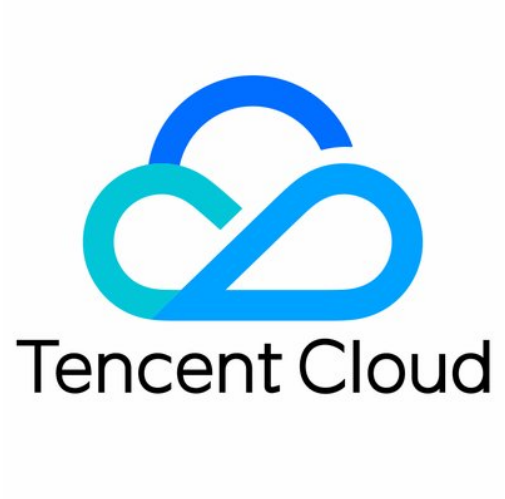
Secure Content Delivery Network

User Guide

Product Documentation



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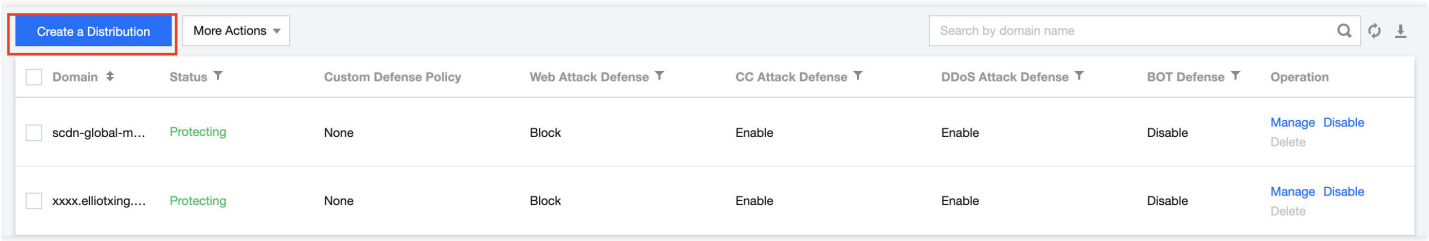
Domain Name Connection

Last updated：2021-11-25 12:09:53

After purchasing an SCDN package, log in to the SCDN Console to add and configure your domain name. Your defense configurations for the domain name will be deployed to all SCDN nodes, which does not affect your business.

Creating a Distribution

On the **Defense Settings** page, click **Create a Distribution**.

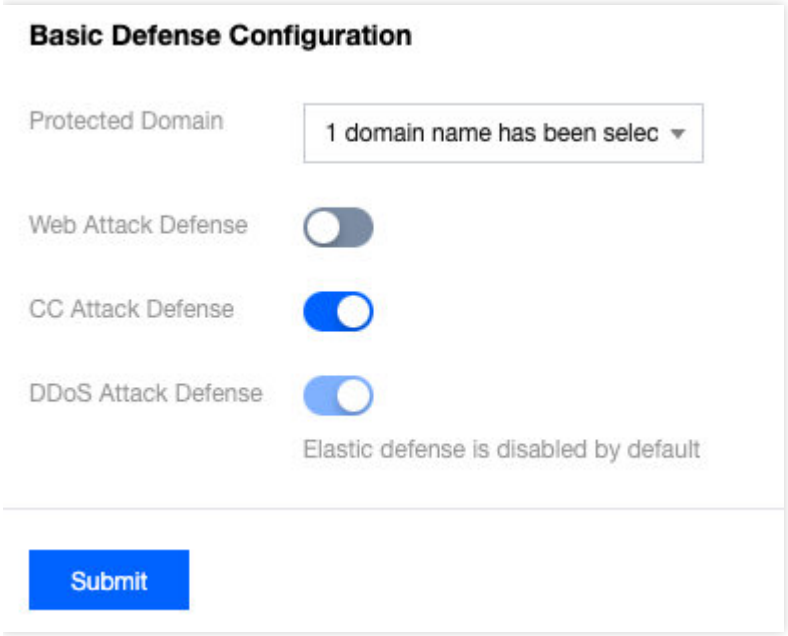


The distribution creation page consists of two parts:

