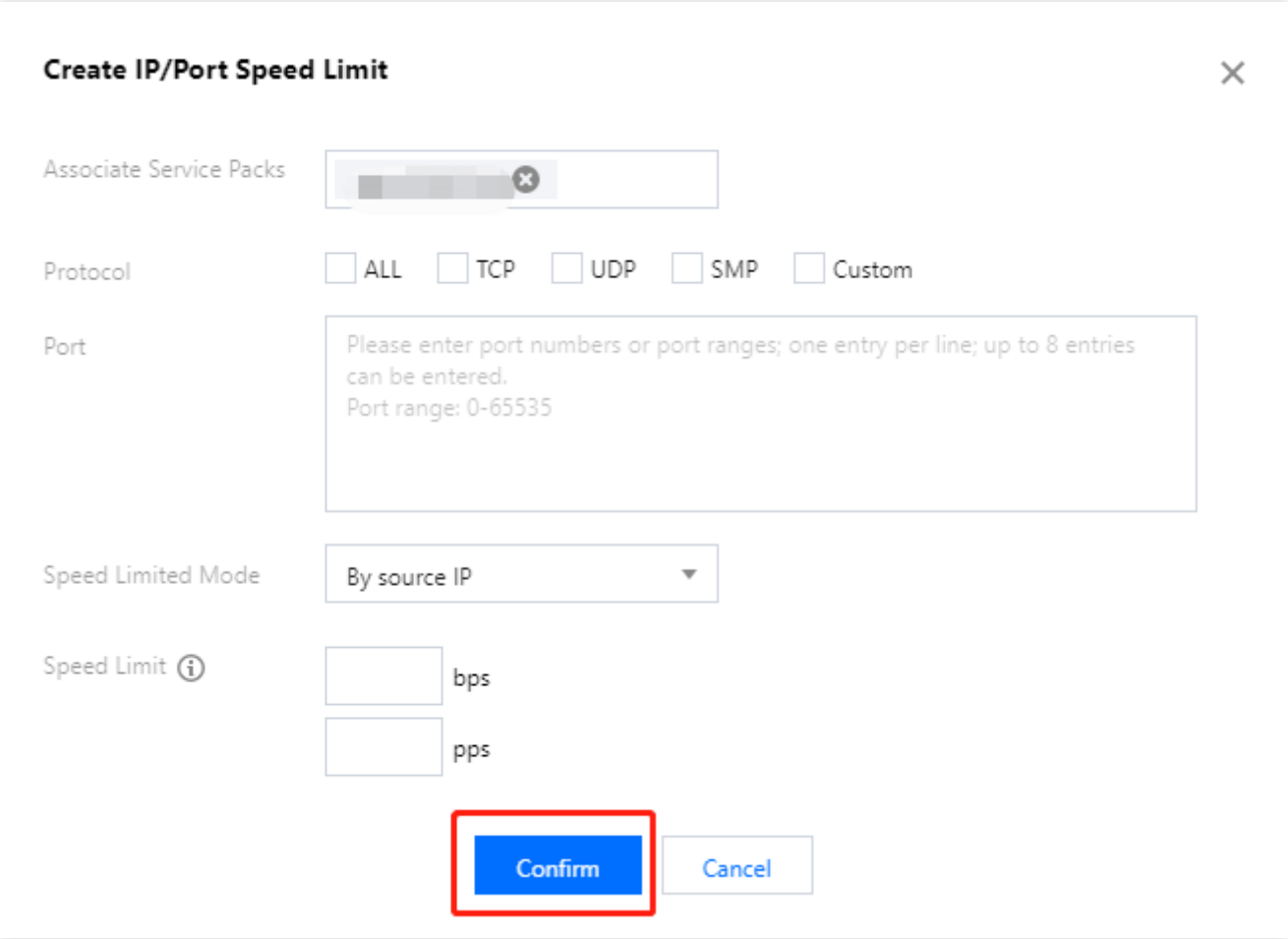
1. Log in to the new Anti-DDoS console and select **Anti-DDoS Pro (New)** > **Configurations** on the left sidebar. Open the **DDoS Protection** tab.
2. Select an Anti-DDoS Pro instance ID in the list on the left, such as "bgp-00xxxxxx".



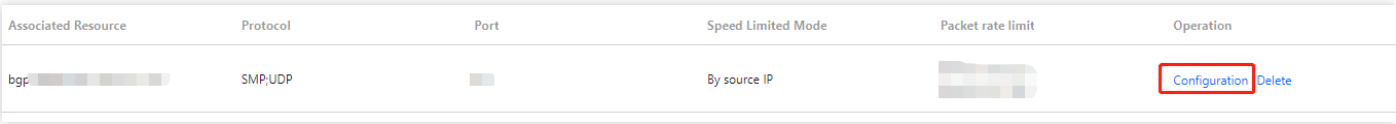
3. Click **Set** in the **IP/Port Speed Limit** section.



4. Click **Create** to create an IP/port speed limit rule.
5. In the pop-up window, select a protocol, port and speed limit mode, enter a speed limit threshold, and click **OK**.



6. After the rule is created, it is added to the list. You can click **Configuration** on the right of the rule to modify it.



Protocol Blocking

Last updated：2022-07-06 14:48:31

Anti-DDoS supports blocking inbound traffic based on its protocol type. You can enable "Block ICMP protocol/Block TCP protocol/Block UDP protocol/Block other protocols" to block their access requests directly. Note that UDP is a connectionless protocol that dose not provide a three-way handshake process like TCP and thus has security vulnerabilities. We recommend blocking UDP if it is not used for your business.

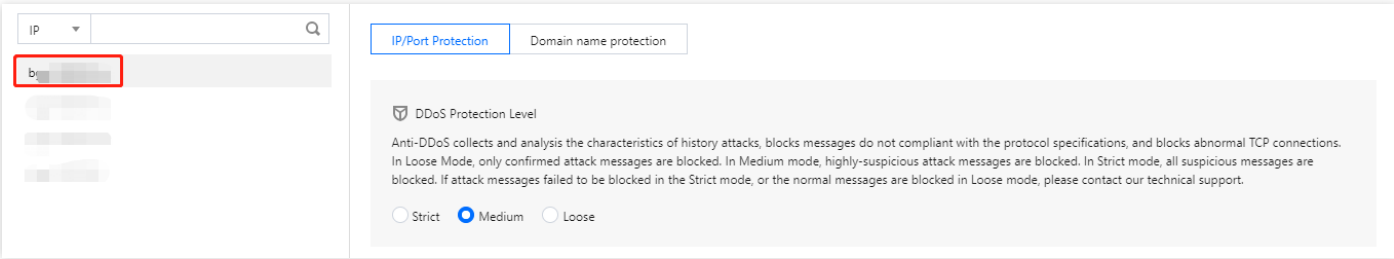
Prerequisites

You have successfully purchased an Anti-DDoS Pro instance and set the protected target.

