

Content Delivery Network

Configuration Management

Product Introduction



Tencent  
Cloud

## Copyright Notice

©2013-2017 Tencent Cloud. All rights reserved.

Copyright in this document is exclusively owned by Tencent Cloud. You must not reproduce, modify, copy or distribute in any way, in whole or in part, the contents of this document without Tencent Cloud's the prior written consent.

## Trademark Notice



All trademarks associated with Tencent Cloud and its services are owned by Tencent Cloud Computing (Beijing) Company Limited and its affiliated companies. Trademarks of third parties referred to in this document are owned by their respective proprietors.

## Service Statement

This document is intended to provide users with general information about Tencent Cloud's products and services only and does not form part of Tencent Cloud's terms and conditions. Tencent Cloud's products or services are subject to change. Specific products and services and the standards applicable to them are exclusively provided for in Tencent Cloud's applicable terms and conditions.

---

## Contents

Documentation Legal Notice .....	2
Configuration Management .....	4
Configuration Overview .....	4
Basic Configurations .....	6
Basic Information .....	6
Origin Configurations .....	9
Origin HOST Header Configurations .....	14
Access Control .....	17
Parameter Filtering .....	17
referer Hotink Protection .....	20
IP Blacklist/Whitelist .....	25
Set IP Access Control .....	28
Video Drag Configurations .....	31
Cache Expiration .....	34
Back-to-origin Configurations .....	41
Set Intermediate Server .....	41
Configure Range GETs .....	43
Configure Follow 302 .....	45
Configure Bandwidth Cap .....	48
Configure HTTPS .....	51
SEO Optimization .....	54
Configure HTTP Header .....	56
International Direct Connect .....	62

## Configuration Management

## Configuration Overview

CDN supports various custom configurations which allow you to optimize your CDN acceleration according to your business needs.

### Basic Configuration

Configuration	Description
<a href="#">Basic Info</a>	Change the project to which a domain belongs, domain's content type
<a href="#">Origin server info</a>	Configure hot slave origin and modify origin server to ensure the success of back-to-origin requests
<a href="#">Hosting Source</a>	Specify the site domain accessed by the CDN node at the origin server

### Access Control

Configuration	Description
<a href="#">Filter Parameter Configuration</a>	Specify whether a node will ignore the parameters following the "?" in user request URLs
<a href="#">Hotlink Protection Configuration</a>	Configure HTTP referer blacklist & whitelist
<a href="#">IP Blacklist &amp; Whitelist</a>	Configure IP blacklist & whitelist for access control
<a href="#">IP Access Frequency Limit</a>	Configure access frequency limit of an IP to a single node
<a href="#">Video Drag Configurations</a>	Support to open video drag configuration

### Cache Configuration

Configuration	Description
<a href="#">Cache Validity Period Configuration</a>	Configure cache expiration rules for specified resource contents

## Origin Configuration

Configuration	Description
<a href="#">Intermediate Node Configuration</a>	Specify whether to use an intermediate node
<a href="#">Range GETs Configuration</a>	Enable/disable Range back-to-origin transmission in slices
<a href="#">Follow 302 Configuration</a>	Configure whether a request should be redirected when the origin server returns the status code 302

## Advanced Configuration

Configuration	Description
<a href="#">HTTPS Configuration</a>	Configure HTTPS to achieve a secure acceleration. HTTPS forced redirection is supported
<a href="#">SEO Optimization</a>	Enable SEO optimization configuration to ensure a consistent domain authority on search engines
<a href="#">HTTP Header</a>	Add HTTP header configurations
<a href="#">Capped Bandwidth Configuration</a>	Configure bandwidth cap for domains. When the cap is reached, the CDN service will be disabled and the access request is forwarded to the origin server

## Oversea CDN Configuration

Configuration	Description
<a href="#">International Private Line (Beta)</a>	Enable international private line during the use of oversea CDN acceleration service to improve back-to-origin connections

## Basic Configurations

### Basic Information

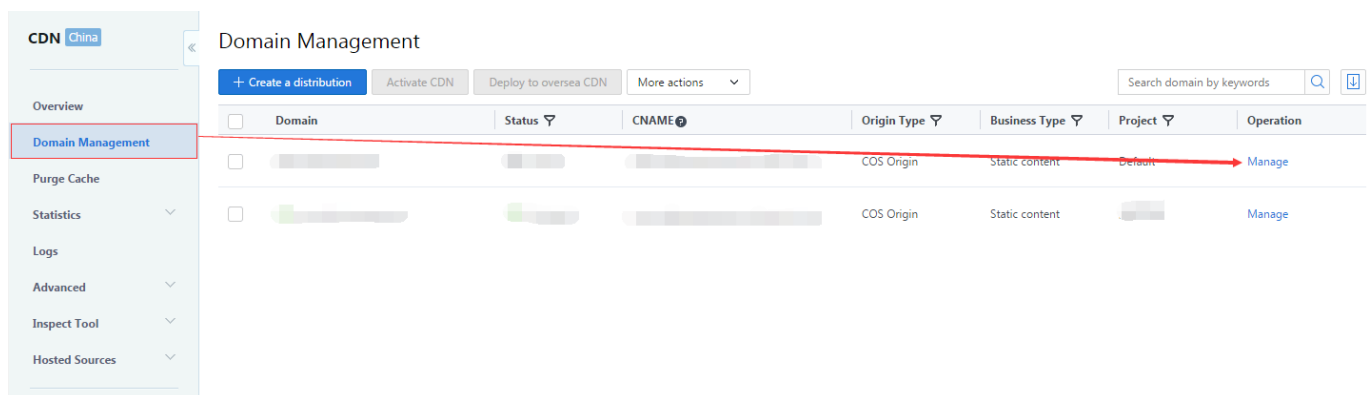
The basic information of a domain includes its accelerated domain, CNAME, time of creation, the project to which it belongs, and its content type.

You can modify a domain's project and content type as necessary.

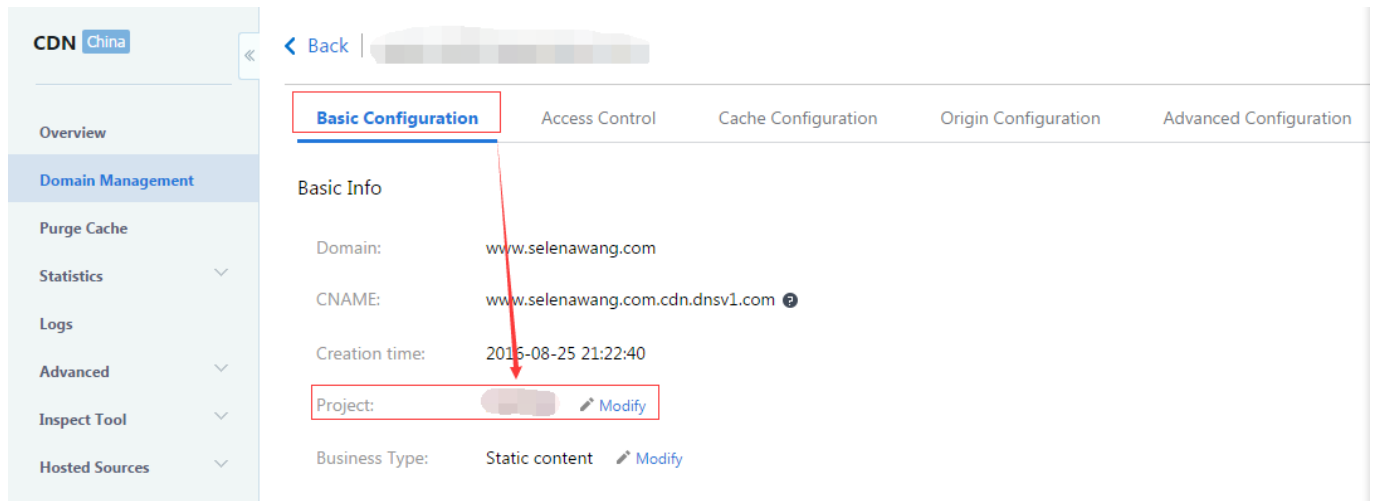
### Project

If there are a large number of domains, you can group them into projects for classified management. Click [Project Management](#) to view the existing projects.

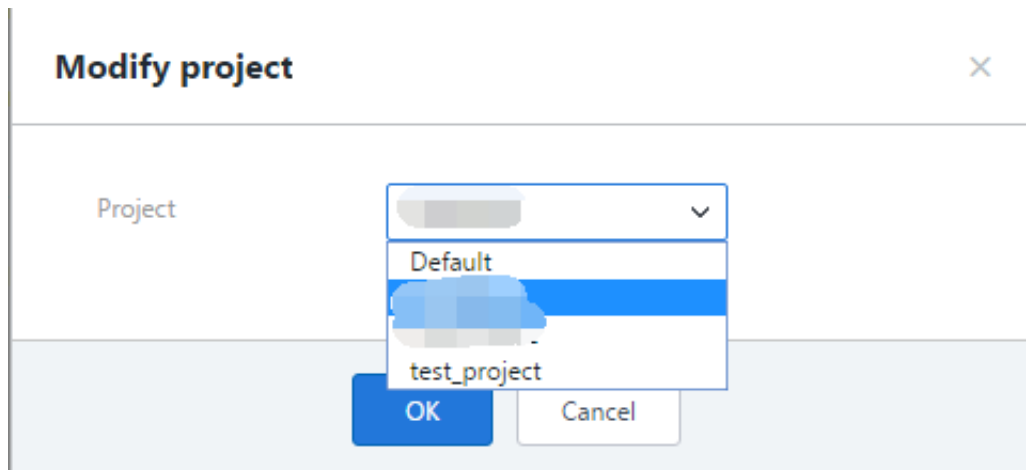
Log in to [CDN Console](#) and go to "Domain Management" page. Then click Manage button to the right of the domain name to enter the management page:



You can check the current project to which a domain belongs from Basic info in "Basic Configuration":



Click "Modify" to the right of Project to change the project:



Users who use the CDN permission system should proceed with caution, since this operation may cause changes to the permissions of sub-users.

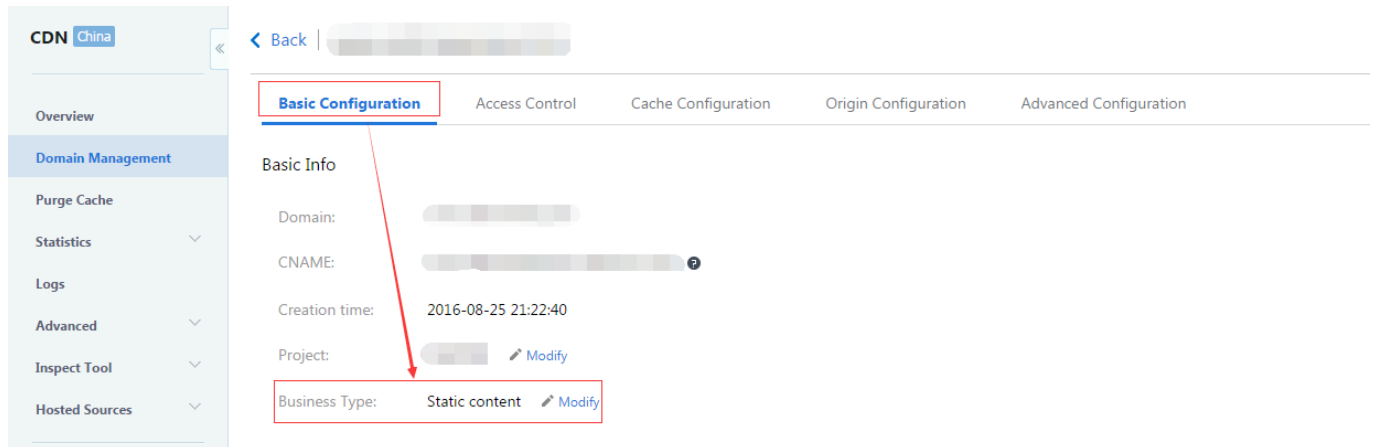
## Content Type

The selected content type determines which resource platform will be used by the domain. Acceleration configurations vary with resource platforms. Please choose the content type that matches your business:

- Static content: Suitable for acceleration scenarios for static resources such as e-commerce, websites, game images;
- Media streaming: Suitable for application scenarios such as LVB, ILVB downstream acceleration and VOD acceleration;

- Downloading: Suitable for scenarios such as audio & video source file download, mobile phone firmware delivery.

You can check the current content type of a domain from Basic info in "Basic Configuration":



Click the "Modify" link to the right of Content type to change the content type.



## Origin Configurations

You may modify the origin server configuration for your domain:

- Switching between own origin and COS origin is supported;
- You can configure hot slave origin servers for a domain whose connection method is own origin. When a back-to-origin request towards the master origin encounters an error (including 4XX or 5XX error codes and TCP connection error), the request will be forwarded to the slave origin server;
- The switching between master and slave origin configurations is supported.

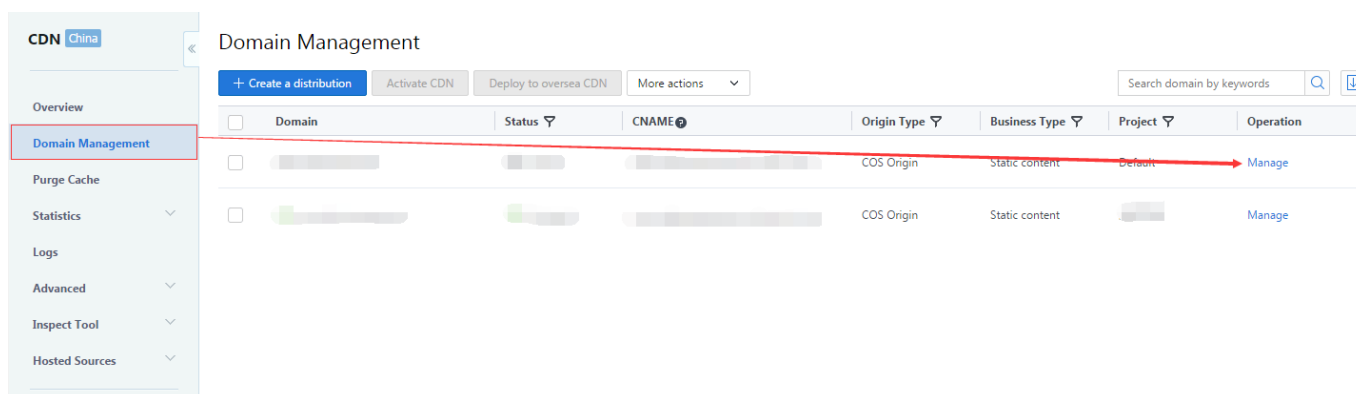
Configuring hot slave origin server can effectively reduce failure rate of back-to-origin requests and improve your business.

HTTPS back-to-origin method is currently not supported by slave origin servers. Please do not choose HTTPS back-to-origin method when configuring certificates for domains with hot slave origin servers.