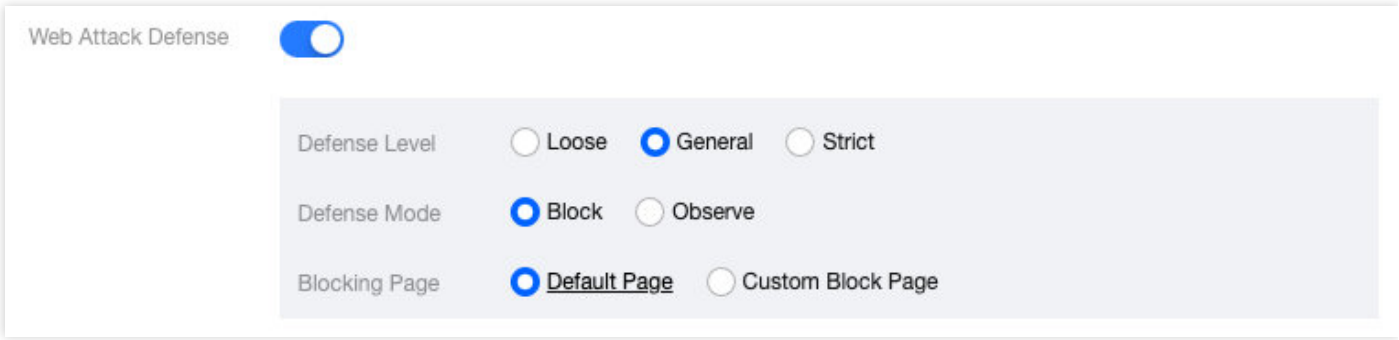
- Basic defense configuration
- Custom defense policy

Basic defense configuration

This feature allows you to configure the web attack defense, CC attack defense, and DDoS attack defense settings for your domain name.



- Protected domain name
  - Select one or more domain names to connect to SCDN (wildcard domain names are not supported).
  - The domain name you select must be already connected to CDN and the CDN service is enabled.
  - Up to 10 domain names can be added at a time. The total number of domain names connected to SCDN cannot exceed the limit of your SCDN package.
- Web attack defense



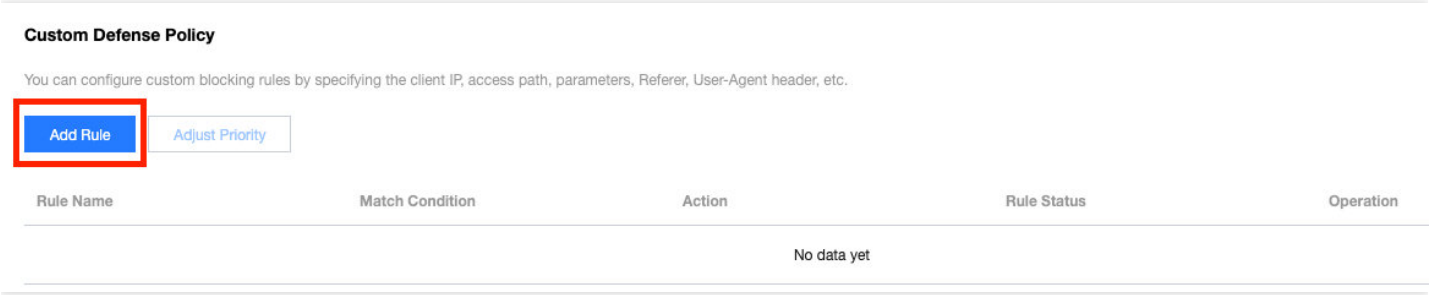
  - You can enable web attack defense as needed.
  - Defense mode: supports **Block** and **Observe** modes. The **Block** mode enables SCDN nodes to detect web attack requests and block them based on your setting, returning the default blocking page and a 403 status code, or redirecting the requests to your custom blocking page.
  - Custom page address: the user-defined page to which SCDN nodes redirect the web attack requests.

- Redirect status code: supports status codes 301 and 302.

- CC and DDoS attack defense
  - CC attack defense and DDoS attack defense are enabled by default.
  - Elastic defense will be enabled by default if your package includes the service. Otherwise, it is disabled by default. For more details, see Billing.

Custom defense policy

SCDN allows you to create complex access control rules by specifying fields, such as IP, URI, Referer, User-Agent and Params, to filter requests. You can also create and combine multiple conditions with the condition logic in a single rule depending on the business scenario.