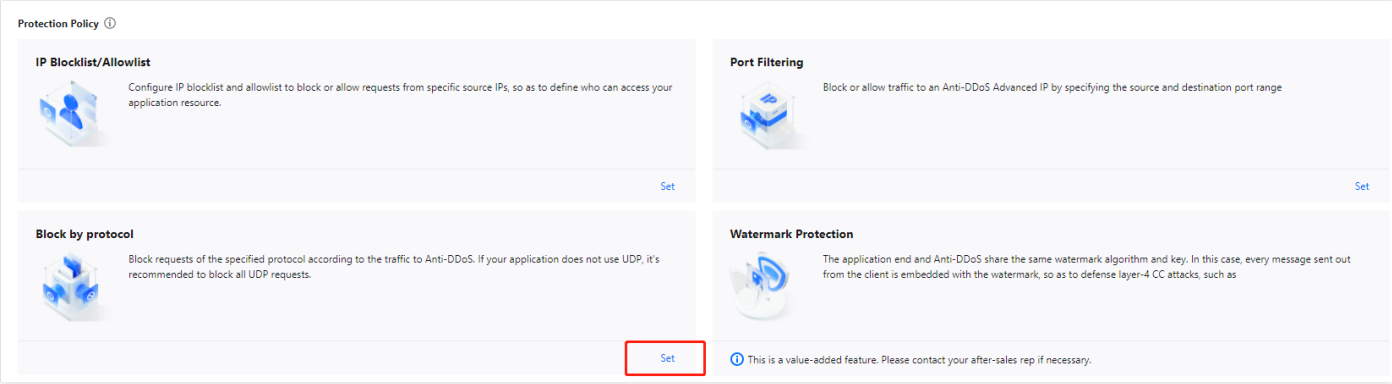
Directions

1. Log in to the new Anti-DDoS console and select **Anti-DDoS Pro (New)** > **Configurations** on the left sidebar. Open the **DDoS Protection** tab.

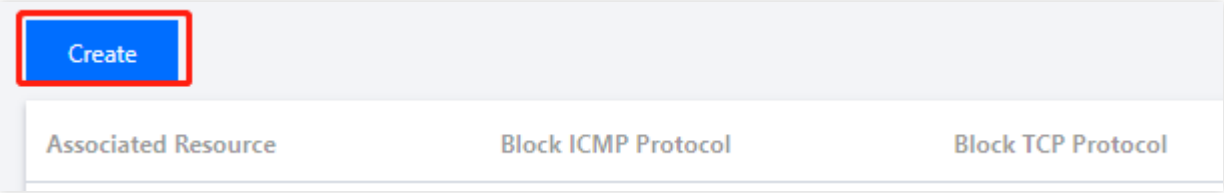
2. Select an Anti-DDoS Pro instance ID in the list on the left, such as "bgp-00xxxxxx".



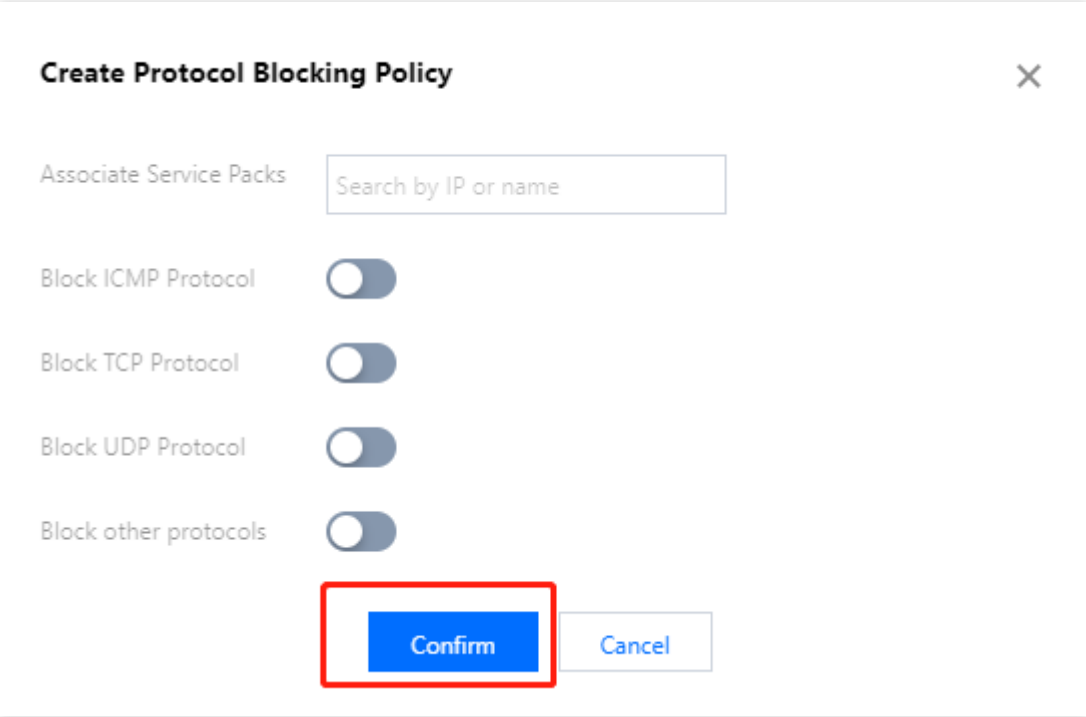
3. Click **Set** in the **Block by Location** section.



4. Click **Create** to create a protocol blocking rule.



5. In the pop-up window, click the button on the right of a protocol, and click **Confirm**.



6. After the rule is created, it is added to the list. You can click **Configuration** on the right of the rule to modify it.