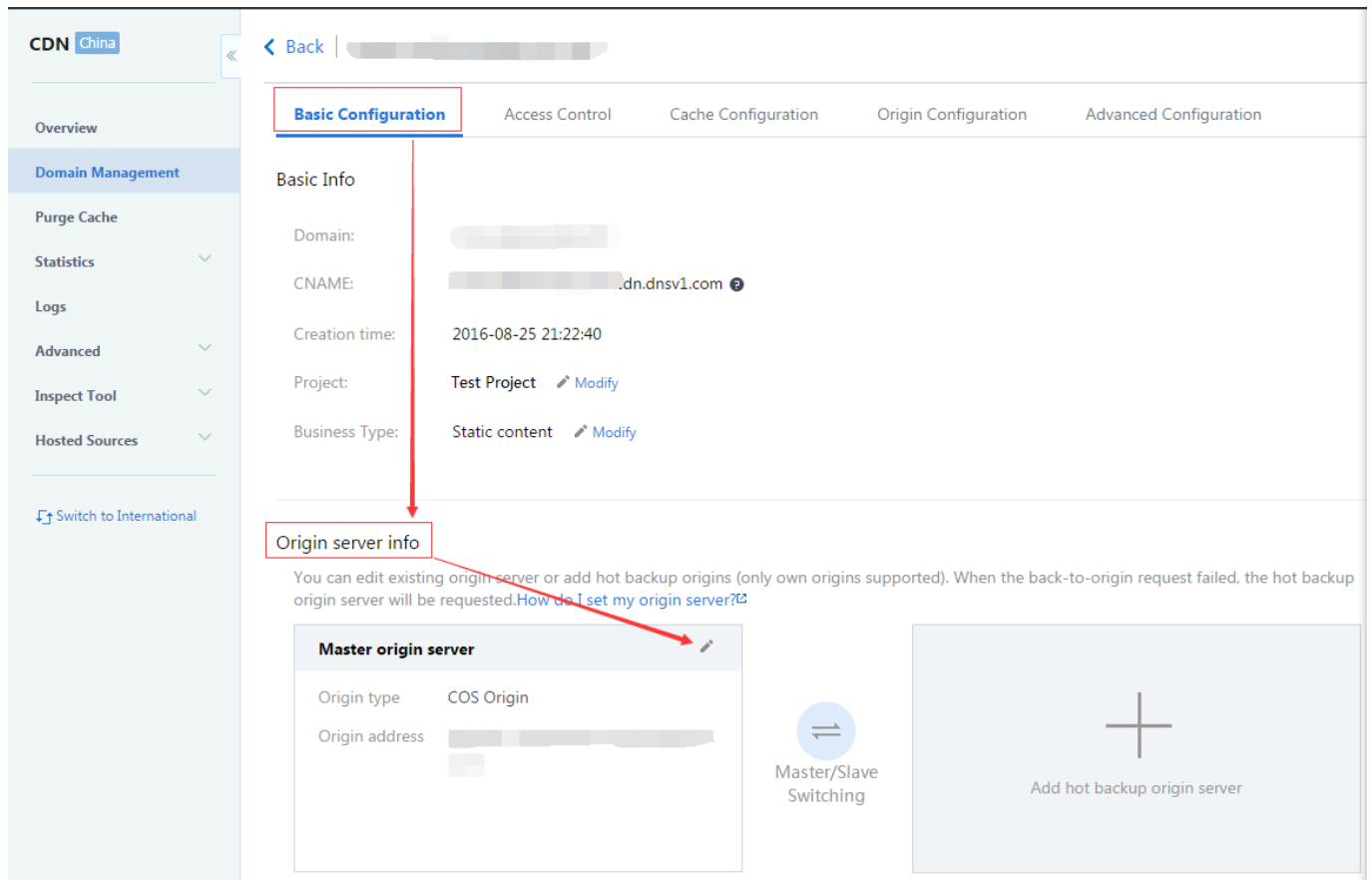
## Modifying Origin Server

Switching between own origin and COS origin is supported to provide a higher flexibility.

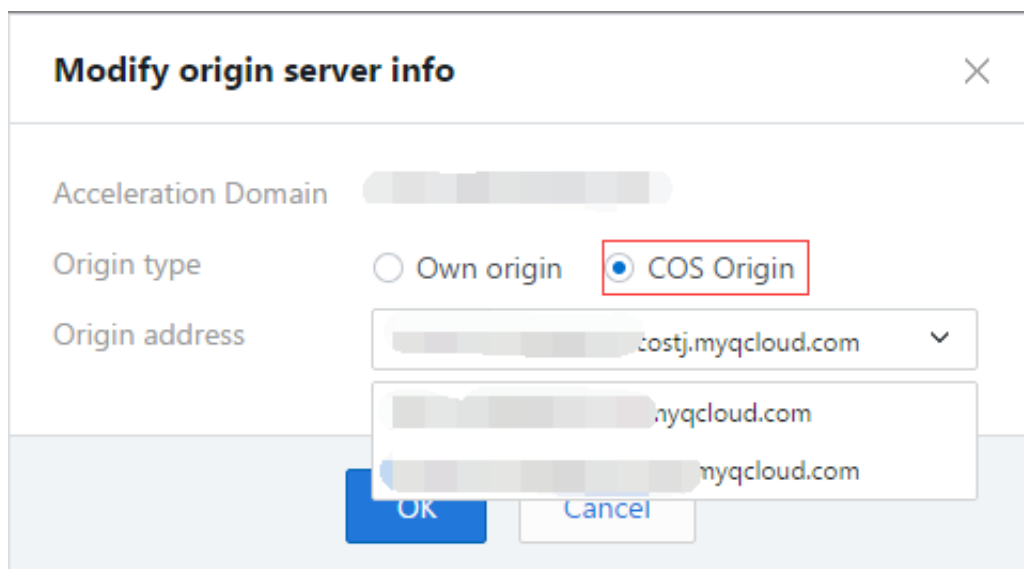
Log in to [CDN Console](#) and go to "Domain Management" page. Then click Manage button to the right of the domain name to enter the management page:



Go to Origin Server Info under "Basic Configuration" to view the current origin server configuration of the domain:



Click the modify button at the top-right corner of the origin server configuration to make changes. Switching between COS origin and own origin is supported:



## Adding Hot Slave Origin Server

You can add hot slave origin servers for a domain whose connection method is own origin. When a back-to-origin request towards the master origin encounters an error (including 4XX or 5XX error codes and TCP connection error), the request will be forwarded to the slave origin server.

The screenshot shows the Tencent Cloud CDN console interface. On the left is a sidebar with navigation options: Overview, Domain Management (selected), Purge Cache, Statistics, Logs, Advanced, Inspect Tool, and Hosted Sources. At the top, there's a 'CDN China' label and a 'Back' button. The main content area has tabs: Basic Configuration (selected), Access Control, Cache Configuration, Origin Configuration, and Advanced Configuration. Under 'Basic Configuration', there's a 'Basic Info' section with fields for Domain, CNAME, Creation time, Project, and Business Type. Below this is the 'Origin server info' section, which contains a text block explaining that you can edit existing origin servers or add hot backup origins (only own origins supported). A red box highlights the 'Origin server info' section. A red arrow points from this box to the 'Add hot backup origin server' button in the 'Master origin server' section. The 'Master origin server' section shows 'Origin type' as 'Own origin' and 'Origin address' as a masked field. A 'Master/Slave Switching' icon is also visible.

Hot slave origin servers can only be configured as own origins:

**Add hot backup origin server** ×

Acceleration Domain

Origin type

Origin address

Own origin

Enter origin server IP or domain name

Enter multiple origin server IPs (one per line) or ONE domain; supported ports: 0-65535

OK

Cancel

## Switching between master and slave origin configurations

Once slave origin server is configured, you can witch between the master and slave origin server configurations with one click:

CDN China

Overview

Domain Management

Purge Cache

Statistics

Logs

Advanced

Inspect Tool

Hosted Sources

Switch to International

Back

Basic Configuration

Access Control

Cache Configuration

Origin Configuration

Advanced Configuration

Basic Info

Domain:

CNAME:

Creation time: 2016-08-25 21:22:40

Project: [Modify](#)

Business Type: Static content [Modify](#)

Origin server info

You can edit existing origin server or add hot backup origins (only own origins supported). When the back-to-origin request failed, the hot backup origin server will be requested.[How do I set my origin server?](#)

Master origin server

Origin type Own origin

Origin address

Hot backup origin server

Origin type Own origin

Origin address

Master/Slave Switching

## Origin HOST Header Configurations

### Overview

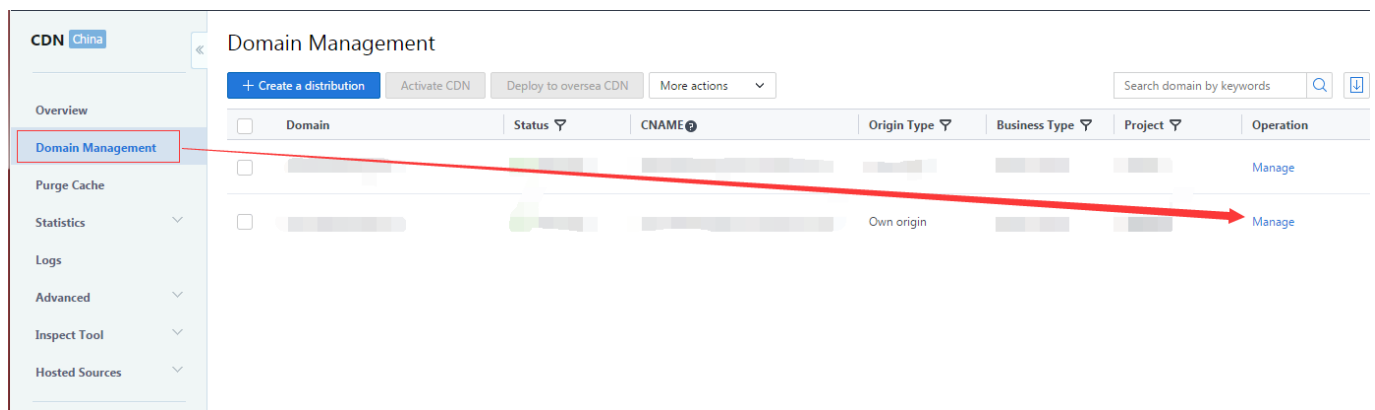
Origin Host Header refers to the site domain accessed by the CDN node at the origin server.

Note:

- Origin server and origin host header: The IP/domain configured at the origin server allows the CDN node to find the origin server when it attempts to access the origin. There can be multiple WEB sites on the server, and the hosting source indicates on which site the resource resides.

### Configuration Instructions

Log in to [CDN Console](#) and go to "Domain Management" page. Then click Manage button to the right of the domain name to enter the management page:



Go to Origin Configuration in "Basic Configuration" to configure hosting source:

#### Origin Configuration

hosting source is used when the CDN goes to the origin to access the domain; and also the host field of http request-header. [What's Host header?](#)

Host header: [Redacted]

### Default Configuration

By default, the origin host header of a sub-domain is the configured accelerated domain; The origin host header of a wildcard domain is the access domain:

**Modify source type** ×

hosting source is when the CDN goes source to the origin to access the domain; and also the host field of http request-header.

You can modify the hosting source according to requirements; please make sure the domain can be accessed normally, or there will be situations where the source will fail.

hosting source type: ☒ Default ☐ Custom

The default source host is your accelerated domain

Host header

- If the accelerated domain connected is `www.test.com`, when the node sends an access request to origin server for the resource under this domain, the host field in the Request HTTP Header will be `"www.test.com"`;
- If the accelerated domain connected is a wildcard domain such as `*.test.com`, and the access domain is `abc.test.com`, then the origin host header will be `abc.test.com`.

## Custom Configuration

You can set custom origin host header according to your business needs.

**Modify source type**

hosting source is when the CDN goes source to the origin to access the domain; and also the host field of http request-header.

You can modify the hosting source according to requirements; please make sure the domain can be accessed normally, or there will be situations where the source will fail.

hosting source type:

☐ Default ☒ Custom

You can customize the source host, please make sure the domain has access to the origin

Host header

www.example.com

OK

Cancel

**Note**

- Currently, the configuration of origin host header is only available for domains with a connection method of Own Origin;
- Please make sure the origin host header domain you set is available for access, otherwise it will cause the failure of back-to-origin request, making your business affected.



## Access Control

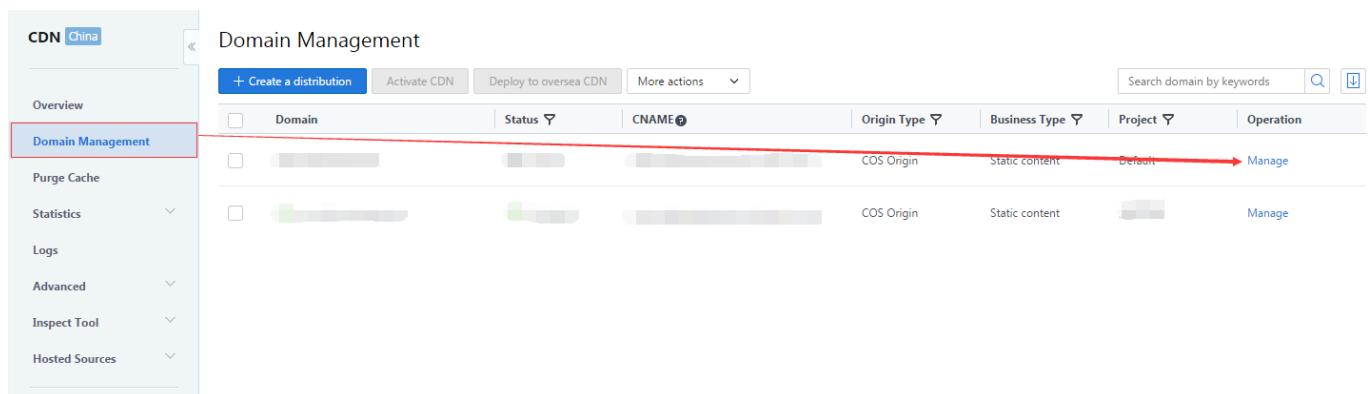
## Parameter Filtering

## Overview

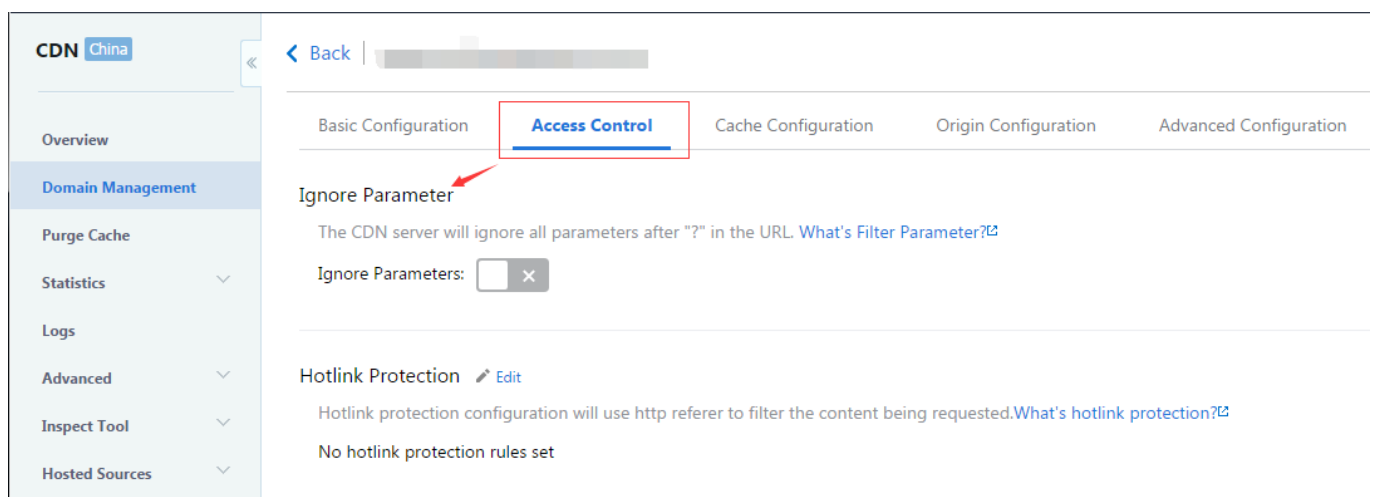
CDN's parameter filtering switch allows you to control whether to filter out parameters following the question mark in the user request URLs based on your business needs. You can use this feature to achieve versioning with flexibility, or to perform Token-based authentication against resources.