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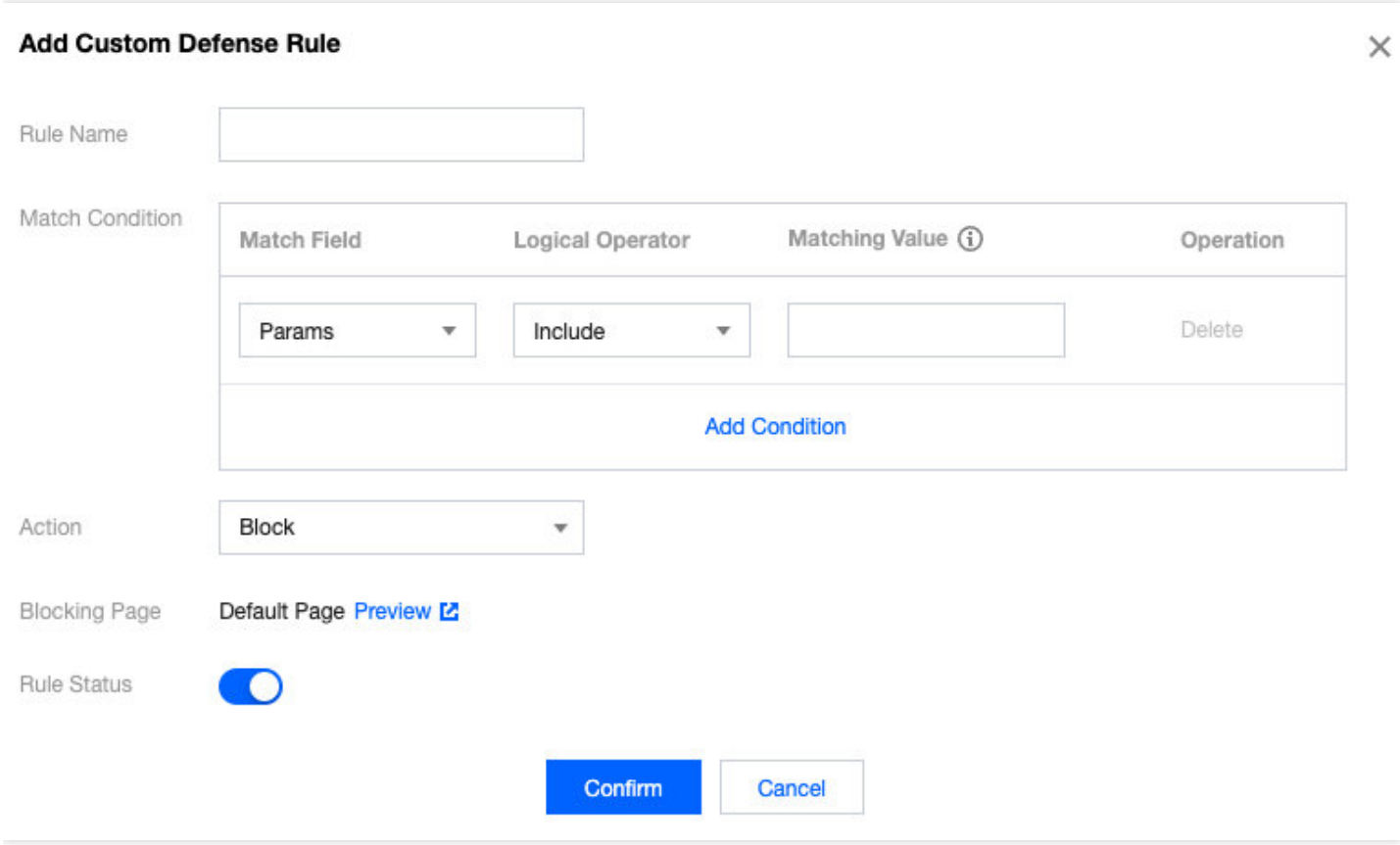

- Defense rule
  - A maximum of five custom rules can be created and each rule can have up to five matching conditions. These rules and conditions are combined with OR and run in order from top to bottom. **If any of these conditions is met, the access is blocked**.
  - Match field: supports Params, URL (only limited to path, such as `/test/1.jpg` , excluding parameters after "?"), IP (client IP), Referer, and User-Agent.
  - Match condition: supports Include, Exclude, Equal to, Not equal to, Length shorter than, Length equal to, and Length longer than.
  - Match value: supports only **one** match, and does not support regular expressions. It is left blank by default if not specified.

Submitting configuration

Click "Submit" to submit your completed domain name configuration, which takes about five minutes to be effective. In the pop-up window, click **Back to Defense Configuration** if you want to return to view or modify your configuration; click **Continue** if you want to add domain names.

Domain Name Operations

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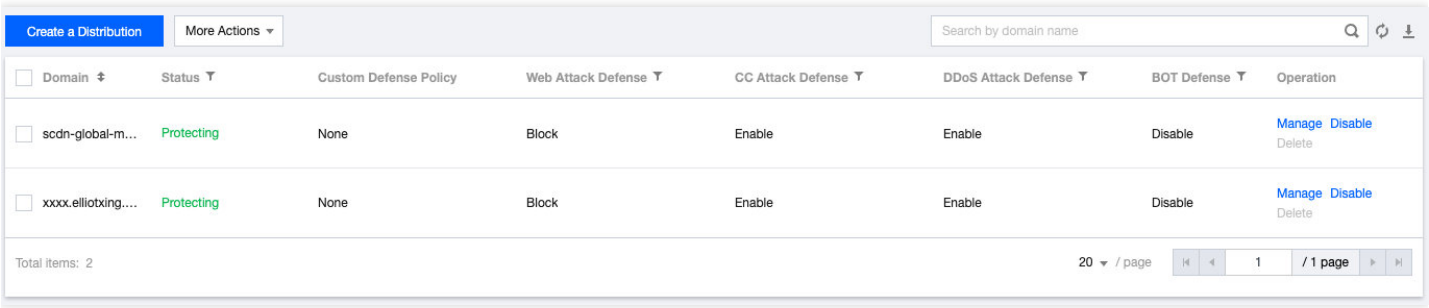
If you want to delete a domain name connected to SCDN service, you can delete it on the SCDN console. You can also manage its configuration on the console.