Associated Resource	Block ICMP Protocol	Block TCP Protocol	Block UDP Protocol	Block other protocols	Operation
bg	Disable	Disable	Disable	Disable	Configuration

Feature Filtering

Last updated：2022-02-22 16:40:04

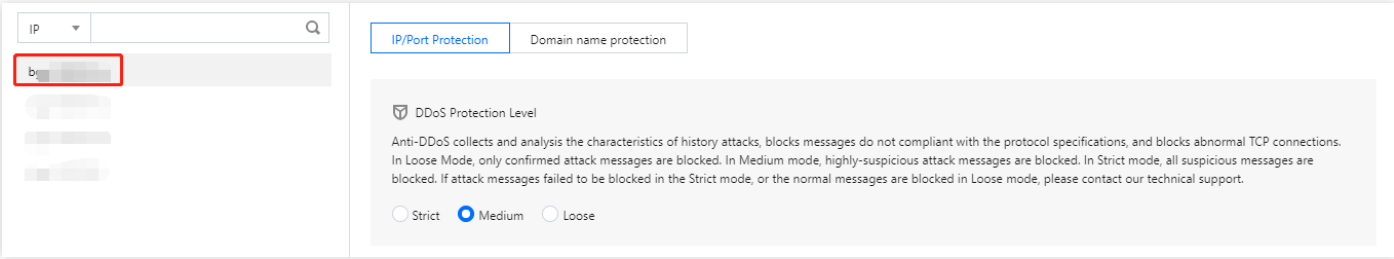
Anti-DDoS Pro supports configuring custom blocking policies against specific IP, TCP, UDP message header or load. After enabling feature filtering, you can combine the matching conditions of the source port, destination port, message length, IP message header or load, and set the protection action to allow/block/discard matched requests, block the IP for 15 minutes, discard the request and block the IP for 15 minutes, or continue protection, etc. With feature filtering, you can configure precise protection policies against business message features or attack message features.

Prerequisites

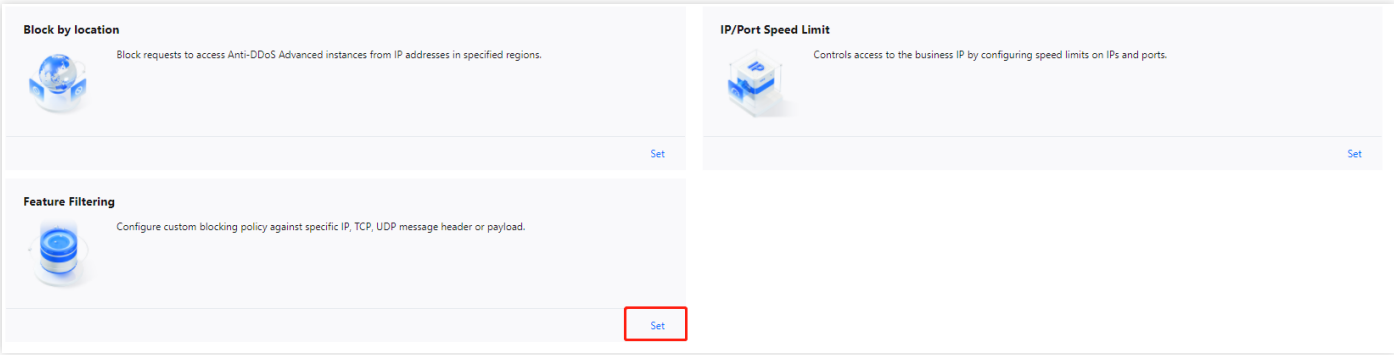
You have successfully purchased an Anti-DDoS Pro instance and set the protected target.

Directions

1. Log in to the new Anti-DDoS console and select **Anti-DDoS Pro (New)** > **Configurations** on the left sidebar. Open the **DDoS Protection** tab.
2. Select an Anti-DDoS Pro instance ID in the list on the left, such as "bgp-00xxxxxx".

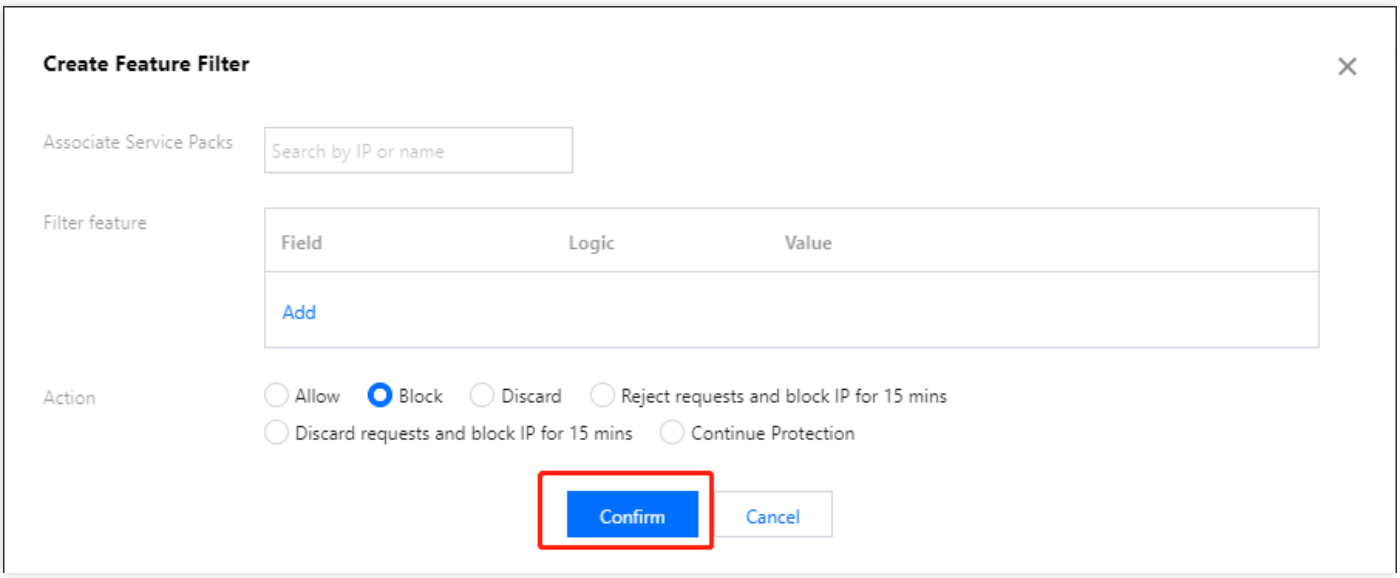


3. Click **Set** in the **Port Filtering** section to enter the port filtering page.

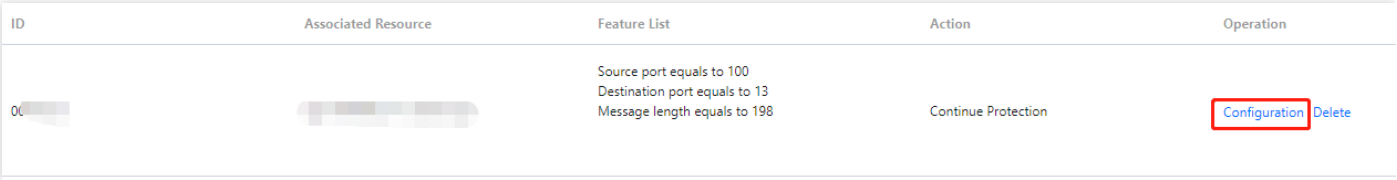


4. Click **Create** to create a feature filtering rule.

5. In the pop-up window, fill in the configuration fields, and click **OK**.



6. After the rule is created, it is added to the list. You can click **Configuration** on the right of the rule to modify it.