## Configuration Instructions

Log in to [CDN Console](#) and go to "Domain Management" page. Then click Manage button to the right of the domain name to enter the management page:



You can find Ignore Parameter in "Access Control" to set parameter filtering:



## Default Configuration

The switch is disabled by default. In this case, parameters following the "?" in user request URLs will not be ignored.

1. For example, if the URL of resource requested by a user is

`http://www.test.com/1.jpg?version=1.1`

, and the requested content is not cached on the node which receives this request, the resource will be acquired from the origin server and then cached to the node;

2. If the user requests for resource with URL:

`http://www.test.com/1.jpg?version=1.1`

again, and the resource has been already cached on the node, the resource will be hit and directly returned to the user;

3. If the user then requests for resource with

`http://www.test.com/1.jpg?version=1.2`

, which does not match the full path of resource because parameter filtering is disabled, thus the resource will be pulled from the origin server again.

## Enabling Parameter Filtering

When the parameter filtering configuration is enabled, parameters following the "?" in user request URLs will be ignored.

1. For example, if the URL of resource requested by a user is

`http://www.test.com/1.jpg?version=1.1`

and the content is not cached on the node which receives this request, the resource will be

acquired from the origin server and then cached to the node. With parameter filtering enabled, the resource URL stored by the node will be

`http://www.test.com/1.jpg`

;

2. If the user requests for resource with URL:

`http://www.test.com/1.jpg?version=1.1`

again, the actual resource that be looked up on the node will be

`http://www.test.com/1.jpg`

, which has already been cached, thus the resource is hit and directly returned to the user;

3. If the user then requests for resource with URL:

`http://www.test.com/1.jpg?version=1.2`

, the actual resource that be looked up on the node will be

`http://www.test.com/1.jpg`

, which has already been cached, thus the resource is hit and directly returned to the user.

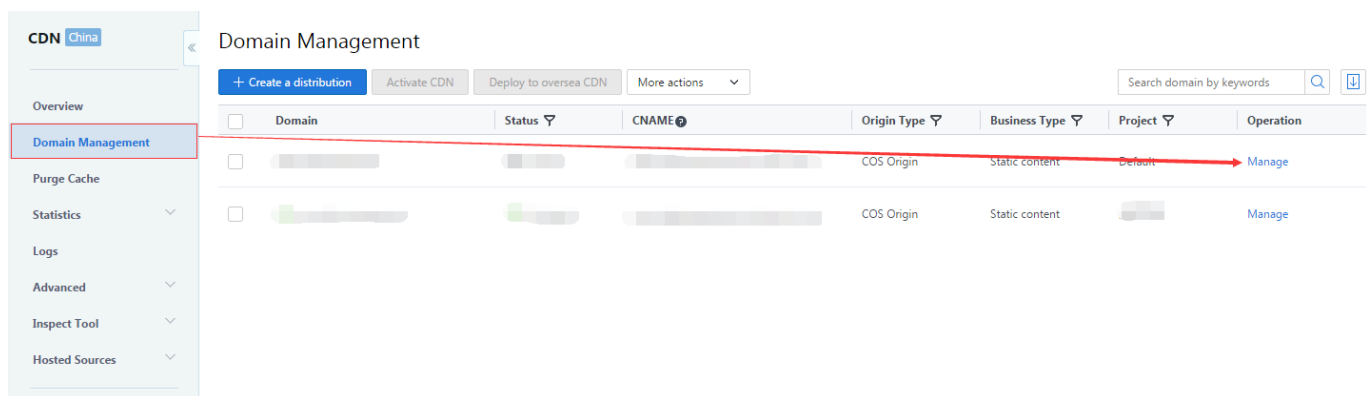
## referer Hotink Protection

### Overview

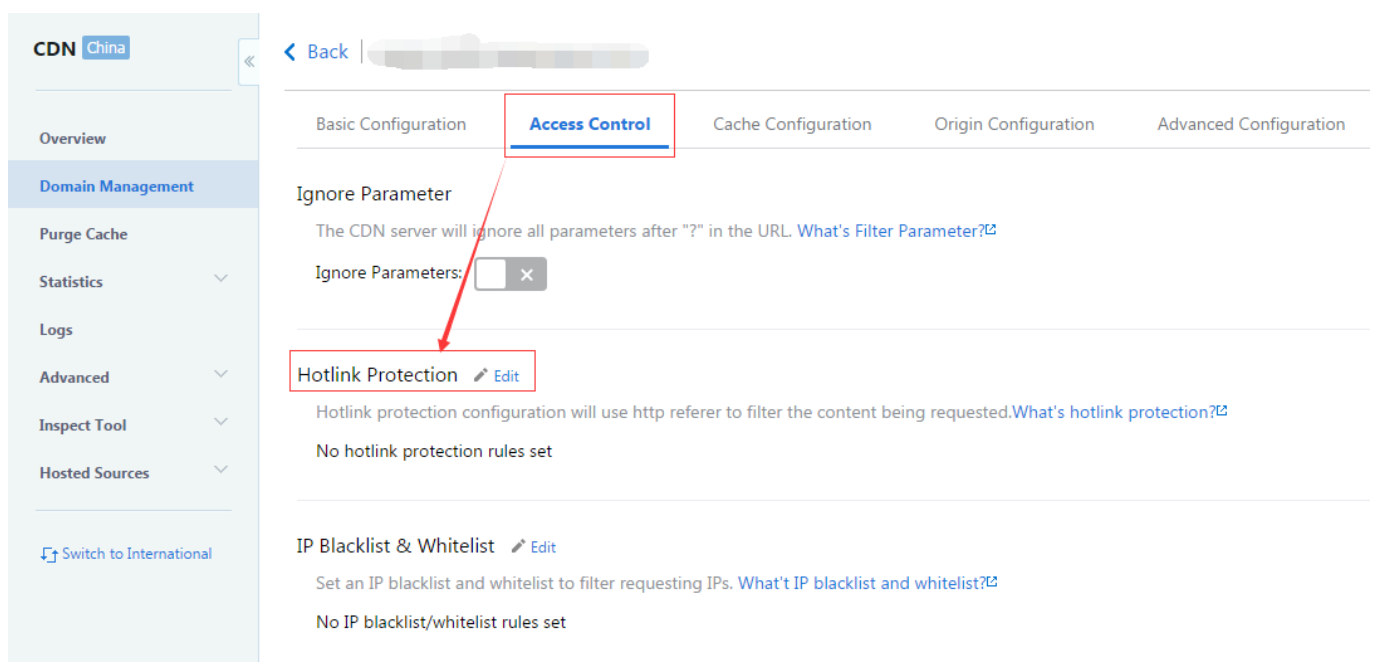
You can use the referer hotlink protection configuration feature provided by CDN to restrict the sources of access requests to your service resources. By setting a filtering policy for referer field value in user's HTTP Request Header, you can restrict the sources of access requests.

### Configuration Instructions

Log in to [CDN Console](#) and go to "Domain Management" page. Then click Manage button to the right of the domain name to enter the management page:



You can find referer Hotlink Protection in "Access Control":



## Default Configuration

By default, hotlink protection is disabled and no blacklist and whitelist exist.

## Custom Configuration

### Configuring referer whitelist

Click Edit near the hotlink protection configuration section and select referer whitelist to configure the whitelist:

**Modify Hotlink protection configuration** ×

Exclude http://, line-feed break; one entry per line; no duplication.  
If "Allow blank referer" is not checked and no contents are entered, referer hotlink protection feature is not enabled.

Hotlink protection type ☐ referer blacklist ☒ referer whitelist

☐ Allow blank referer ?

Please enter domain (www.test.com) or IP (203.123.123.123). ; supports front-end wildcards, example: \*.test.com

Allowed to enter: 400.

OK

Cancel

If a user has configured a referer whitelist for domain "www.abc.com" with the following content:

www.test.com

and Includes blank referer is unchecked, only the requests with a referer value of "www.test.com" are allowed to access the resource. For any other requests, a 403 error will be returned.

#### Must-Know Facts About Whitelist

- If the referer field of a request matches the string set for the whitelist, the CDN node will return the requested information normally;
- If the referer field of a request does not match the string set for the whitelist, the CDN node will reject returning requested information and return the 403 status code;
- Once the whitelist is configured, the CDN node will only return the requested information for the requests that match the string in the whitelist;
- When "Includes blank referer" is checked, CDN will return requested information normally if the referer field is blank or does not exist for a request (such as browser request).

#### Configuring the Referer Blacklist

Click Edit near the hotlink protection configuration section and select referer blacklist to configure the blacklist:

**Modify Hotlink protection configuration**

Exclude http://, line-feed break; one entry per line; no duplication.  
If "Allow blank referer" is not checked and no contents are entered, referer hotlink protection feature is not enabled.

Hotlink protection type ☒ referer blacklist ☐ referer whitelist  
☐ Allow blank referer ?

Please enter domain (www.test.com) or IP (203.123.123.123). ; supports front-end wildcards, example: \*.test.com

Allowed to enter: 400.

**OK**

Cancel

If a user has configured referer blacklist for domain "www.abc.com" with the following content:

www.test.com

and Includes blank referer is unchecked, a 403 error will returned for any request with a referer value of "www.test.com". For any other requests, the requested information will be returned normally.

**Must-Know Facts About Blacklist**

- If the referer field of a request matches the string set for the blacklist, the CDN node will reject returning the requested information and return the 403 status code.
- If the referer field of a request does not match the string set for the blacklist, the CDN node

will return the requested information normally;

- When "Includes blank referer" is checked, the CDN will reject returning the requested information and return the 403 status code if the referer field is blank or does not exist for a request (such as browser request).

## Note

- Referer blacklist and whitelist are not compatible with each other. You can only enable either of them at the same time;
- You can add a maximum of 400 entries for the hotlink protection feature, separated by line breaks (one entry per line).
- Hotlink protection supports the "domain name/IP" rule (prefix match). For example, if "www.abc.com" is set in the list, "www.abc.com/123" and "www.abc.com.cn" will be considered to match the list; if "127.0.0.1" is set in the list, "127.0.0.1/123" will be considered to match the list;
- Hotlink protection supports the use of wildcard. If "\*.qq.com" is set in the list, "www.qq.com" and "a.qq.com" will be considered to match the list..



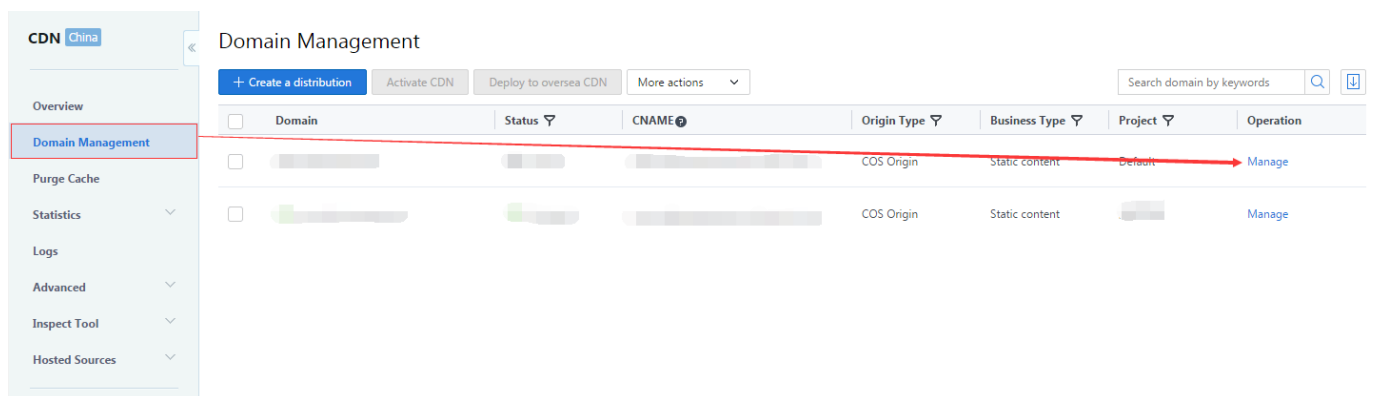
## IP Blacklist/Whitelist

### Overview

CDN provides IP Blacklist&Whitelist Configuration feature which allows you to set up filtering policies for the source IPs of user requests based on your business needs to prevent various problems such as cheating and attacks from malicious IPs.

### Configuration Instructions

Log in to [CDN Console](#) and go to "Domain Management" page. Then click Manage button to the right of the domain name to enter the management page:



You can find IP Blacklist & Whitelist configuration in "Access control":

IP Blacklist & Whitelist [Edit](#)  
Set an IP blacklist and whitelist to filter requesting IPs. [What's IP blacklist and whitelist?](#)  
No IP blacklist/whitelist rules set

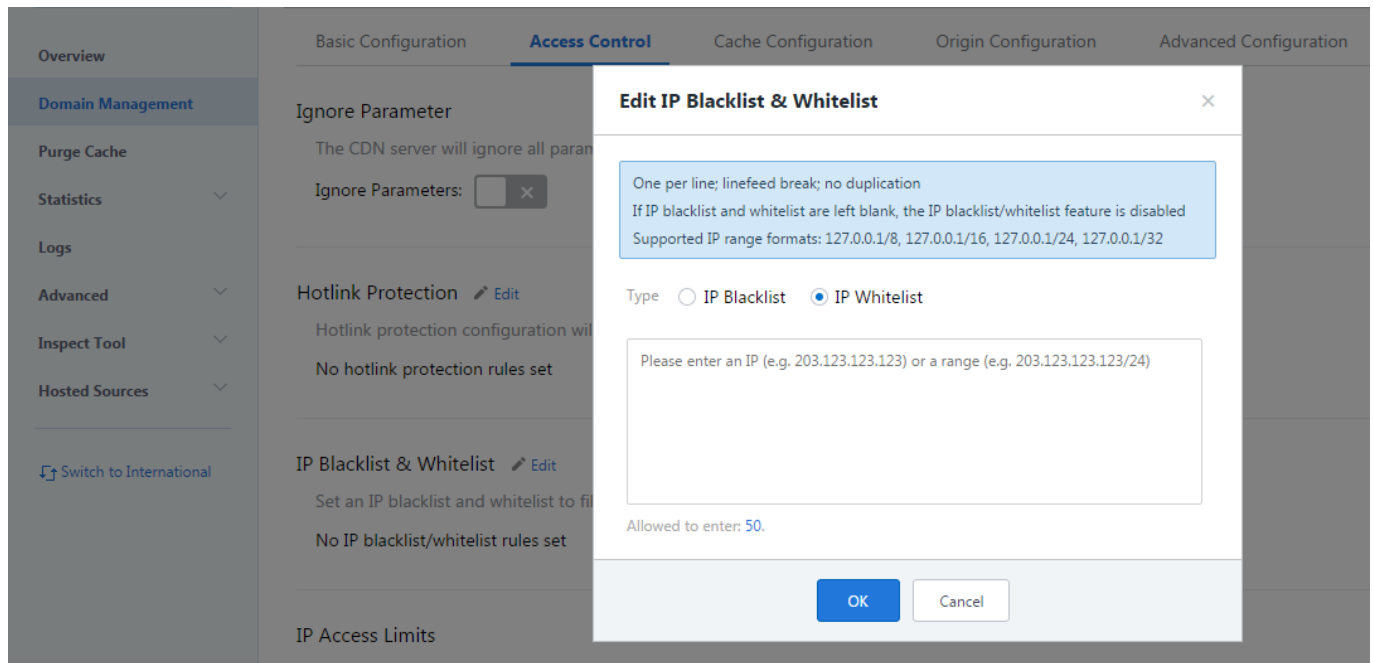
### Default Configuration

By default, IP blacklist & whitelist feature is disabled and no blacklist and whitelist exist.