Deleting a Domain Name

Only an SCDN domain name with its SCDN service disabled can be deleted. After the deletion, its configuration will also be removed. The steps are as follows:

Note：

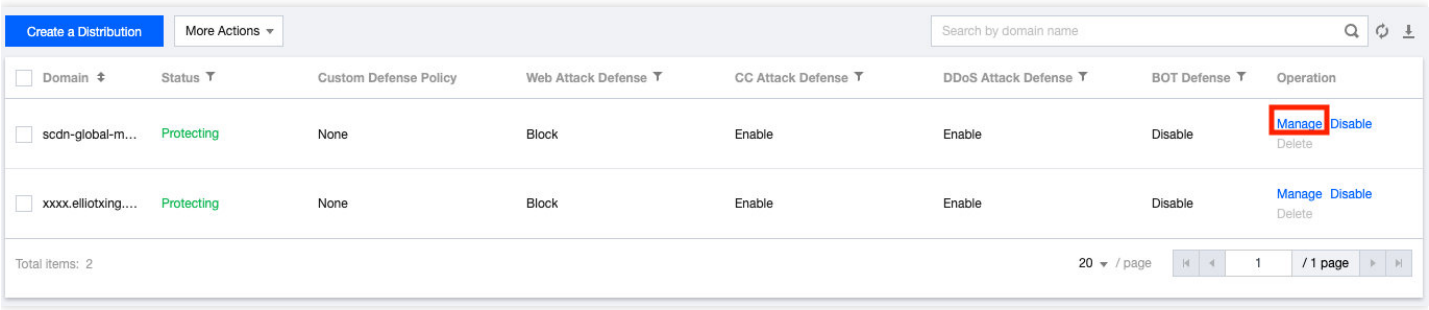
- Click **Disable** to disable the SCDN service for the domain name you want to remove, which will not affect its CDN acceleration service.
- Click **Delete** on the right of the domain name.



Managing Configuration

You can view and modify the configuration for a domain name as follows:

- Click **Manage** on the right of the domain name you want on the SCDN console.
- For more details, see Configuration Management.



Configuration Management

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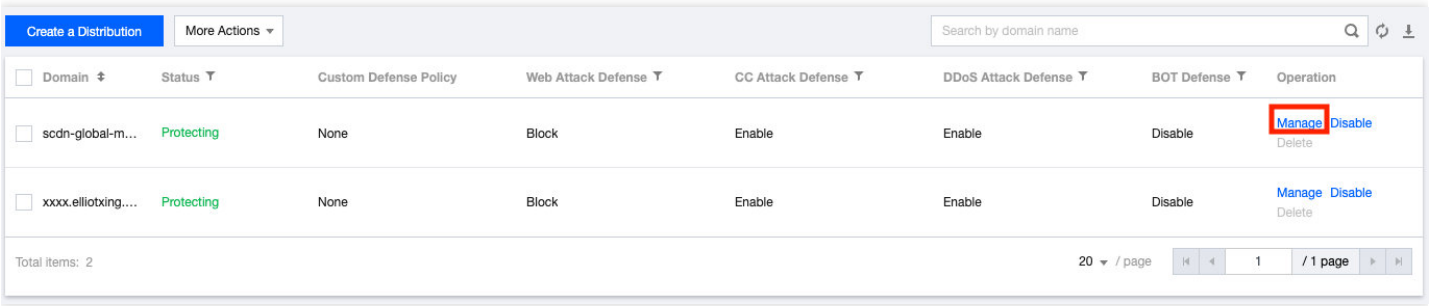
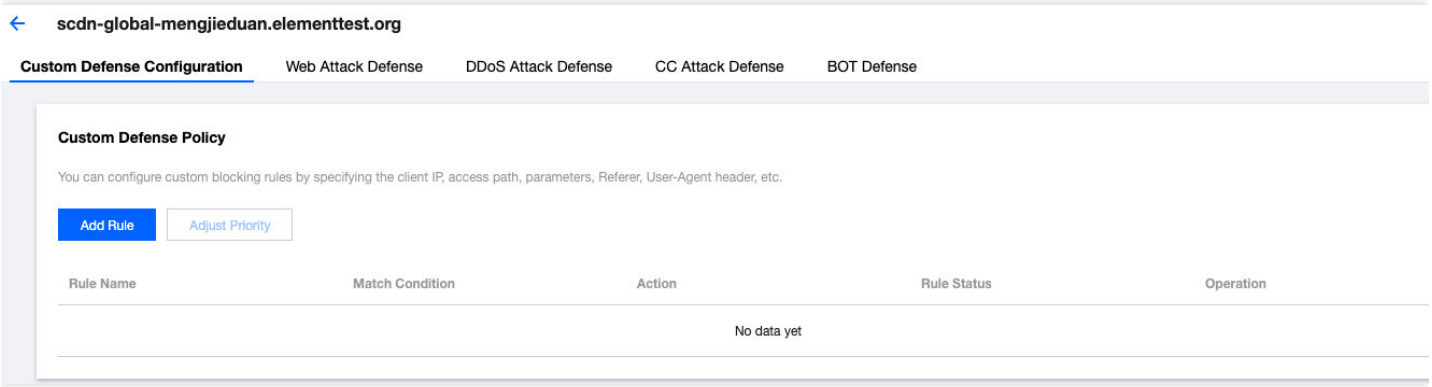
On the SCDN console, you can view and modify your SCDN configurations such as web attack defense and custom defense policies. Your modification will take effect in about 5 minutes once submitted.