Connection Attack Protection

Last updated：2022-02-22 16:40:04

Anti-DDoS Pro can automatically trigger blocking policies facing abnormal connections. With **Maximum Source IP Exceptional Connections** enabled, a source IP that frequently sends a large number of messages about abnormal connection status will be detected and added to the blocklist. The source IP will be accessible after being blocked for 15 minutes.

Note：
The following fields are supported:

- **Source New Connection Rate Limit**: limits the rate of new connections from source ports.
- **Source Concurrent Connection Limit**: limits the number of active TCP connections from source addresses at any one time.
- **Destination New Connection Rate Limit**: limits the rate of new connections from destination IP addresses and destination ports.
- **Destination Concurrent Connection Limit**: limits the number of active TCP connections from destination IP addresses at any one time.
- **Maximum Source IP Exceptional Connections**: limits the maximum number of abnormal connections from source IP addresses.

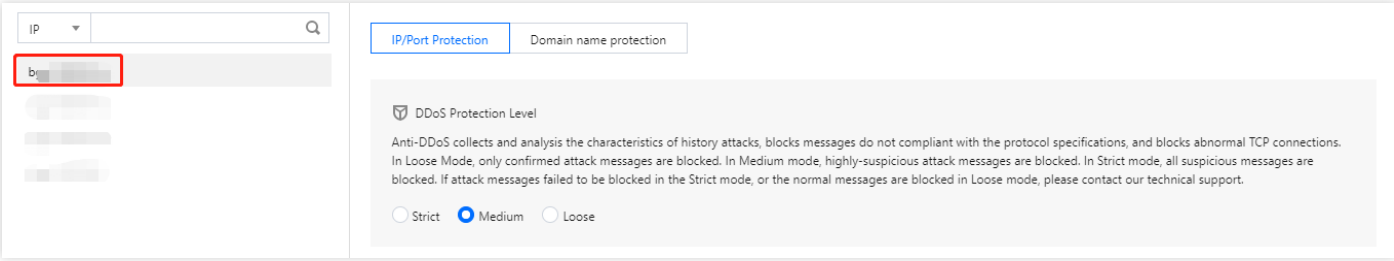
Prerequisites

You have successfully purchased an Anti-DDoS Pro instance and set the protected target.

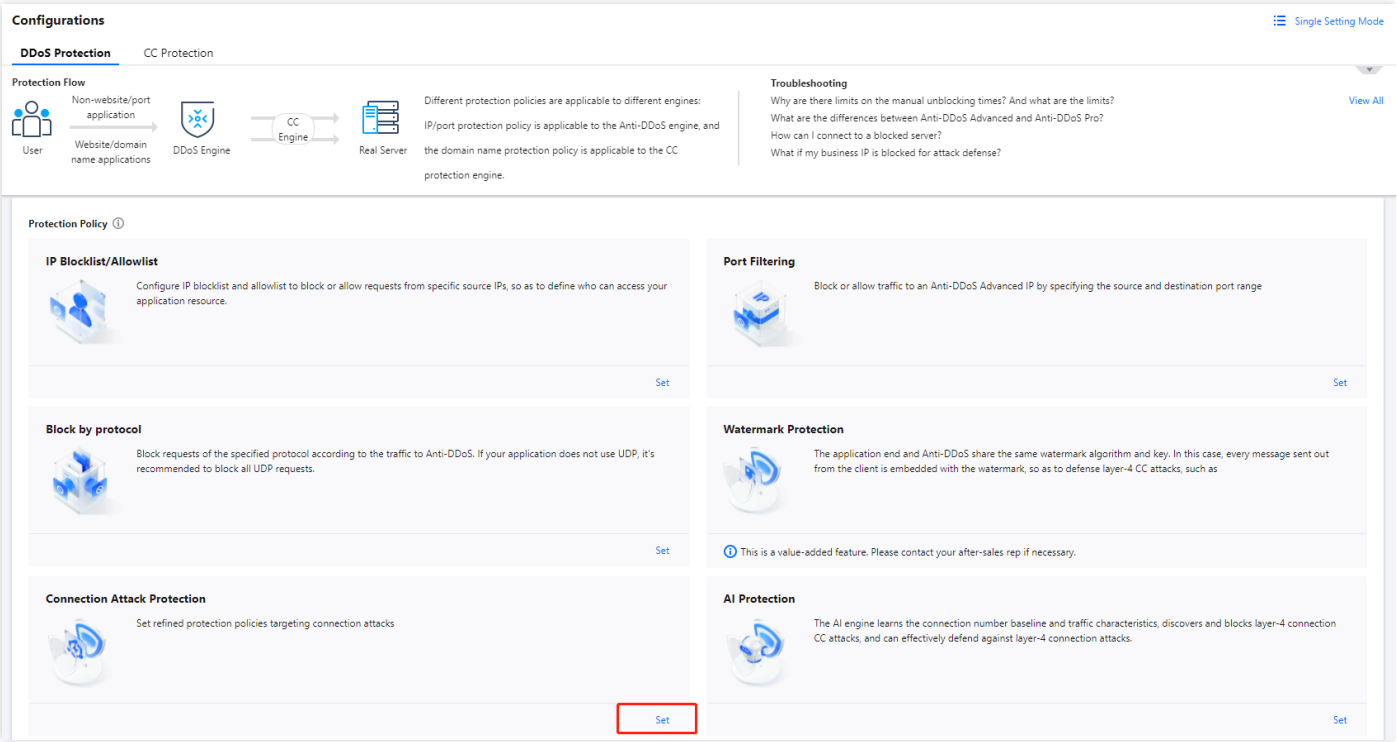
Directions

1. Log in to the new Anti-DDoS console and select **Anti-DDoS Pro (New)** > **Configurations** on the left sidebar. Open the **DDoS Protection** tab.