### Custom Configuration

#### Configuring IP Whitelist

Click Edit button and select Whitelist to configure whitelist:



Assume that a user has configured IP whitelist for domain "www.abc.com" with the following content:

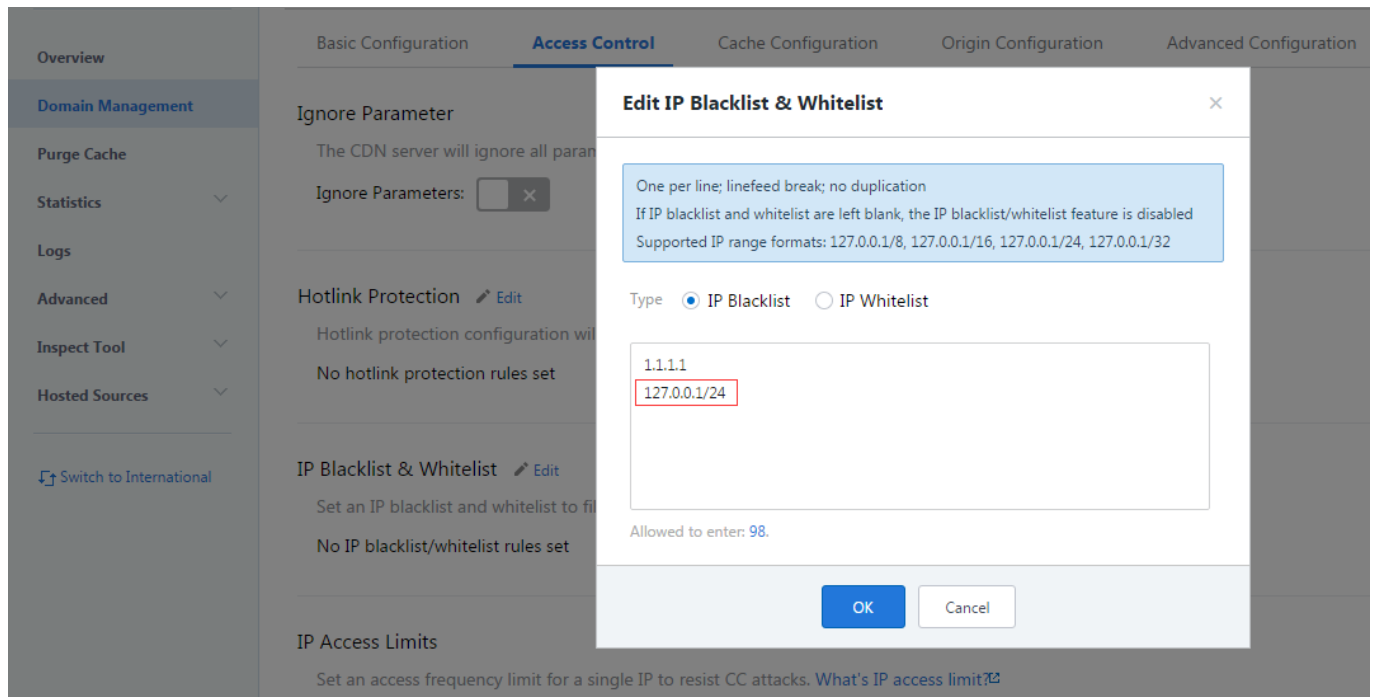
1.1.1.1

2.2.2.2/24

This indicates that the requested content can be returned successfully only if the source IP of the request is 1.1.1.1 or matches the network segment 2.2.2.2/24. A 403 error will be returned for any request that does not meet the condition.

### Configuring IP Blacklist

Click Edit button and select Blacklist to configure blacklist:



Assume that a user has configured IP blacklist for domain "www.abc.com" with the following content:

3.3.3.3

4.4.4.4/16

This indicates a 403 error will be returned only if the source IP of the request is 3.3.3.3 or matches the network segment 4.4.4.4/16. For any other requests, the requested content will be returned.

## Note

- IP blacklist and whitelist are not compatible with each other. You can only enable either of them at the same time;
- You can add a maximum of 100 entries, separated by line breaks (one entry per line);
- Currently, only network segments of the following formats are supported: /8, /16, /24, /32. Any other segment formats are not supported;
- When both lists are empty, it means that IP blacklist & whitelist feature is currently disabled.

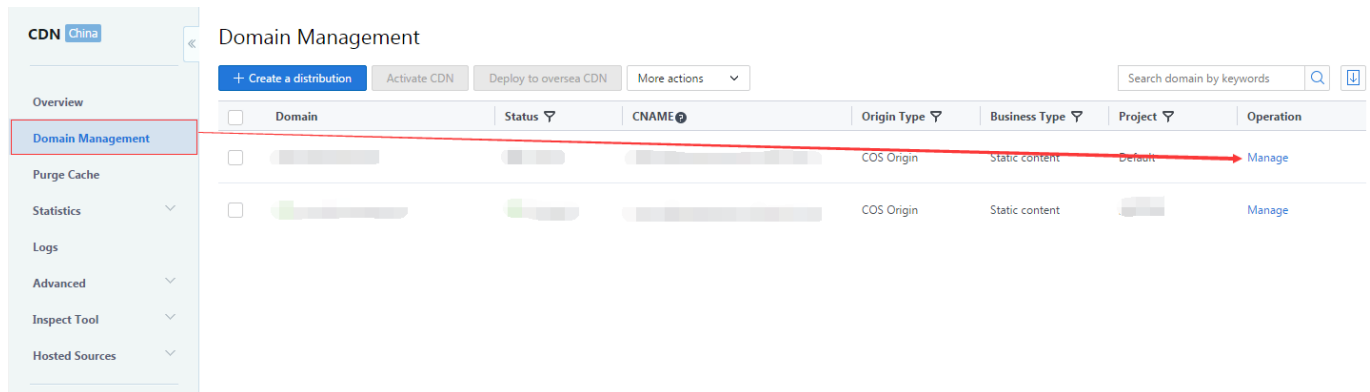
## Set IP Access Control

### Overview

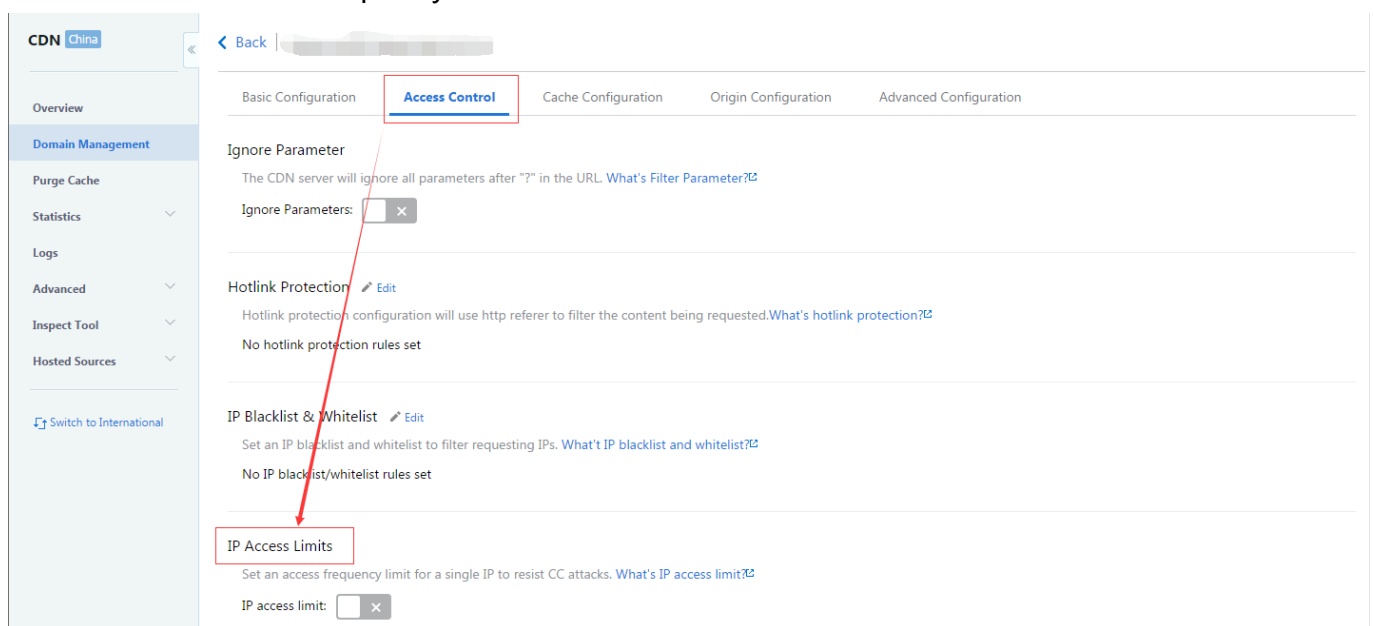
CDN provides IP access frequency limit configuration which restricts how many times an IP is allowed to access a node within one second to prevent CC attacks.

### Configuration Instructions

Log in to [CDN Console](#) and go to "Domain Management" page. Then click Manage button to the right of the domain name to enter the management page:



You can see IP Access Frequency Limit in "Access Control":



## Default Configuration

By default, IP Access Frequency Limit configuration is disabled.

## Custom Configuration

Click "On" button to enable IP Access Frequency Limit configuration. The system will suggest a threshold according to the average daily accesses of a single IP in the recent 30 days. You can see the given default threshold in the Current IP access limit field:

CDN China

< Back

Deploying configurations...It may take about 5 minutes.

Basic Configuration **Access Control** Cache Configuration Origin Configuration Advanced Configuration

Ignore Parameter

The CDN server will ignore all parameters after "?" in the URL. [What's Filter Parameter?](#)

Ignore Parameters:

Hotlink Protection [Edit](#)

Hotlink protection configuration will use http referer to filter the content being requested. [What's hotlink protection?](#)

No hotlink protection rules set

IP Blacklist & Whitelist [Edit](#)

Set an IP blacklist and whitelist to filter requesting IPs. [What's IP blacklist and whitelist?](#)

No IP blacklist/whitelist rules set

IP Access Limits

Set an access frequency limit for a single IP to resist CC attacks. [What's IP access limit?](#)

IP access limit: ☒

IP access limit: 10QPS [Edit](#)

1. The threshold defaults to the average daily accesses of an IP of this domain name.  
2. Setting an access frequency for single IP can help resist CC attacks, however it may also block some normal accesses.

### Note:

- Default threshold is calculated as follows: Count the average access frequency of an IP at each of the 288 statical points for each day (one point per 5 minutes) and take the largest value among the values for all the statical points for each day. Then get the default threshold by dividing the sum of largest value for each day by 30 (the recent 30 days);
- Minimum default threshold is 10QPS (for reference only). It is recommended to configure the threshold based on your business changes.

Click Edit button to customize the threshold:

**IP access limit** ×

Setting an access limit for single IP can help resist part of CC attacks, however it may also block some normal accesses.

Threshold  times/s

OK Cancel

Note:

- IP access frequency limit is designed to restrict how many times an IP is allowed to access a node within one second. If the limit is exceeded, a 514 error will be returned;
- Setting a reasonable threshold is recommended since a low frequency limit may affect the use by users who have a high access frequency.

## Video Drag Configurations

### Overview

The action of video dragging mainly occurs in VOD scenarios. When a user drags the video progress bar, a request (similar to the one shown below) will be sent to the server end:

`http://www.test.com/test.flv?start=10`

In this case, data will be returned starting from the 10th byte. Video files in VOD scenarios are all cached at various CDN nodes, thus the nodes can directly respond to such requests once this configuration is enabled.

### Configuration Instructions

#### Note About Configuration

##### Note

- The origin server is required to support Range requests
- Currently supported file types are: mp4, flv, ts
- You need to enable parameter filtering feature before enabling video dragging.

#### Parameter Description

File Type	meta Info	start Parameter Description	Request Example
MP4	For videos on the origin server, the meta info must be located at the file header. Videos with their meta info located at the file tail are not	The start parameter specifies a time (in seconds) and uses decimal to specify millisecond (for example, start=1.01 means the	<code>http://www.test.com/demo.mp4?start=10</code>  means the video will be played from the 10th second

File Type	meta Info	start Parameter Description	Request Example
	supported	starting time is 1.01s). CDN will locate the last key frame before the time specified by the start parameter (if the specified time is not a key frame)	
FLV	Videos on the origin server must include meta info	The start parameter specifies a byte. CDN will automatically locate the last key frame before the byte specified by the start parameter (if the specified byte is not a key frame)	http://www.test.com/demo.flv?start=10  means the video will be played from the 10th byte
TS	No special requirements	The start parameter specifies a time (in seconds) and uses decimal to specify millisecond (for example start=1.01 means the starting time is 1.01s). CDN will locate the last key frame before the time specified by the start parameter (if the specified time is not a key frame)	http://www.test.com/demo.ts?start=10  means the video will be played from the 10th second

## Default Configuration

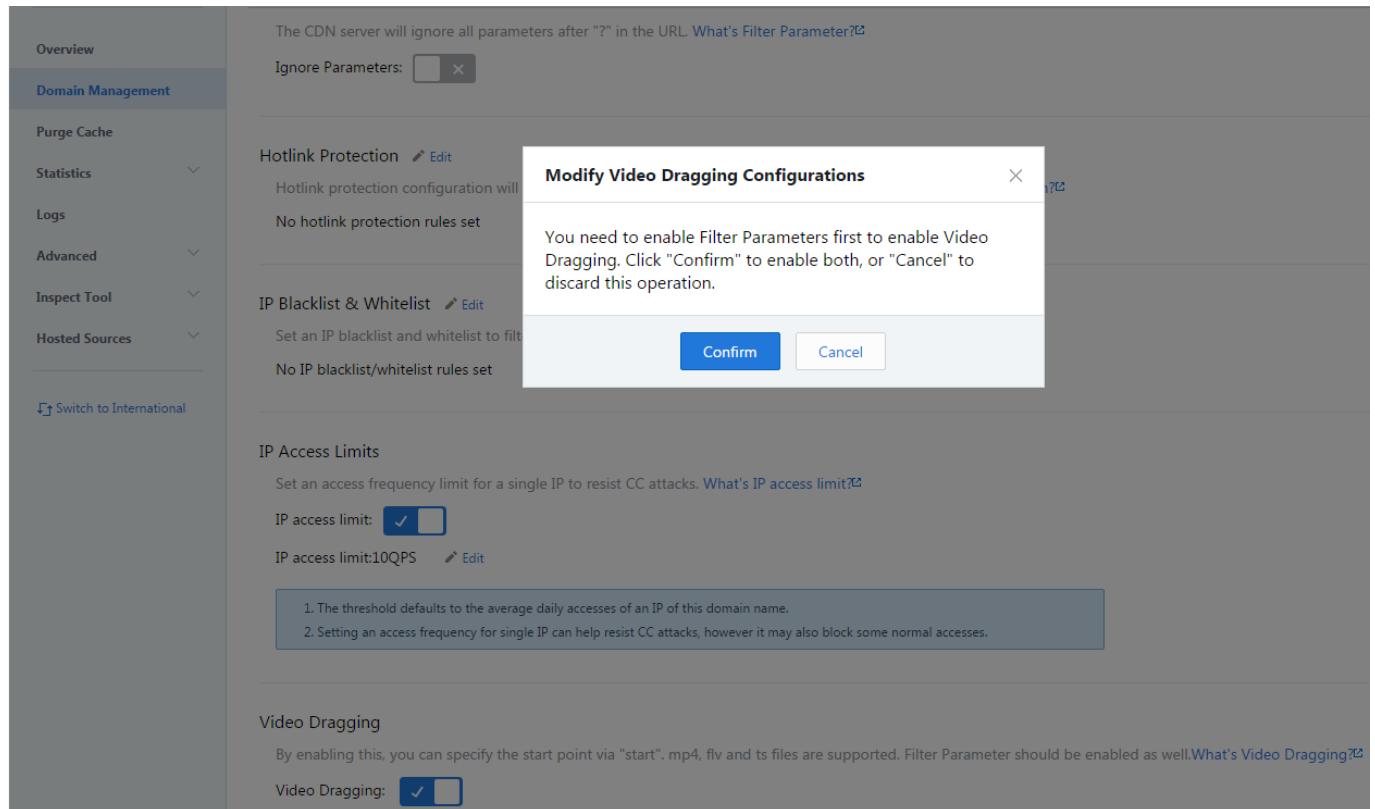
By default, video dragging configuration is disabled.