Configuring a Domain Name

Log in to the SCDN Console, locate the domain name to check or modify its configuration, and click **Manage**.



The domain name configuration page will display the security configuration details, including the web attack defense, DDoS attack defense and CC attack defense settings as well as custom defense policies.

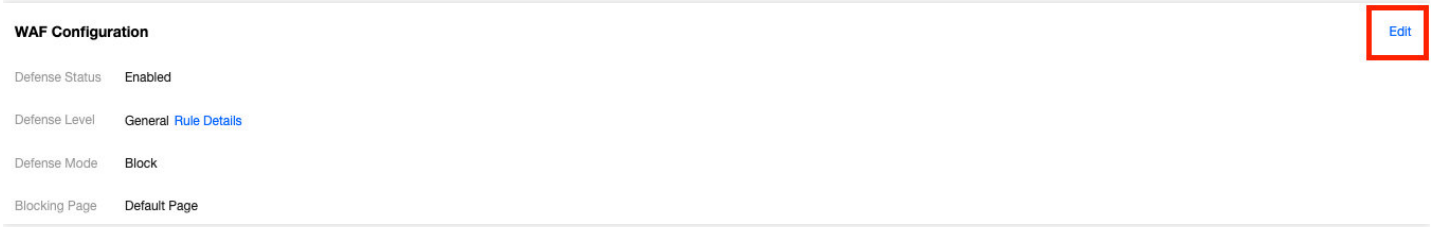


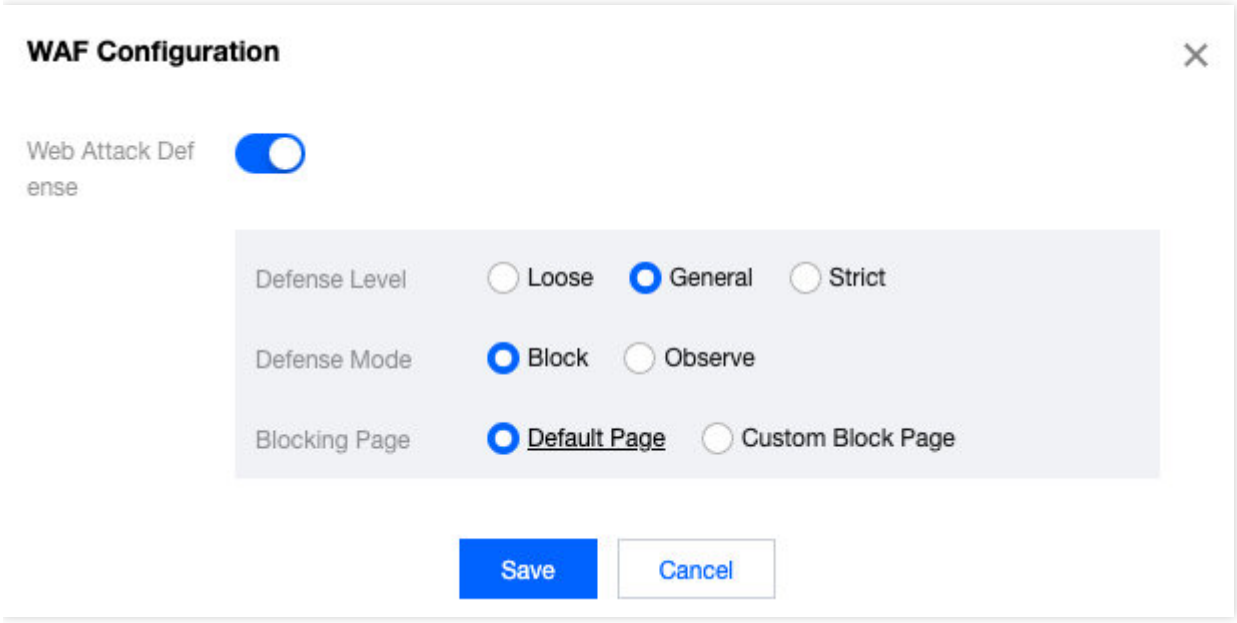
Modifying the Configuration

On the domain name configuration page, you can modify the following defense settings based on your business needs.

Web attack defense

Based on Tencent's massive web attack samples, SCDN supports identifying good access requests from bad ones and protecting your origin server against web attacks including SQL injection, XSS attacks and local file inclusion in real time.