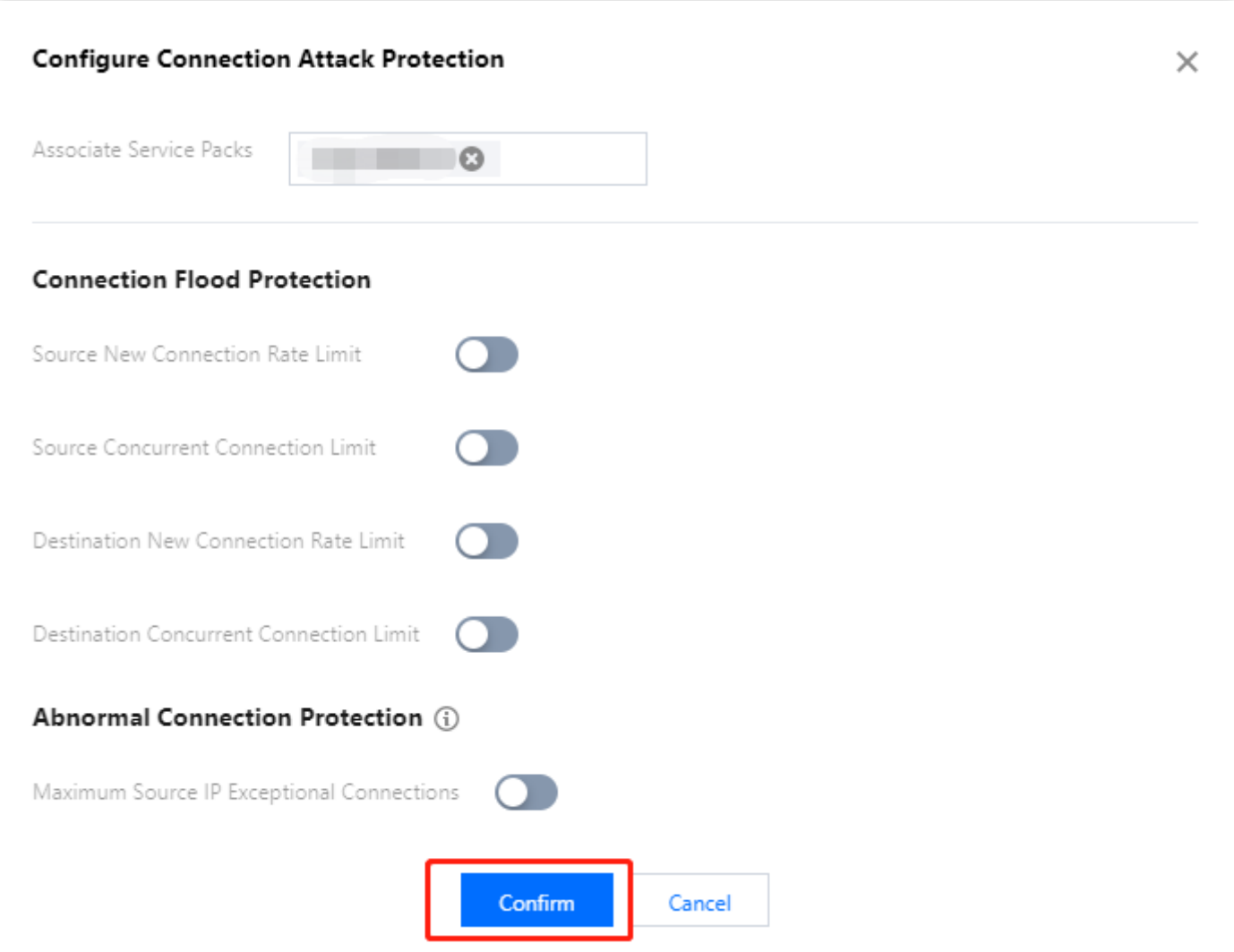
2. Select an Anti-DDoS Pro instance ID in the list on the left, such as "bgp-00xxxxxx".



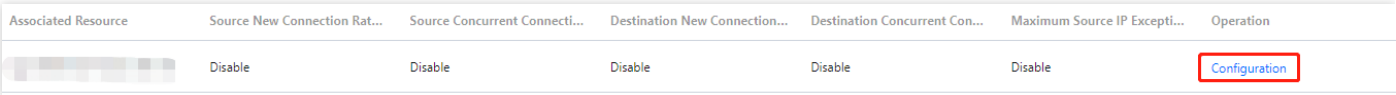
3. Click **Set** in the **Connection Attack Protection** to enter the configuration page.



4. Click **Create** to create a connection attack protection rule.
5. In the pop-up window, enable **Connection Flood Protection** and **Abnormal Connection Protection**, and click **OK**.



6. After the rule is created, it is added to the list. You can click **Configuration** on the right of the rule to modify it.



Regional Blocking

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Anti-DDoS Pro allows you to block traffic from source IP addresses in specific geographic locations at the cleansing node, with just one click. You can block traffic from whatever regions or countries you need.

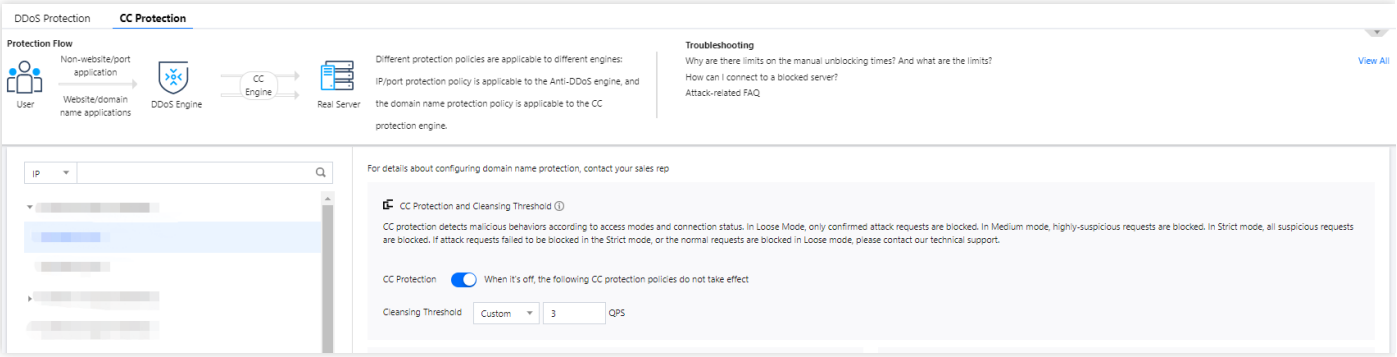
> Note：
> After you configure the regional blocking setting, attack traffic targeting the region will still be recorded but will not be allowed to your real server.