## Enabling Video Dragging

Video dragging configuration is located in Access Control in domain management.

If parameter filtering is disabled, it will be **automatically** enabled when video dragging has been enabled.



## Cache Expiration

### Overview

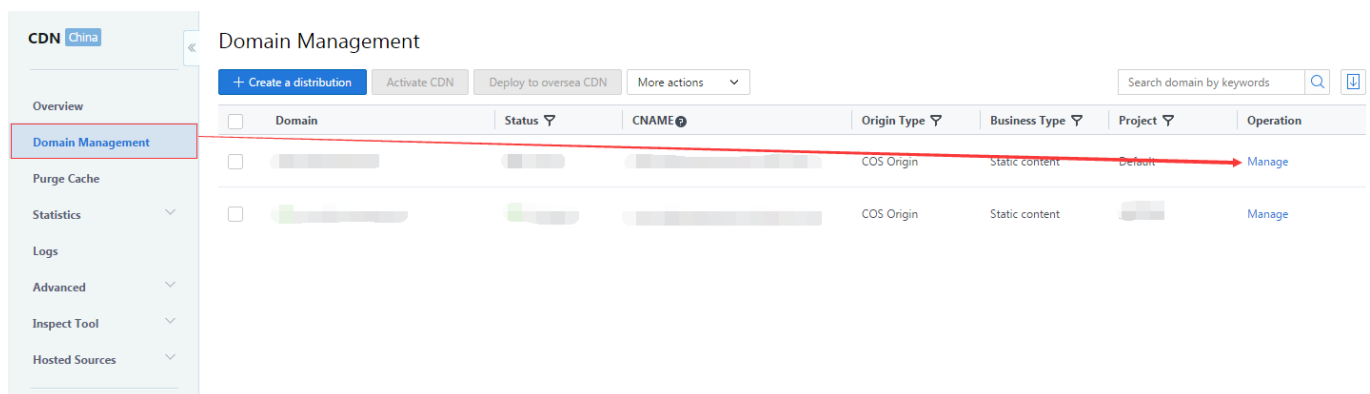
Cache expiration configuration refers to a set of expiration policies the CDN acceleration nodes should follow when caching your business contents.

User resources cached on CDN nodes all have a "Expiration Time". If a resource cached on a node is not expired, when a user request for the resource reaches the node, the node will directly return the cached resource to the user to speed up the resource acquisition; If a resource is beyond the set validity period and thus becomes expired, the node will forward the user request for the resource to the origin server, reacquire and cache the resource, then return it to the user.

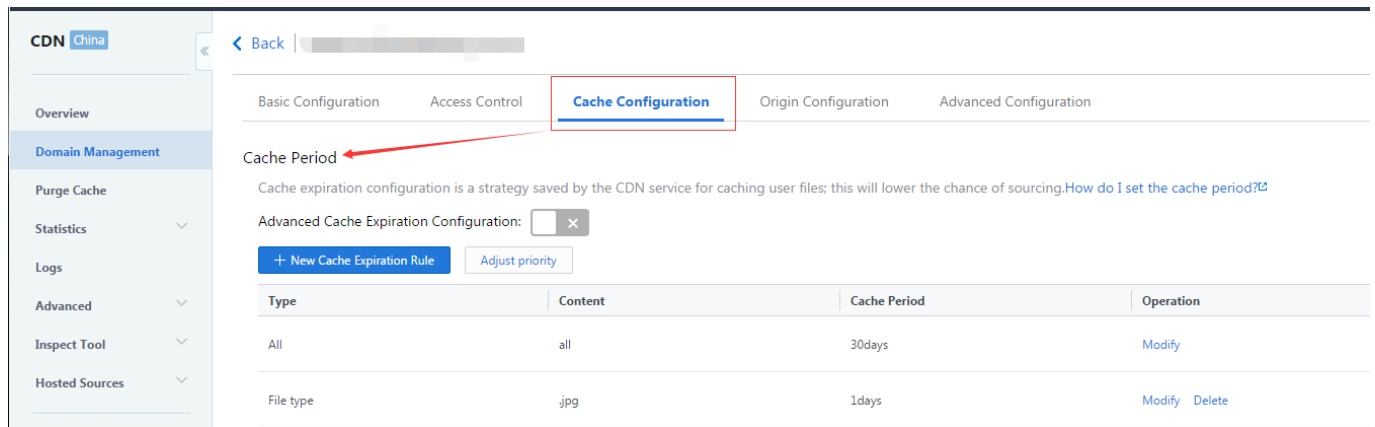
A reasonable cache validity period can effectively improve the resource hit rate and reduce back-to-origin rate, achieving a saving in bandwidth. Tencent Cloud CDN supports cache validity period settings at various dimensions, custom priority adjustment and cache inheritance policies (advanced cache configuration).

### Configuration Instructions

Log in to [CDN Console](#) and go to "Domain Management" page. Then click Manage button to the right of the domain name to enter the management page:



You can find Cache Expiration Configuration in "Cache Configuration":



## Default Configuration

Default configuration is as follows when a domain is connected:

- Own origin domain connection: By default, the cache validity period for all files is 30 days, except general dynamic files (such as .php, .jsp, .asp, .aspx), for which the cache validity period is 0 by default, which means any request for such files will be directly forwarded to the origin server;
- COS origin domain connection: By default, the cache validity period for all files is 30 days;
- Advanced cache expiration configuration is disabled by default.

You may modify the default settings mentioned above.

## Custom Configuration

You can make cache validity period settings in addition to the default settings base on your business needs. CDN supports three settings:

### Setting cache validity period by file types

You can set cache validity period by file types by entering the filename extensions, as shown below:

.jpg .png 300 seconds

In this case, all picture resources matching .jpg and .png under the domain will be cached for 5 minutes on the node.

#### Setting cache validity period by folders

You can set cache validity period by folders by entering the folder path, as shown below:

```
/test;/test2 1000 seconds
```

In this case, if the domain is "www.test.com", all resources under "www.test.com\test\" and "www.test.com\test2\" will be cached for 1000 seconds on the node.

#### Setting cache validity period based on full path of file

You can set cache validity period for a certain file, as shown below:

```
/test/1.jpg 2000 seconds
```

In this case, if the domain is "www.test.com", the resource "www.test.com\test\1.jpg" will be cached for 2000 seconds.

You can also set cache validity period for a certain type of files, as shown below:

```
/test/*.jpg 3000 seconds
```

In this case, if the domain is "www.test.com", all resources with a jpg format under "www.test.com/test\" will be cached for 3000 seconds.

Note:

- You can set multiple cache validity periods at a time, with the entries separated by ";". The entries are case-sensitive;
- File types must be specified as extensions starting with ".", such as ".jpg"; Folder types must begin with "/", such as "/12345/test", instead of ending with "/";
- A maximum of 10 custom entries can be added, each of which can only contain 150 characters;
- Cache validity period can be set to any number of seconds in the form of an integer, "0" means resource will not be cached;
- When you are setting caching policies based on full path of file, "\*" can only be used to match a certain type of files. Other regular expression matching methods are not supported currently;
- The home page type ending with "/" is not supported in the setting of caching policies based on full path of file.

## Priority

### Matching Sequence

When multiple caching policies are set, the priorities of the entries are determined on a bottom-to-top basis, with the entry at the bottom of list having the highest priority and the one at the top having the lowest priority. For example, if the following caching policies are set for a domain:

```
All files 30 days
.php .jsp .aspx 0 second
.jpg .png .gif 300 seconds
/test/*.jpg 400 seconds
/test/abc.jpg 200 seconds
```

If the domain is "www.test.com", and the resource is "www.test.com/test/abc.jpg", the matching rule will be as follows:

1. Match with the first entry. It is hit, so the cache validity period is 30 days;
2. Match with the second entry. It is not hit;
3. Match with the third entry. It is hit, so the cache validity period is 300 seconds;
4. Match with the fourth entry. It is hit, so the cache validity period is 400 seconds;
5. Match with the fourth entry. It is hit, so the cache validity period is 200 seconds;

The final cache validity period is subject to the last matching result, 200 seconds.

## Changing Priority

You can customize the order of existing cache validity period entries according to your business needs. Click Adjust priority above the cache validity period entries:

### Cache Period

Cache expiration configuration is a strategy saved by the CDN service for caching user files; this will lower the chance of sourcing.[How do I set the cache period?](#)

Advanced Cache Expiration Configuration: ☐ ×

+ New Cache Expiration Rule Adjust priority

Type	Content	Cache Period	Operation
All	all	30days	<a href="#">Modify</a>
File type	.jpg	1days	<a href="#">Modify</a> <a href="#">Delete</a>

Use the up and down arrows on the right to change the order of cache validity period entries, then click Save:










## Cache Period

Cache expiration configuration is a strategy saved by the CDN service for caching user files; this will lower the chance of sourcing. [How do I set the cache period?](#)

Advanced Cache Expiration Configuration: ☐ ×

[+ New Cache Expiration Rule](#)

[Adjust priority](#)

Type	Content	Cache Period	Operation
All			
File type			
File type			

Define priority by sequence of items in the list. The lower items are with higher priorities. [How do I adjust priority?](#)

[Save](#)

[Cancel](#)

## Cache Inheritance

When a user makes a request for a certain business resource, the origin server's Response HTTP Header will include the cache-control field. The default policy is as follows:

- If the cache-control field is max-age, the cache validity period for this resource is subject to the one set for the resource, instead of inheriting the value specified by max-age;
- If the cache-control field is no-cache or no-store, the CDN node will not cache the resource.

## Advanced Cache Configuration

The Advanced cache expiration Configuration switch above the cache expiration configuration list can provide the following features when enabled.

When a user requests for a certain resource from the origin server and the Response HTTP Header includes the cache-control field with a value of max-age=xxxx, the cache validity period for the resource on the node will be subject to the smaller one between the set validity period and max-age:

- For example, If the max-age set for the /index.html of the origin server is 200 seconds and the cache validity period set for CDN is 600 seconds, the actual cache validity period for the file is 200 seconds;
- If the max-age set for the /index.html of the origin server is 800 seconds and the cache validity period set for CDN is 600 seconds, the actual cache validity period for the file is 600

seconds;

When advanced cache configuration is enabled, if Cache-Control field does not exist in the Response Header of your origin server, CDN will add the "Cache-Control:max-age=600" header by default.

## Caching based on status codes

In addition to the cache policies mentioned above, CDN nodes will also use the following default cache policies based on status codes when requesting for resources from the origin server:

- 2XX: Use normal cache policies;
- 3XX: Resources are not cached by default;
- 4XX: Resources are cached for 10 seconds in case of status code 404. In other cases, they're not cached by default;
- 5XX: Resources are not cached by default.



## Back-to-origin Configurations

### Set Intermediate Server

#### Overview

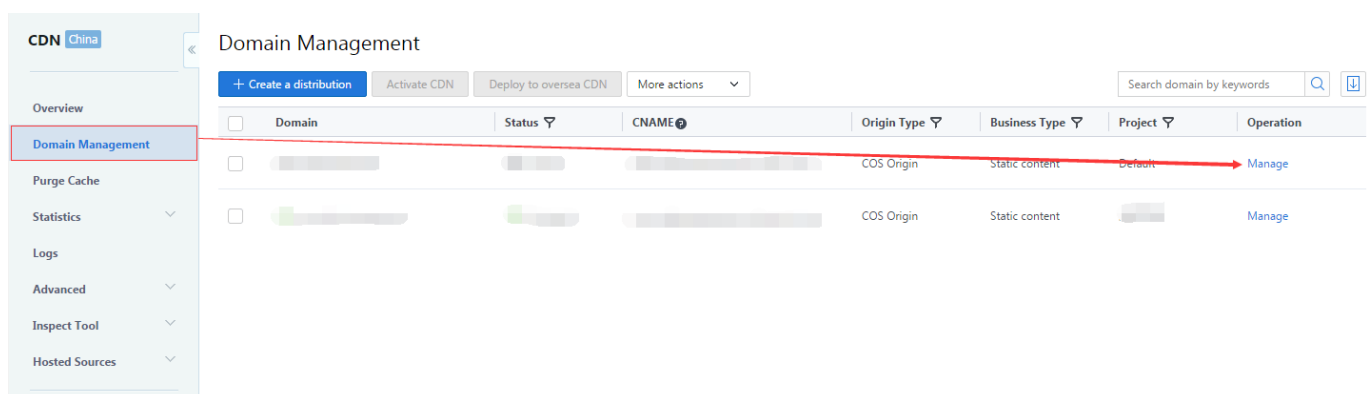
An intermediate node can be considered as a secondary cache node. When a user sends a request, it will first reach the edge node. If this node doesn't have the requested resource, it will send request to the intermediate node, which will then send the request to the origin server if it still does not have the requested resource.

Once intermediate node is enabled, access requests to origin from users will be converged at this node. The node will then acquire the requested data from the origin in a centralized manner, reducing the pressure on the origin server.