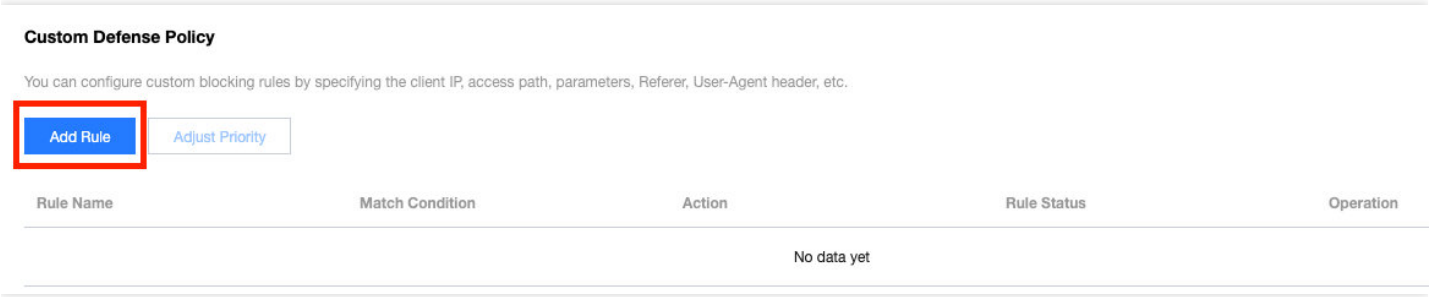


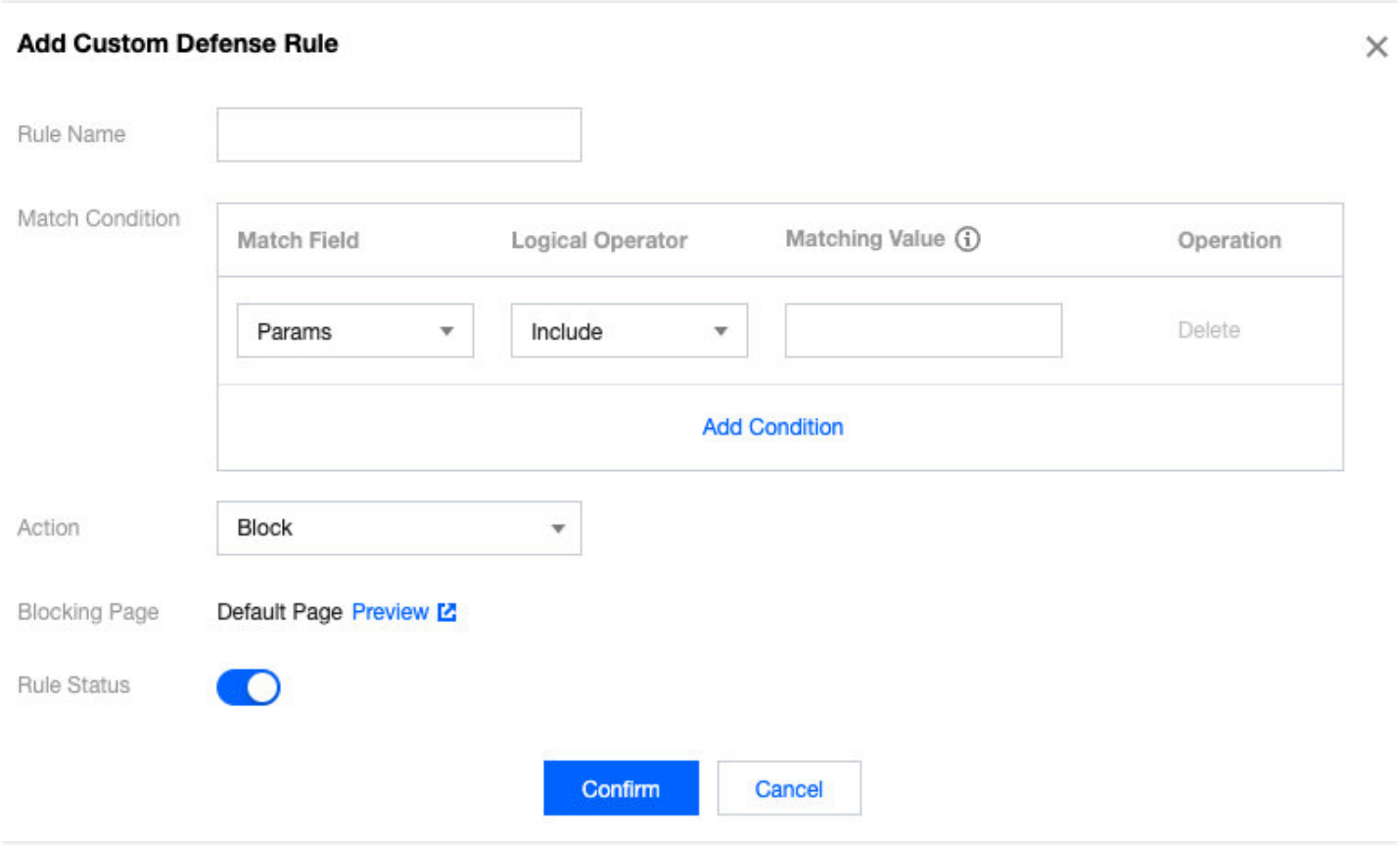


- You can enable web attack defense and set defense levels as needed.
- Defense mode: supports **Block** and **Observe** modes. The **Block** mode enables SCDN nodes to detect web attack requests and block them based on your setting, returning the default blocking page and a 403 status code, or redirecting the requests to your custom blocking page.
- Custom page address: the user-defined page to which SCDN nodes redirect the web attack requests.
- Redirect status code: supports status codes 301 and 302.

Custom defense policy

SCDN allows you to create complex access control rules by specifying fields, such as IP, URI, Referer, User-Agent and Params, to filter requests. You can also create and combine multiple conditions with the condition logic in a single rule depending on the business scenario.





1. Adding and modifying defense rules