Prerequisites

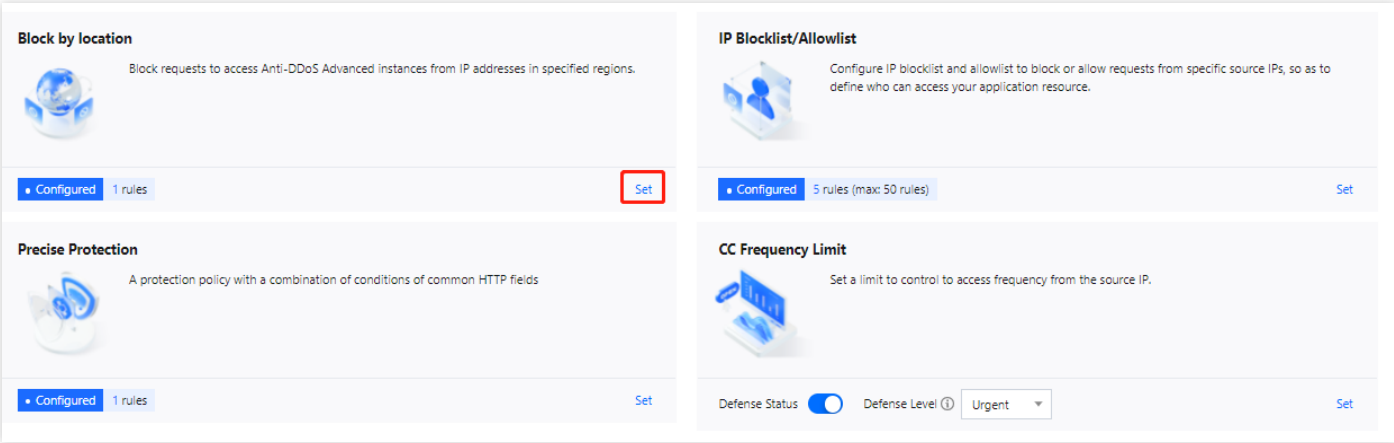
You have successfully purchased an Anti-DDoS Pro instance and set the protected target.

Directions

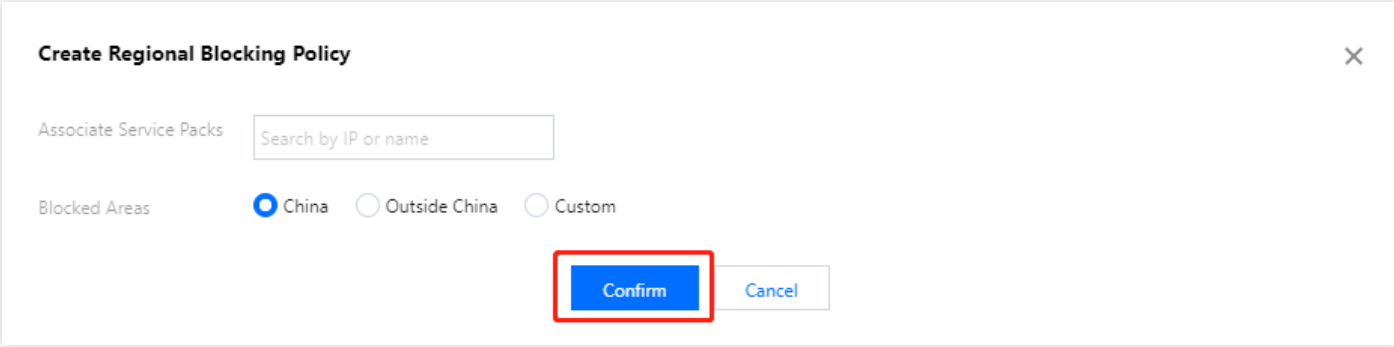
1. Log in to the new Anti-DDoS console and select **Anti-DDoS Pro (New)** > **Configurations** on the left sidebar. Open the **DDoS Protection** tab.
2. Select an Anti-DDoS Pro instance ID in the list on the left, such as "bgp-00xxxxxx".



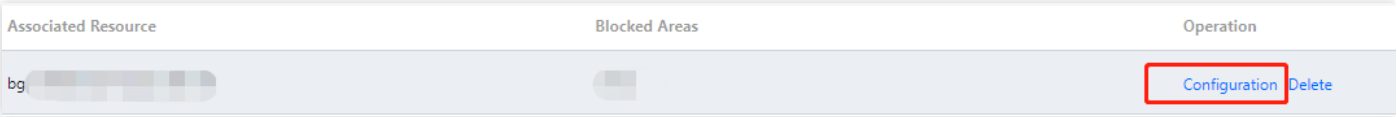
3. Click **Set** in the **Block by Location** section to get to configuration.



4. Click **Create** to create a regional blocking rule.
5. In the pop-up window, select a region to block and click **OK**.



6. After the rule is created, it is added to the list. You can click **Configuration** on the right of the rule to modify it.



Viewing Operation Log

Last updated：2023-04-20 16:37:37

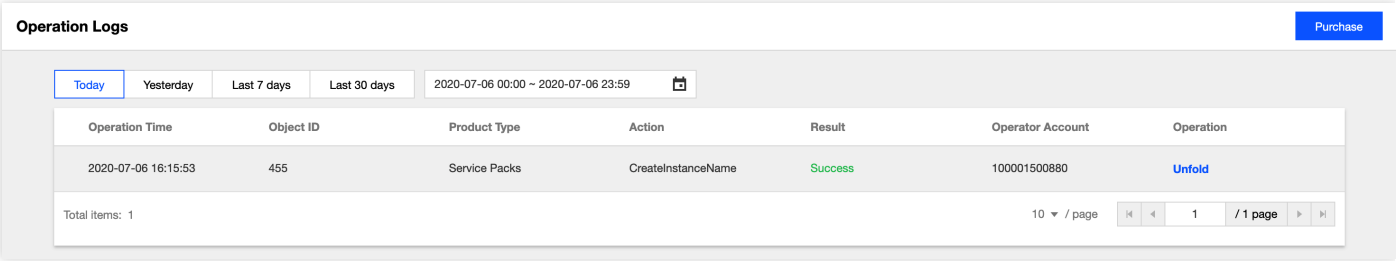
Use Cases

Anti-DDoS Pro allows you to view logs of important operations in the last 90 days on the operation log page in the Anti-DDoS Pro Console. The following types of logs are available:

- Logs of protected object's IP replacement
- Logs of DDoS protection policy change
- Logs of cleansing threshold adjustment
- Logs of protection level change
- Logs of resource name change

Directions

1. Open the Operation Log page in the new Anti-DDoS Pro Console.
2. Set the time range to query relevant operation records.