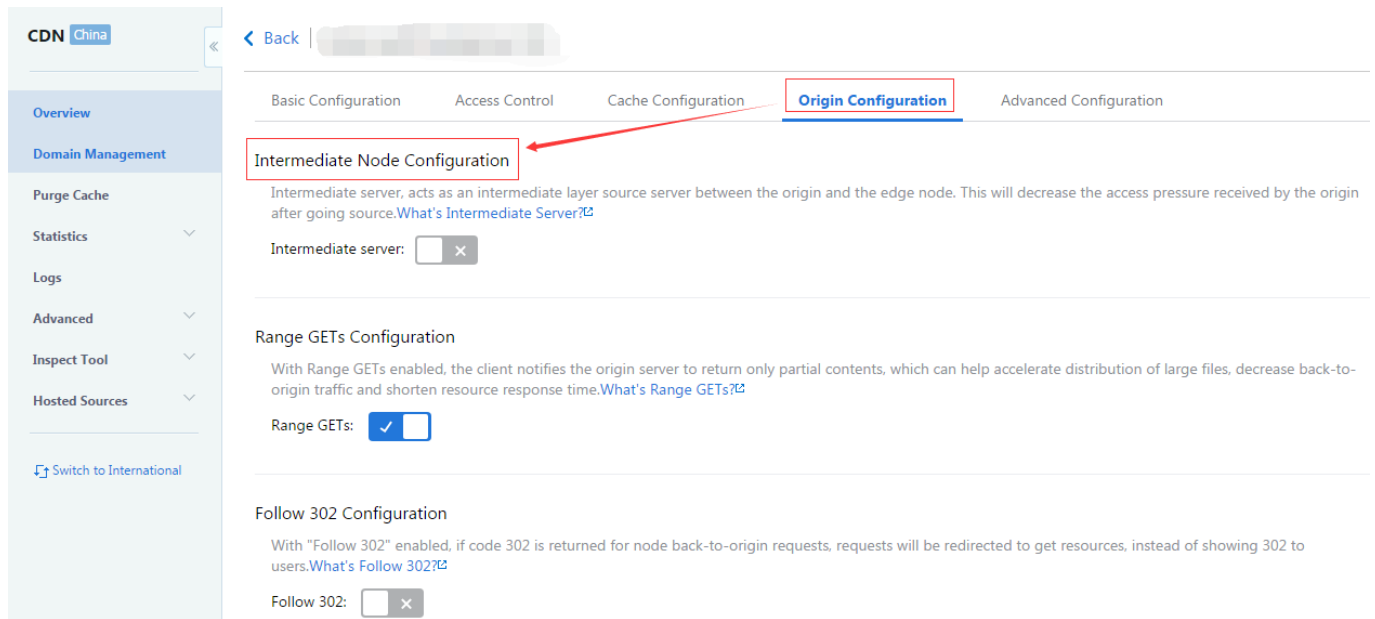
**It is recommended to enable intermediate node in order to improve your CDN acceleration and reduce back-to-origin bandwidth.**

## Configuration Instructions

Log in to [CDN Console](#) and go to "Domain Management" page. Then click Manage button to the right of the domain name to enter the management page:



Go to Intermediate Node Configuration under "Origin Configuration" to enable intermediate node:



CDN China

< Back

Basic Configuration Access Control Cache Configuration **Origin Configuration** Advanced Configuration

**Intermediate Node Configuration**

Intermediate server, acts as an intermediate layer source server between the origin and the edge node. This will decrease the access pressure received by the origin after going source. [What's Intermediate Server?](#)

Intermediate server: ☐ ×

Range GETs Configuration

With Range GETs enabled, the client notifies the origin server to return only partial contents, which can help accelerate distribution of large files, decrease back-to-origin traffic and shorten resource response time. [What's Range GETs?](#)

Range GETs: ☒

Follow 302 Configuration

With "Follow 302" enabled, if code 302 is returned for node back-to-origin requests, requests will be redirected to get resources, instead of showing 302 to users. [What's Follow 302?](#)

Follow 302: ☐ ×

The intermediate node configuration is disabled by default.

## Configure Range GETs

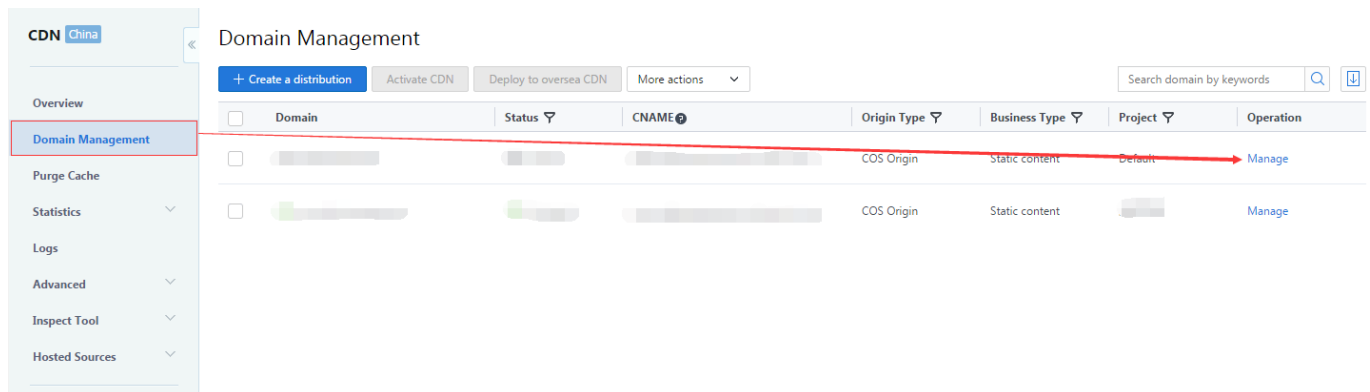
### Overview

CDN provides Range GETs Configuration feature which can effectively reduce back-to-origin rate of large files and improve response speed.

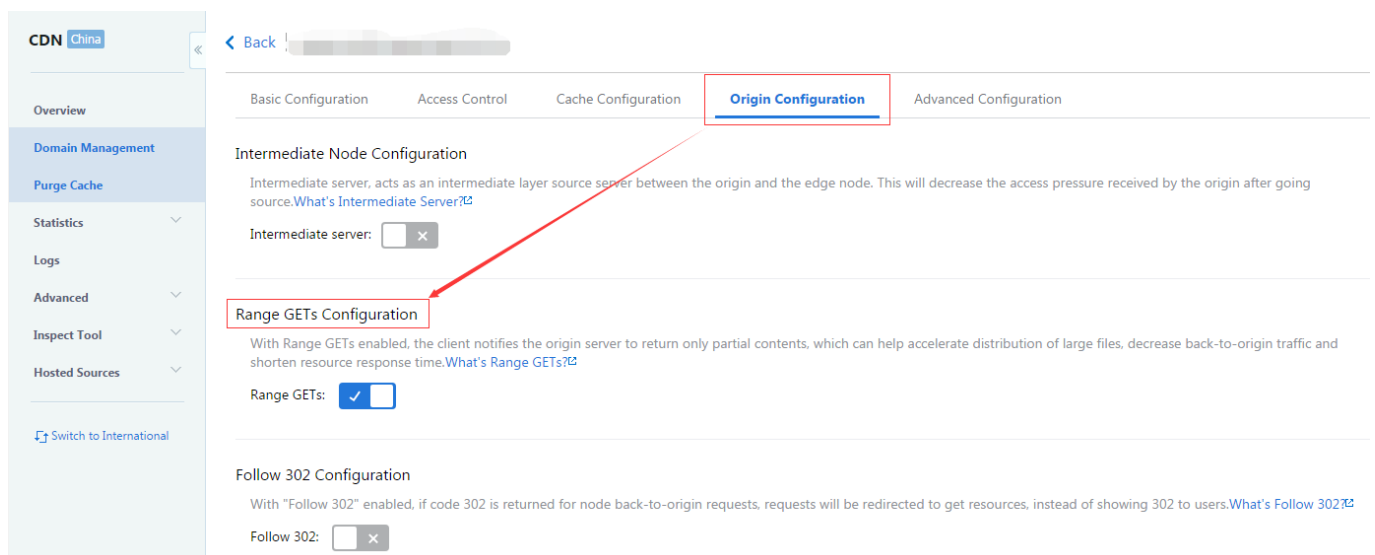
The origin server is required to support Range requests

### Configuration Instructions

Log in to [CDN Console](#) and go to "Domain Management" page. Then click Manage button to the right of the domain name to enter the management page:



You can find Range GETs Configuration in "Origin Configuration":



## Default Configuration

By default, Range GETs Configuration is Enabled.

## Result of Configuration

If a user makes a request for resource:

`http://www.test.com/test.apk`

when the node receives the request and finds out that the cached test.apk has expired, it will send a back-to-origin request.

When Range GETs Configuration is enabled:

- The node will use a Range back-to-origin request to acquire the resource in slices.
- If the request sent from the user is also a Range request, when the slices stored on the node meet the condition, they will be directly returned to the user, who needs not to wait for all slices.

When Range GETs Configuration is disabled:

- The node will get the entire resource directly from the origin server

Note:

- The origin server is required to support Range requests, otherwise the back-to-origin request will fail;
- If the resource has never been cached on this node, the resource will not be returned in slices for the initial back-to-origin request;
- When Range GETs Configuration is enabled, resources will be cached in slices on the node, but all slices have the same cache expiration time and follow the cache expiration rule specified by the user.

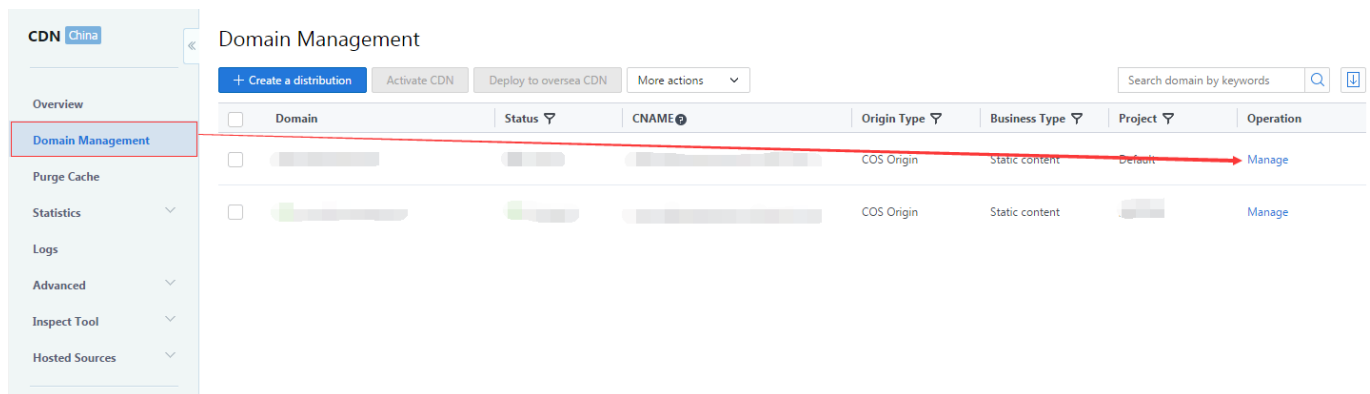
## Configure Follow 302

### Overview

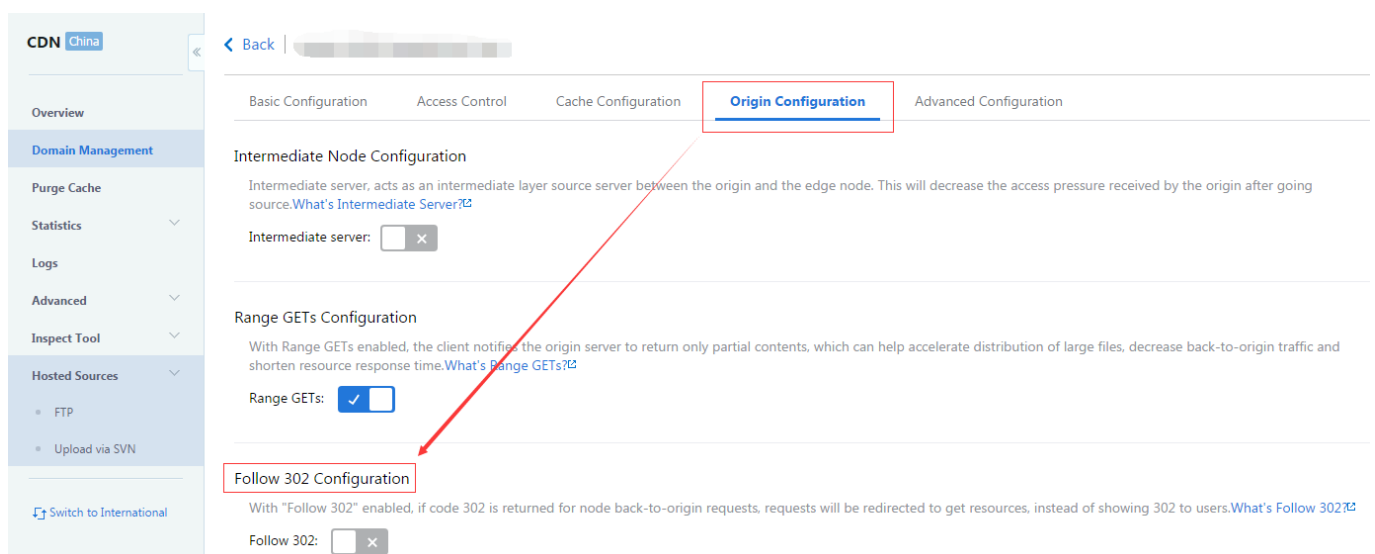
CDN provides "Follow 302 Configuration" feature.

### Configuration Instructions

Log in to [CDN Console](#) and go to "Domain Management" page. Then click Manage button to the right of the domain name to enter the management page:



You can find Follow 302 Configuration in "Origin Configuration":



### Default Configuration

By default, Follow 302 Configuration is disabled.

## Result of Configuration

For example, if a user requests for resource

<http://www.test1.com/1.jpg>

and the resource isn't cached on the node, the node will request to acquire the resource from the origin server. If the HTTP Response status code sent from the origin server is 302, the request will be redirected to

<http://www.test2.com/2.jpg>

.

When Follow 302 Configuration is disabled:

- Since the resource is not cached in case of status code 302, the node will directly transmit the HTTP Response to the user.
- When a user sends request to

<http://www.test2.com/2.jpg>

, there will be no acceleration if this domain is not connected to CDN.

- If another user sends a request to

<http://www.test1.com/1.jpg>

at this point, the above process will be repeated.

When Follow 302 Configuration is enabled:

- When Follow 302 Configuration is enabled, the node will directly request for the resource if it

receives the status code 302 as HTTP Response.

- The resource will be acquired, cached to the node and then returned to the user.
- If another user also sends a request for

`http://www.test2.com/1.jpg`

, the resource will be hit on this node.

Note:

- When Follow 302 Configuration is enabled, a maximum of 3 redirections are allowed. If the limit is exceeded, status code 302 will be returned directly to the user.