   - A maximum of five custom rules can be created and each rule can have up to five matching conditions. These rules and conditions are combined with OR and run in order from top to bottom. **If any of these conditions is met, the access is blocked**.
   - Match field: supports Params, URL (only limited to path, such as `/test/1.jpg`, excluding parameters after "?"), IP (client IP), Referer, and User-Agent.
   - Match condition: supports Include, Exclude, Equal to, Not equal to, Length shorter than, Length equal to, and Length longer than.
   - Match value: supports only **one** match, and does not support regular expressions. It is left blank by default if not specified.
2. Disabling and deleting rules

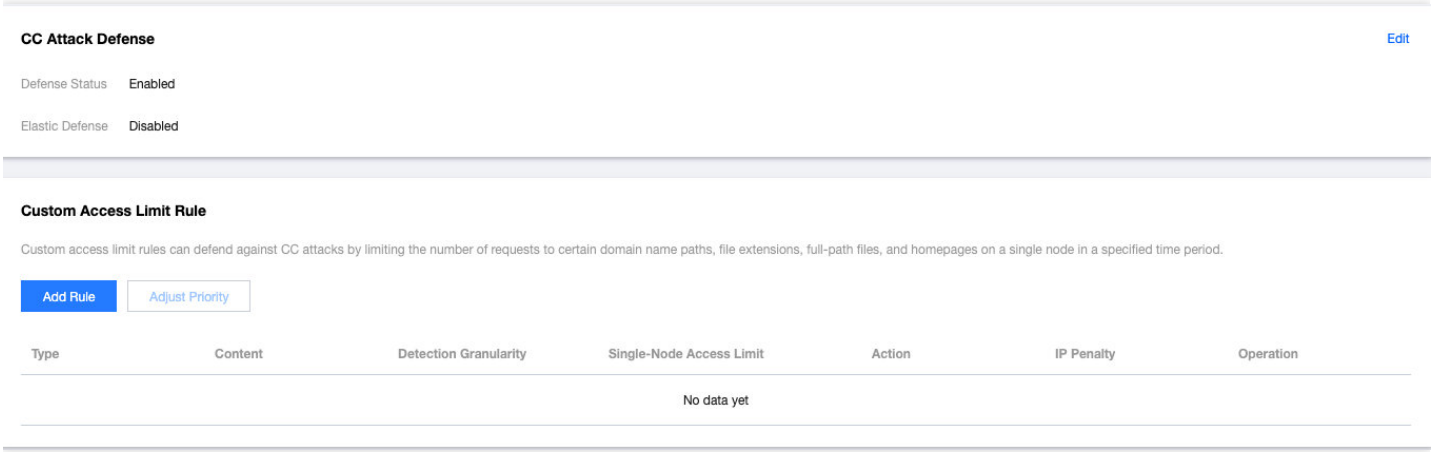
- By clicking **Enable**/**Disable**, you can enable/disable rules as needed.
- By clicking **Delete**, you can delete rules as needed. The rules that you deleted cannot be restored.