Blocking Operations
Configuring Security Event Notification

Last updated：2022-05-09 17:03:00

Use Cases

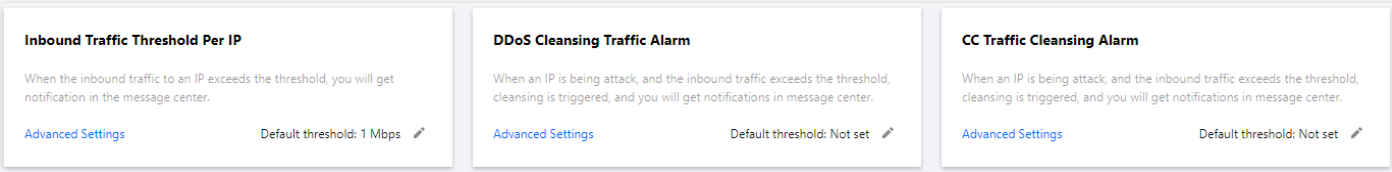
Tencent Cloud will send you alarm messages for your IPs protected by Anti-DDoS Pro via the channels (including Message Center, SMS, and email) you configured in **Message Center** -> **Message Subscription** when:

- An attack starts.
- An attack ended 15 minutes ago.
- An IP is blocked.
- An IP is unblocked.

You can modify the recipients and how they receive the alarm messages as needed.

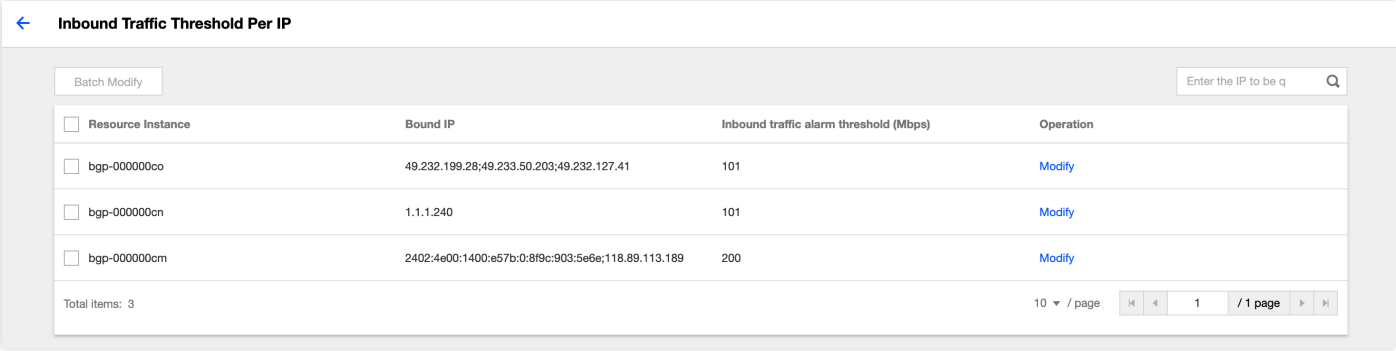
How to Set Alarm Threshold

1. Log in to the Anti-DDoS Pro Console and select **Alarm Thresholds** on the left sidebar.
2. You can now set the **Inbound Traffic Threshold Per IP**, **DDoS Cleansing Threshold** and **CC Traffic Cleansing Alarm**.

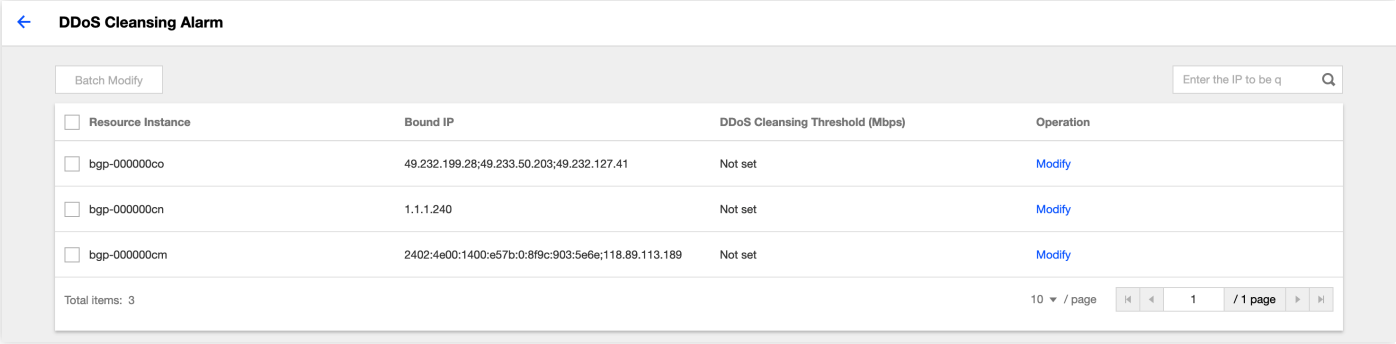


3. Click **Advanced Settings** of each section to enter its alarm setting list and set different thresholds for each instance.

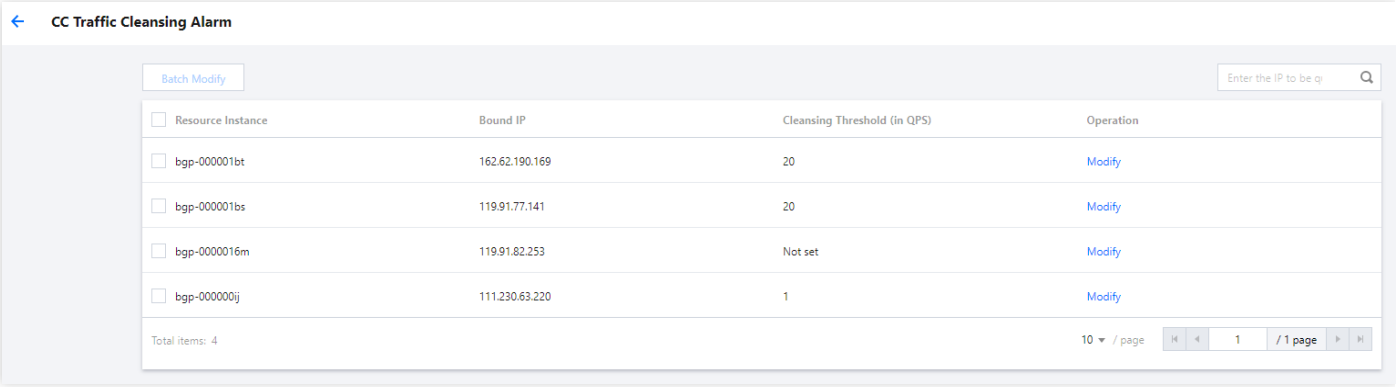
- Setting the inbound traffic threshold for an IP