# Configure Bandwidth Cap

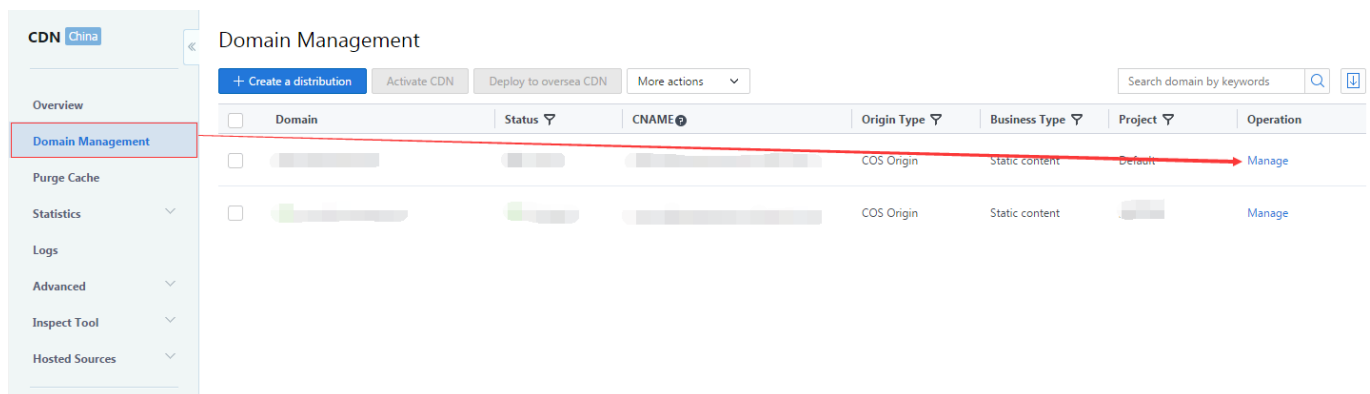
## Overview

You can configure a bandwidth cap for the domain. When the bandwidth of the domain exceeds this cap within a statistical point (5 minutes), all access requests will be forwarded back to the origin server or the CDN service will be disabled, depending on your configuration (in either of the cases, a 404 error will be returned for all access requests).

When the bandwidth cap is reached, the domain will go into **Disabled** status whether it is set to forward the access request back to origin server or to return the 404 status code. It takes about **5 to 15 minutes** for the behavior of back-to-origin/returning 404 to take effect.

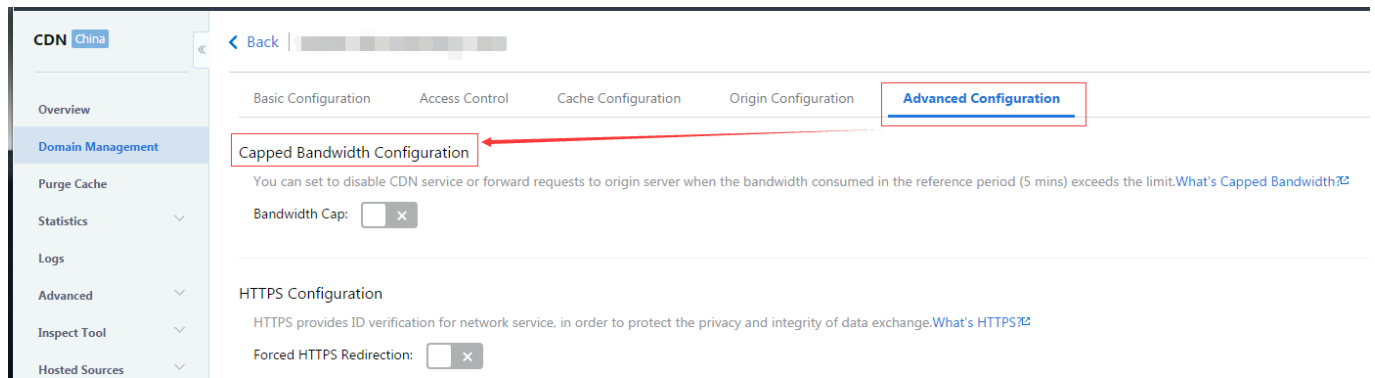
## Configuration Instructions

Log in to [CDN Console](#) and go to Domain Management page. Then click the Manage button to the right of the domain name whose configuration is to be modified:



You can find Capped Bandwidth Configuration in Advanced Configuration:



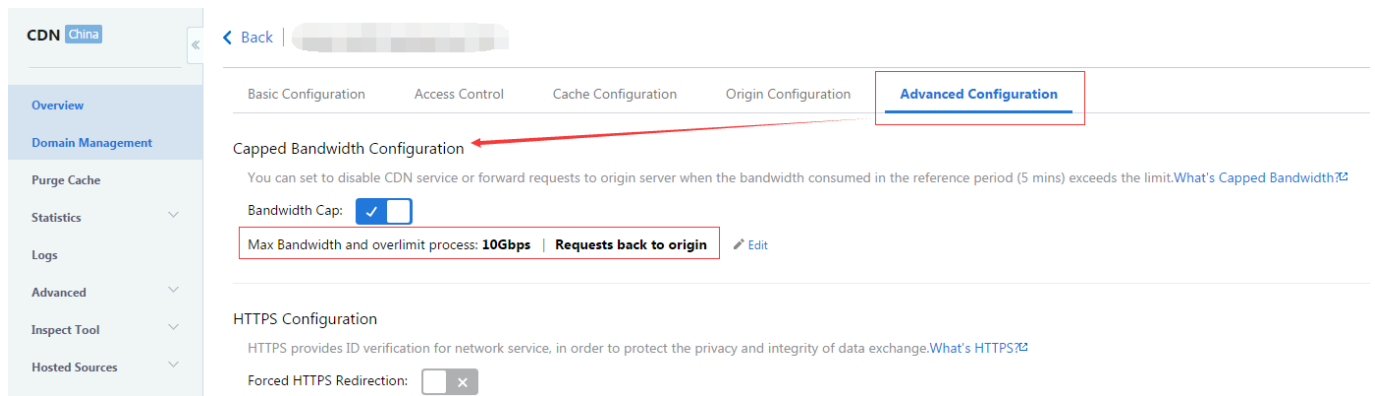


## Default Configuration

By default, capped bandwidth configuration is disabled.

## Configuring the Threshold

When capped bandwidth configuration is enabled, by default, the bandwidth cap is 10Gbps and when the cap is reached, "access request is forwarded to origin server":



You can modify the cap as well as how to process user requests when it is reached:

### Configure Capped Bandwidth



CDN service will be disabled when the bandwidth consumed in the reference period (5 mins) exceeds the limit.  
You can go to Domain Name Management to activate the domain and recover CDN service.

Max Bandwidth

Gbps

If over limit

☒ Requests back to origin

☐ Return 404

OK

Cancel

### Note

- If the domain is disabled because the bandwidth cap is reached and you wish to continue using CDN service, you can manually activate the domain in the Domain Management page of the CDN console;
- If your purpose is to prevent strong DDoS attacks, it is recommended to set to "return 404 for access request" to protect your origin server;
- If your purpose is to control CDN service cost, it is recommended to set to "forward access request to origin server" to prevent your service from being affected.

# Configure HTTPS

## Overview

HTTPS (Hypertext Transfer Protocol Secure) is a security protocol built on HTTP protocol to be used for encrypted communication and can effectively ensure data transmission security. When configuring HTTPS, you need to provide the certificate for your domain and deploy it across all CDN nodes on the entire network to achieve encrypted data transmission across the network.

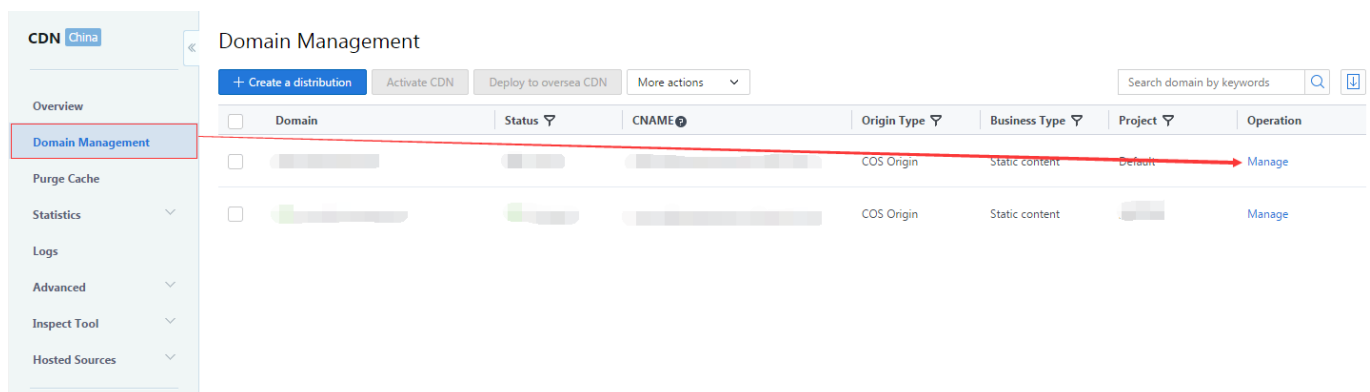
HTTPS configuration is now completely available for you.

## Configuration Instructions

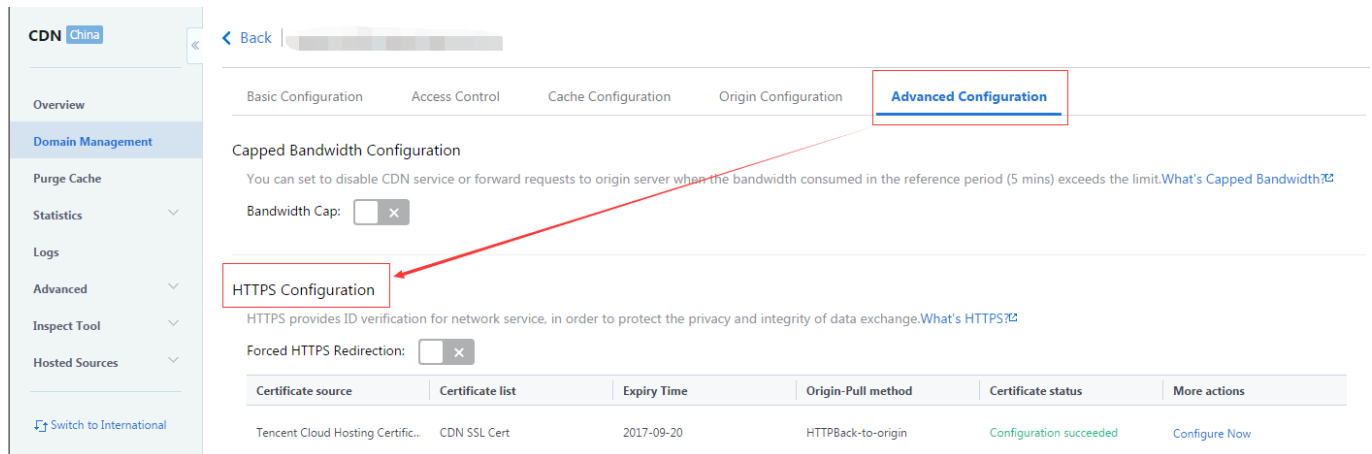
HTTPS configuration is only available to domains which meet the following conditions:

- Domain status is Deploying or Activated in "Domain Management" page;
- It is not a COS-synchronized domain with ".file.myqcloud.com" as suffix;
- Domain's connection method is Self-owned origin, COS origin or FTP origin;

Log in to [CDN Console](#) and go to "Domain Management" page. Then click Manage button to the right of the domain name to enter the management page:



Go to "Advanced Configuration" and find "HTTPS Configuration"



## Certificate Types

Tencent Cloud currently supports two certificate deployment methods:

- Self-owned certificate: Upload self-owned certificate and private key to CDN for deployment. Transmission is encrypted throughout the process to ensure security of your certificate;
- Tencent Cloud-hosted certificate: You can go to SSL Certificate Management and trust your certificate to Tencent Cloud to use it for multiple cloud products. You can also apply for a Free Certificate provided by TrustAsia through this platform and deploy it directly to CDN;
- Tencent Cloud certificate: The original ".qcloudcdn.com" domain suffix belongs to Tencent Cloud and uses Tencent Cloud certificate. The entrance for adding this certificate has been closed.

## Certificate Management

Go to [Certificate Management](#) page to add, modify or delete certificates. For more information, refer to [Certificate Management Instructions](#).

## Forced HTTPS

The Forced Redirect button will appear when the certificate is successfully configured. When it is enabled, any HTTP request made by the user will be redirected to HTTPS for access:

CDN China

Overview

Domain Management

Purge Cache

Statistics

Logs

Advanced

Inspect Tool

Hosted Sources

Switch to International

Basic Configuration Access Control Cache Configuration Origin Configuration **Advanced Configuration**

**Capped Bandwidth Configuration**

You can set to disable CDN service or forward requests to origin server when the bandwidth consumed in the reference period (5 mins) exceeds the limit. [What's Capped Bandwidth?](#)

Bandwidth Cap: ☐ ☐

**HTTPS Configuration**

HTTPS provides ID verification for network service, in order to protect the privacy and integrity of data exchange. [What's HTTPS?](#)

**Forced HTTPS Redirection:** ☐ ☐

Certificate source	Certificate list	Expiry Time	Origin-Pull method	Certificate status	More actions
Tencent Cloud Hosting Certific...	CDN SSL Cert	2017-09-20	HTTPBack-to-origin	Configuration succeeded	<a href="#">Configure Now</a>

The feature is only available after HTTPS certificate is successfully configured

## HTTP2.0

If you already obtained the qualifications of HTTP 2.0 closed beta, you can open HTTP2.0 after finish the configuration of HTTPS certificate:

CDN China

Overview

Domain Management

Purge Cache

Statistics

Logs

Advanced

Inspect Tool

Hosted Sources

Switch to International

Basic Configuration Access Control Cache Configuration Origin Configuration **Advanced Configuration**

**Capped Bandwidth Configuration**

You can set to disable CDN service or forward requests to origin server when the bandwidth consumed in the reference period (5 mins) exceeds the limit. [What's Capped Bandwidth?](#)

Bandwidth Cap: ☐ ☐

**HTTPS Configuration**

HTTPS provides ID verification for network service, in order to protect the privacy and integrity of data exchange. [What's HTTPS?](#)

**Forced HTTPS Redirection:** ☐ ☐

Certificate source	Certificate list	Expiry Time	Origin-Pull method	Certificate status	More actions
Tencent Cloud Hosting Certific...	CDN SSL Cert	2017-09-20	HTTPBack-to-origin	Configuration succeeded	<a href="#">Configure Now</a>

**HTTP2.0 Configurations**

Please configure a HTTPS certificate first to enable this configuration. [What's HTTP2.0?](#)

HTTP2.0: ☒

# SEO Optimization

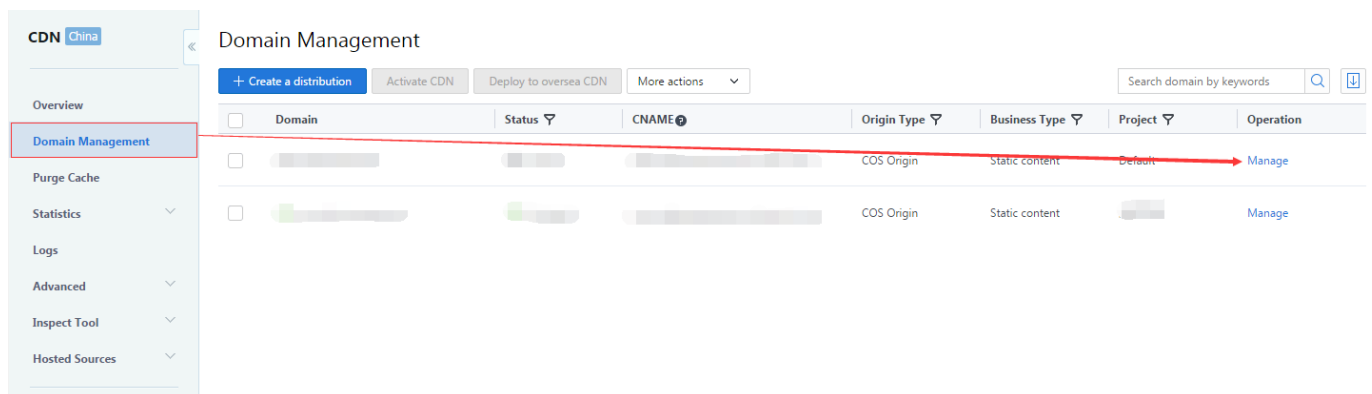
## Overview

SEO optimization configuration is designed to deal with the problem that the domain authority on search engines will be affected by the frequent changes of IP address made by CDN following the connection of domain to CDN. By identifying whether the accessing IP belongs to a search engine and allowing users to choose to access resources directly from origin server, the feature can ensure a consistent domain authority on search engines.