3. Adjusting priority
   - By clicking **Adjust Priority**, you can adjust the rule order, without affecting blocking requests.

DDoS and CC attack defense

With advanced feature recognition algorithms, SCDN delivers a precise cleansing of attack traffic and an all-round protection against DDoS attacks including SYN floods, TCP floods and ICMP floods. Meanwhile, it can analyze and block malicious CC attacks using self-designed intelligent CC attack identification and blocking technologies, recommended policies, and multi-dimensional, custom rules.

- CC attack defense and DDoS attack defense are enabled by default.
- Custom IP access limit rules are supported.



- Elastic defense will be enabled by default if your package includes the service. Otherwise, it is disabled by default. For more details, see Billing.

Event Logs

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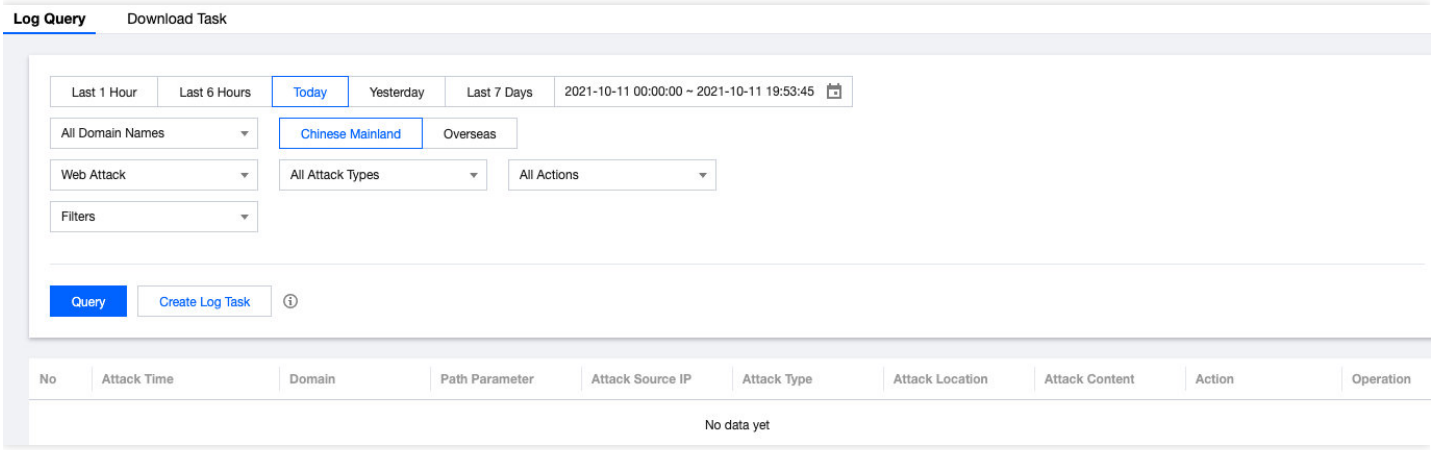
Overview

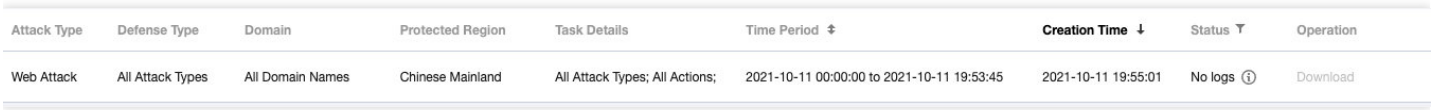
SCDN supports logging web attack information, including the time that SCDN received the attack request, attacker IP address, attack type, and content at which the attack targeted. It also allows you to output logs you need by setting download filters and creating log tasks.

Downloading Logs

Log in to the SCDN console, select **Event Logs** on the left sidebar, and then create log tasks as follows:



- Click **Create Log Task**. Select the domain name you want, attack type (which can be set to all attack types or a specific one), action (which can be set to all actions or a specific one), and time period.
- Attack logs for the last seven days can be downloaded.
- A maximum of 100 log tasks can be created per day and each log task can contain up to 1,000 logs.



- After the log task is created, log files will be generated in about one minute. Click **Download**.
- Downloaded log files can be retained for seven days.