- Setting the DDoS cleansing threshold



- Setting the CC traffic cleansing alarm



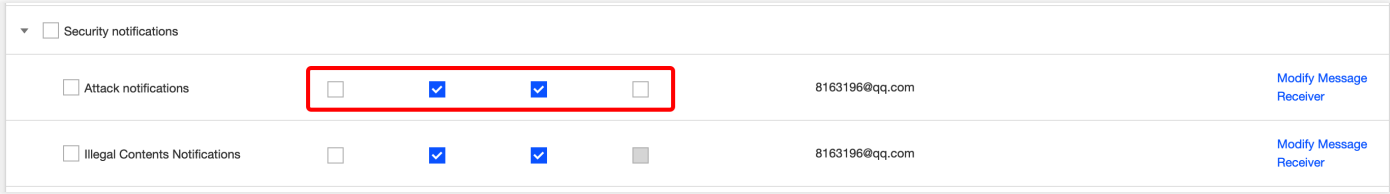
How to Set Message Channel

1. Log in to your Tencent Cloud account and go to Message Center.

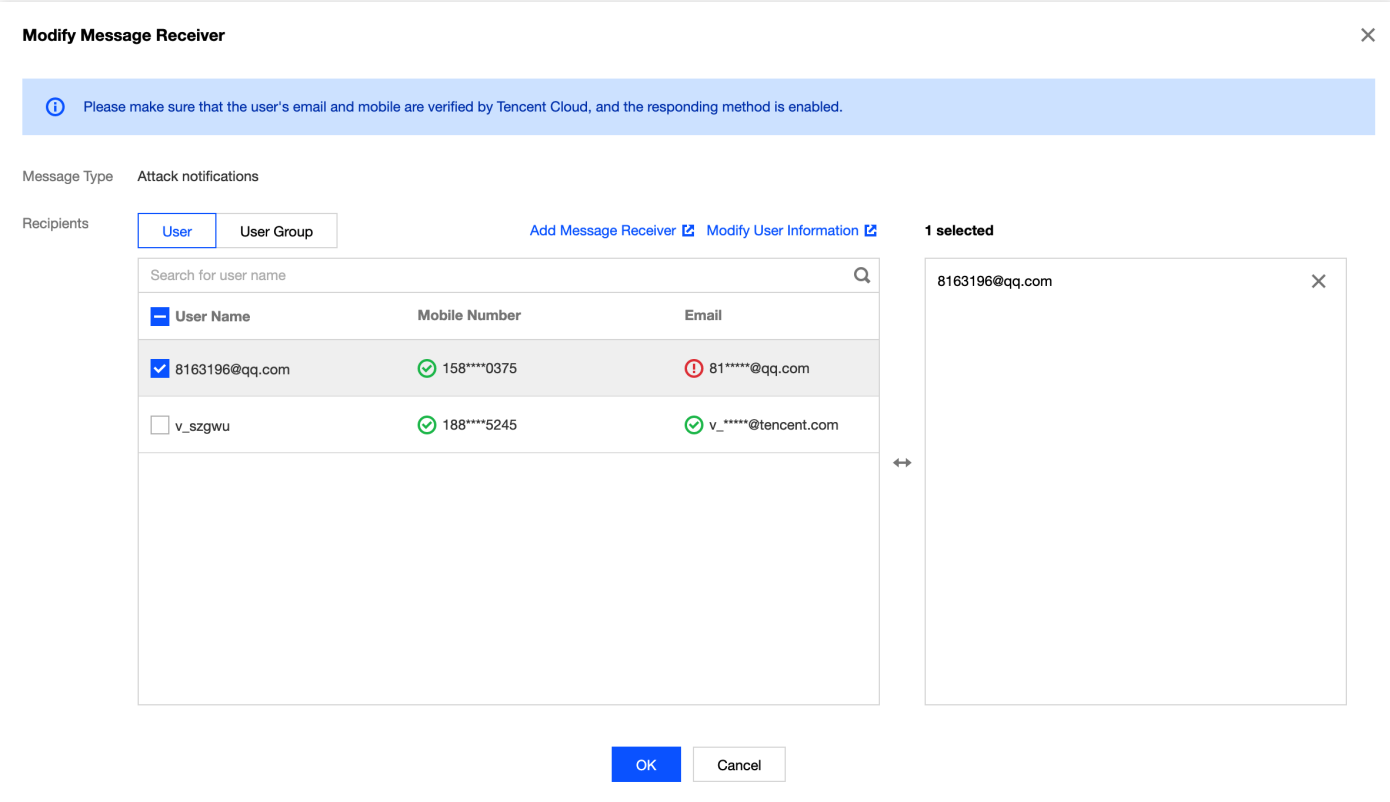
Note：

You can also log in to the console, click on the top bar, and click **More** to enter the Message Center.

2. Click **Message Subscription** on the left sidebar.
3. Tick message channels in **Security Notification** and click **Modify Message Receiver**.



4. Tick recipients on the setting page and click **OK**.



Connecting a Blocked Server

Last updated：2021-08-26 11:51:18

This document describes how to connect a blocked server.

Directions

1. Log in to the CVM Console and click **Instances** on the left sidebar to enter the instance details page.
2. Click the drop-down list in the top left corner and modify the region.
3. Click the search box to use filters such as "Instance Name", "Instance ID" and "Instance Status" to locate the blocked server.
4. Click **Log In** for the blocked server to display the **Log in to Linux Instance** pop-up window.
5. In the pop-up window, select **Login over VNC** and click **Log In Now** to connect the server via browser VNC.

Unblocking an IP

Last updated：2022-11-15 15:23:17

Unblocking Procedure

Auto unblocking

With auto unblocking, you only need to wait until blocked IPs are unblocked automatically. You can check the predicted unblocking time as follows:

1. Log in to the Anti-DDoS Console, select **Self-Service Unblocking** > **Unblock Blocked IP** on the left sidebar to get to unblocking operation.
2. Check the predicted unblocking time of an IP in **Estimated Unblocking Time** on the unblocking page.

Manual unblocking

You can perform unblocking earlier as follows:

> Note：
>
> - Only **three** chances of self-service unblocking are provided for Anti-DDoS Pro or Advanced users every day. The system resets the chance counter daily at midnight. Unused chances cannot be accumulated for the next day.
> - If the attack persists, you cannot perform unblocking. You need to wait for the attack to end before manual unblocking or auto unblocking.

1. Log in to the Anti-DDoS Console, select **Self-Service Unblocking** > **Unblock Blocked IP** on the left sidebar to get to unblocking operation.

2. Find the protected IP in **Pending Auto Unblocking** and click **Unblock** in the **Operation** column on the right.

3. Click **OK** in the **Unblock Blocked IP** dialog box. If you receive a notification indicating successful unblocking, the IP has been successfully unblocked. You can refresh the page to check whether the protected IP is in running status.

Unblocking Operation Record

Log in to the Anti-DDoS Console, select **Self-Service Unblocking** > **Unblocking History** on the left sidebar. You can check all unblocking records in the specified period, including records of automatic unblocking and manual unblocking.