Once SEO optimization configuration feature is enabled, requests from search engines will be directed to the origin server while other requests will access the CDN node normally.

## Configuration Instructions

Log in to [CDN Console](#) and go to "Domain Management" page. Then click Manage button to the right of the domain name to enter the management page:



You can find SEO Optimization in "Advanced Configuration":

CDN China

Overview

Domain Management

Purge Cache

Statistics

Logs

Advanced

Inspect Tool

Hosted Sources

Switch to International

Basic Configuration Access Control Cache Configuration Origin Configuration **Advanced Configuration**

### Capped Bandwidth Configuration

You can set to disable CDN service or forward requests to origin server when the bandwidth consumed in the reference period (5 mins) exceeds the limit. [What's Capped Bandwidth?](#)

Bandwidth Cap: ☒

Max Bandwidth and overlimit process: **1Kbps** | **Requests back to origin** [Edit](#)

### HTTPS Configuration

HTTPS provides ID verification for network service, in order to protect the privacy and integrity of data exchange. [What's HTTPS?](#)

[+ Configure Now](#)

### HTTP2.0 Configurations

Please configure a HTTPS certificate first to enable this configuration [What's HTTP2.0?](#)

HTTP2.0: ☐

### SEO optimization

Enable Pull Source for Search Engine to ensure stable search engine weights [What's SEO configuration?](#)

Pull Source for Search Engine: ☐

- SEO optimization is only available when connection method is "Own origin". Once SEO optimization is enabled, if the domain has multiple origin server addresses, the default origin address for back-to-origin requests will be the first one added;
- If the CNAME of the current domain is an old CNAME (as shown below), you need to update it to a new CNAME to use SEO optimization configuration feature.

#### SEO optimization

Enable Pull Source for Search Engine to ensure stable search engine weights [What's SEO configuration?](#)

Pull Source for Search Engine: ☐

CNAME of current domain name: [fast.cdnntp.comis](#) is an old CNAME. Please do the following to change to a new CNAME and configure SEO optimization:

1. Please submit a workflow to change the CNAME of domain name to the new CNAME [cdn.dnsv1.com](#) ;
2. Please change your CNAME resolution at your domain name provider: [cdn.dnsv1.com](#) ;

#### How to update CNAME:

- Submit a ticket to request to change the CNAME of the domain to a new one;
- Go to your domain resolution service provider and switch the CNAME resolution of the domain to a new CNAME;

Note: Due to the frequent updating of IP addresses for search engines, Tencent Cloud CDN can only ensure to identify the majority of search engine IP addresses.

# Configure HTTP Header

## Overview

Generally, there are two types of HTTP messages:

- Request message sent from client to server
- Response message sent from server to client

Both types of the messages consist of a start line, one or more header fields, a blank line indicating the end of header field, and optionally, a message body. There are four types of HTTP header fields: general header, request header, response header and entity header. Each header field consists of a name (Key), colon (:) and a Value.

Tencent Cloud provides HTTP Header Configuration which allows such features as cross-domain access by **adding** configured header field in the returned response message when your user requests for service resource.

Note:

- If resource is not hit at a node, the request will go back to origin. In this case, the header information returned from origin server will be returned to user altogether; If resource is hit in the cache at a node, CDN will return cached Access-Control-Allow-Origin, Timing-Allow-Origin, Content-Disposition and Accept-Ranges header information of the origin server to the user by default. If you wish to cache all of headers from origin, please submit a ticket and request for manual configuration support;
- HTTP Header configuration is specific to a domain. Once the configuration takes effect, the configured header field will be added to user's response messages to any of the resources under this domain;
- Configuring HTTP Header will only affect the response behaviors of the client (such as browser), and will not affect caching behaviors of CDN nodes;
- **By default, CDN will inherit Access-Control-Allow-Origin and Content-Disposition header fields from the origin server, please avoid configuring origin server and CDN at the same time.**



## Configuration Instructions

CDN provides the following five header field configurations:

- Content-Disposition: Enable customized resource downloading configuration and default file name upon downloading;
- Content-Language: Specify resource response language at the client (such as browser);
- Access-Control-Allow-Origin: Specify the request origins allowed to access the resource for a cross-domain request;
- Access-Control-Allow-Methods: Specify the request methods allowed for a cross-domain request;
- Access-Control-Max-Age: Specify the maximum time span during which the returned result of pre-request for a particular resource is cached for a cross-domain request.

### General Configurations

#### Content-Disposition

Content-Disposition is used to enable the downloading of browser and set the default name for the downloaded file. If the type of the file sent from server to client browser is supported by the browser (such as txt, jpg), the file will be directly opened in the browser by default. If you want the user to be prompted to save the file, you can configure Content-Disposition field to override browser's default behavior. Common configurations are shown below:

Content-Disposition : attachment;filename=FileName.txt

#### Content-Language

Content-Language is used to define the language code used in the page. Common configurations are shown below:

Content-Language: zh-CN

Content-Language: en-US

## Cross-domain Configurations

Cross-domain means that the resource from one domain (for example, [www.abc.com](http://www.abc.com)) makes a request for a resource under another domain (for example, [www.def.com](http://www.def.com)). Since the resources belong to different domains, this is considered cross-domain. Moreover, different protocols or different ports will also cause cross-domain access. When this happens, cross-domain related configurations need to be added in the Response Header, so that the resource making the request can get the data it wants.

### Access-Control-Allow-Origin

Access-Control-Allow-Origin is used to solve cross-domain permission issues for resources. The field value defines which domains are allowed to reference this resource. You can also set wildcard "\*" to allow all domains to reference the resource. Common configurations are shown below:

Access-Control-Allow-Origin: \*

Access-Control-Allow-Origin:

<http://www.test.com>

### Note:

- Wildcard domain names are not supported (such as \*.qq.com)
- Either use "\*" or specify a URI

- Please add http:// or https:// as prefix when configure specified domain name;

### Access-Control-Allow-Methods

You can configure multiple allowed cross-domain request methods using Access-Control-Allow-Methods:

Access-Control-Allow-Methods: POST, GET, OPTIONS

### Access-Control-Max-Age

Access-Control-Max-Age specifies the valid time of pre-request.

For non-simple cross-domain requests, an additional HTTPS query request ("pre-request") is needed before the formal communication to check whether the cross-domain request is secure and acceptable. In any of the following situations, the request will be considered as a pre-request:

- The request is initiated using a method other than GET, HEAD or POST or it is initiated using POST with a data type other than application/x-www-form-urlencoded, multipart/form-data and text/plain, such as application/xml or text/xml;
- A custom request header is used.

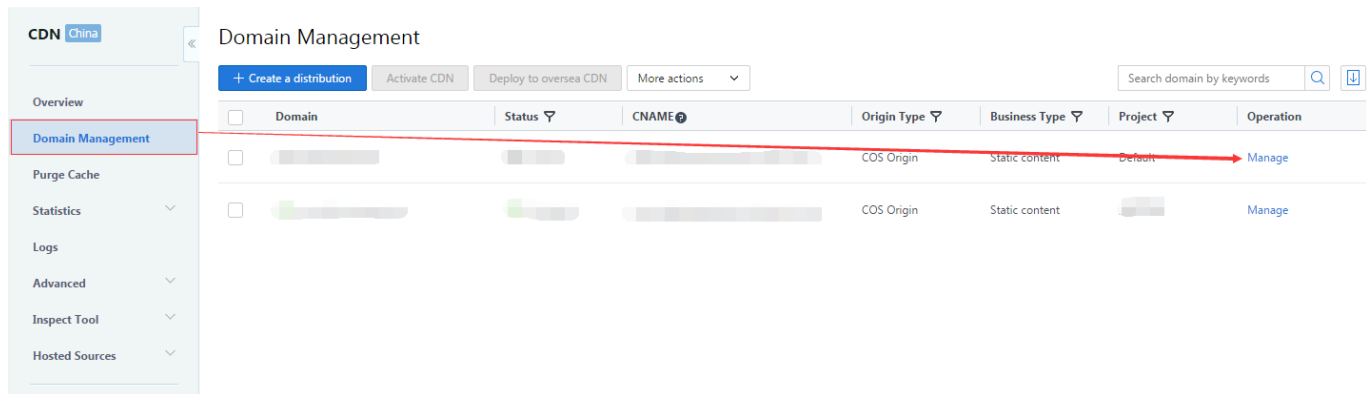
Access-Control-Max-Age is measured in second. Here is a configuration example:

Access-Control-Max-Age: 1728000

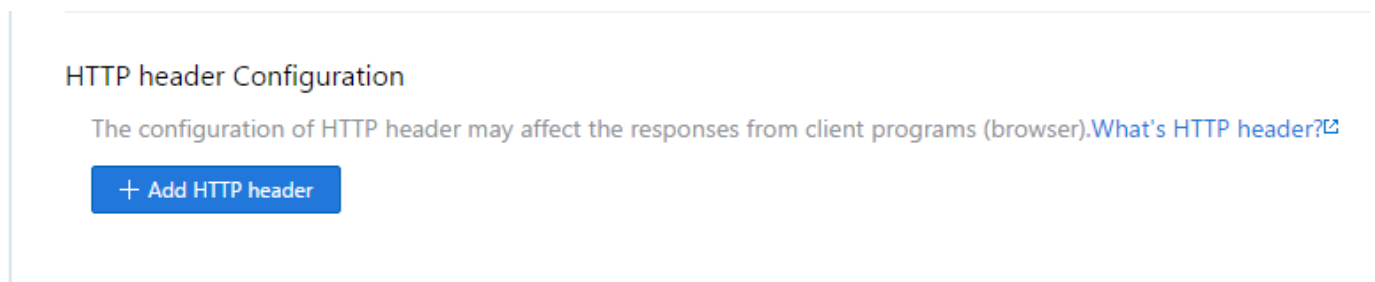
This indicates no more pre-request will be sent for the cross-domain access to this resource within 1,728,000 seconds (20 days).

## Configuration Process

Log in to [CDN Console](#) and go to "Domain Management" page. Then click Manage button to the right of the domain name to enter the management page:



Go to "Advanced Configuration" and find "HTTP header Configuration", then click "Add HTTP header":



Select the header to add and complete the configuration for it. You can add multiple headers at a time, but the same header can only be added once:

**Set HTTP header** ×

Parameters	Value	Operation
Access-Control-Allow-Origin <span>▼</span>	* or a domain, like http(s)://www.abc.com	
Access-Control-Allow-Methods <span>▼</span>	Request type, e.g. GET, POST, OPTIONS	Delete
<a href="#">+ New parameter</a>		

OK Cancel

Click OK to complete configuration. It will take about 5 minutes for the configuration to take effect:

#### HTTP header Configuration

The configuration of HTTP header may affect the responses from client programs (browser).[What's HTTP header?](#)

[+ Add HTTP header](#)

Header parameter	Set	Operation
Access-Control-Allow-Origin	*	<a href="#">Modify</a>   <a href="#">Delete</a>
Access-Control-Allow-Methods	GET	<a href="#">Modify</a>   <a href="#">Delete</a>

You can also modify or delete existing headers.

## International Direct Connect

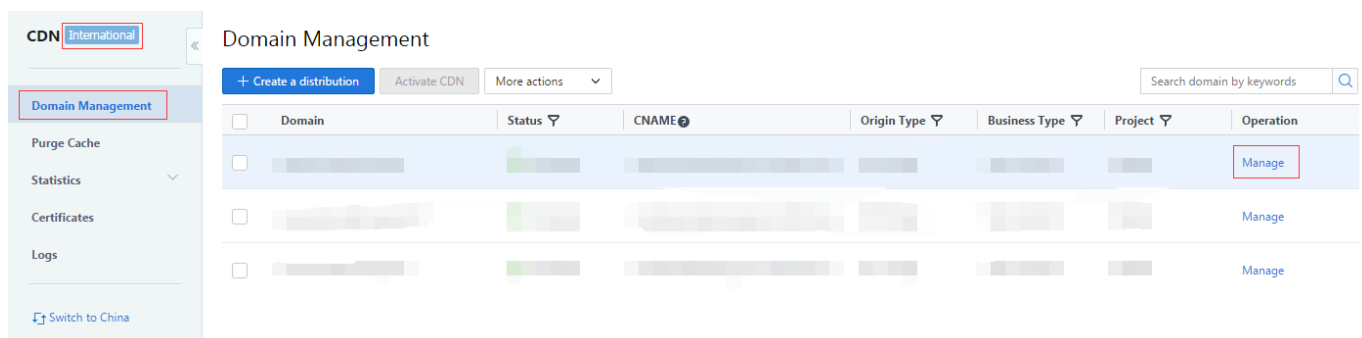
### Overview

If your origin server is located at home, an overseas acceleration often suffers unstable or slow back-to-origin connection. You can greatly improve cross-border access by using an overseas intermediate node in combination with international private line service. When a user sends a request, it will first reach the edge node. If this node does not have the requested resource, it will send a request to the overseas intermediate node. And if the requested resource is not available at the overseas intermediate node, the intermediate node will need to send a request to a level-three node at home. This cross-border request will be sent via Tencent's private network instead of the public network. If the level-three node at home still does not have the requested resource, the request will go to the origin server. Activating the international private line configuration will significantly improve your international access.

Note: You need to enable overseas intermediate node to activate international private line service. Currently, international private line service is only available for users who have activated overseas CDN acceleration. Oversea CDN acceleration service is under beta test. It will become fully available in the future.

### Configuration Instructions

Log in to CDN Console, switch to international acceleration and go to Domain Management page. Then click the Manage button to the right of the domain to be configured



You can find International Private Line in "Advanced Configuration"

The screenshot displays the Tencent Cloud Configuration Management Product interface. On the left is a sidebar with a 'CDN International' header and a 'Domain Management' section containing links for 'Purge Cache', 'Statistics', 'Certificates', and 'Logs'. A 'Switch to China' button is at the bottom of the sidebar. The main content area has a breadcrumb trail with a 'Back' link. Below this are three tabs: 'Basic Configuration', 'Advanced Configuration' (which is selected and highlighted with a red box), and 'Operation history'. Under the 'Advanced Configuration' tab, the 'Oversea Intermediate Server' section is highlighted with a red box. It contains a descriptive paragraph about the server's role and a link to 'What's overseas intermediate server?'. Below the text is a toggle switch labeled 'Oversea intermediate server:' which is currently turned off. Further down, the 'International Direct Connect' section is visible, featuring a similar descriptive paragraph and a link to 'What's International Direct Connect?'. It also has a toggle switch labeled 'International Direct Connect:' which is also turned off.

Default configuration: The intermediate node configuration is disabled by default