

Content Delivery Network

Getting Started

Product Documentation



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Getting Started

Overview

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You can connect to CDN to deliver contents on your origin server to service nodes closest to end users, which directly respond to user requests to effectively reduce user access latency and improve availability.

To configure CDN, you must sign up for a Tencent Cloud account, activate CDN, add a domain name, and configure CNAME. The steps are detailed in this document.

Step 1. Sign up for a Tencent Cloud account

If you already have a Tencent Cloud account, you can ignore this step.

[Click here to sign up](#)

Step 2. Activate the CDN service

1. Complete identity verification

Registered users must first complete identity verification in order to activate CDN. You can verify your identity in the CDN Console or Account Center. For more information on the verification process, please see [Identity verification guide](#).

[Click here to go to](#)

Basic Information		Verification Status		Help Guide
Account Alias	<input type="text"/>	Not verified	<input type="button" value="Submit for verification"/>	
Account ID	<input type="text"/>	Industry	<input type="text"/>	
APPID	<input type="text"/>			

2. Provide additional service information

Log in to the [CDN Console](#), confirm your identity verification information, select the service, and click **Next**.

✔ Identity Verification (about 1 working day) >


② Select your business scope >


③ Select Billing Method (about 2 minutes)


According to related laws and regulations, you need to select your business scope to use to CDN service.

Verification Information

Identity Verification Individual Identity Verification

Name 

Certificate type 

ID Number 

Select your business scope

Instant messaging	Search engine	Comprehensive websites	Webmail
Online News	Blog	Online ads/information	Enterprise official website
Online shopping	Online payment	Online banking	Stocks and funds
Online games	Music streaming	Online TV	Online photo albums
Downloading	Recruitment websites	Online dating	Online real estates
Online education	Website construction	WAP	other

[Next](#)

3. Select a billing method

CDN provides two billing methods: bill-by-traffic and bill-by-bandwidth. You can choose according to your business type. For more information, please see [Billing Descriptions](#).

Accept the terms of service and click **Activate CDN** to start using the acceleration service.

✔ Identity Verification (about 1 working day) >

② Select your business scope >

③ Select Billing Method (about 2 minutes)

Billing method

 Bill by traffic Bill by Peak Bandwidth

Unit Price

CDN traffic price: from CNY 0.11/GB [See detailed billing instructions](#) I have read and agree to the terms of service [Tencent Cloud CDN Product Service Level Agreement](#)[Open CDN](#)[Fee calculator](#)[Back](#)

Step 3. Connect a domain name

You need to add an accelerated domain name for your acceleration service. Through accelerated domain name, CDN caches resources on an origin server into a CDN cache node closest to the client to accelerate resource access. For more information, please see [Connecting a domain name](#).

Step 4. Configure CNAME

After connecting your domain name to CDN, you need to configure the CNAME with your domain name provider. The CDN service will be available after the configuration takes effect. For more information, please see [Configuring CNAME](#).

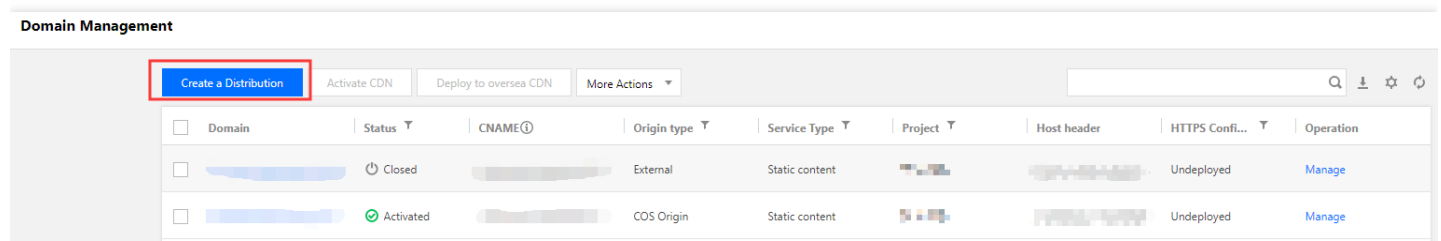
Adding Domain Names

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You can add domain names to CDN console for Tencent Cloud CDN services with the following steps:

Adding domain name

Log in to the [CDN Console](#), click **Domain Management** on the left sidebar, and click **Create Distribution**.



Enter the page for creating domain names to complete the domain name configuration. For

information about configuration descriptions, please see [Configuring domain name](#).

Domain Configuration

Domain

The origin of service domains must be the same

Project

Origin Type

IPv6 **NEW**

Origin Settings

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

Configuring domain name

Configuration Item	Description
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Configuration Item	Description
Domain Name	<p>You can add domain names in batches. A maximum of 10 domain names can be added by clicking **Add**. Domain name must meet the following conditions:</p> <ul style="list-style-type: none"> • ICP filing for the domain name has been obtained from the MIIT. <p>The domain name has never been added to Tencent Cloud CDN before. Currently, wildcard domain names can also be added, but verification is required. You can upload verification files provided by Tencent Cloud to the root directory of the website, complete verification, and then add wildcard domain names. Pay attention to the following restrictions:</p> <ul style="list-style-type: none"> • If a wildcard domain name such as *. test.com has already been connected to Tencent Cloud, its sub-domain names cannot be connected to another account. • If the wildcard domain name .test.com has already been connected to your account, wildcard domain names in formats such as .path.test.com cannot be connected to this account.
Project	<p>Select the corresponding project in **Project** to manage the domain name by project. The project is shared by all Tencent Cloud products. You can add a project in Project Management .</p>
Origin Type	<p>You can select an external origin server or COS as your origin server.</p>
Origin Settings	<p>If you already have a business server (origin server) that runs stably, you can choose to connect to CDN via your own business server. No change needs to be made to the origin server. You can connect your origin server to CDN via the CDN console and complete DNS configuration to activate the acceleration service. The IP address and domain name of the origin server should meet the following conditions:</p> <ul style="list-style-type: none"> • If a domain name is entered, it **cannot** be the same as the access domain name (i.e., the connected accelerated domain name). The "DOMAIN NAME:PORT" format is supported, and the port number should be **between 0 and 65535 (inclusive)**. • You can enter multiple IP addresses in the format of "IP:PORT", and the port number should be **between 0 and 65535 (inclusive)**. Origin-pull requests will access the IP addresses in turn. • When there are multiple IP addresses, weight can be configured in the format of IP:PORT:WEIGHT, where PORT can be omitted. In this case, the format is IP::WEIGHT, where WEIGHT ranges from 0 to 100 (for IPv4 addresses only). • The entered IP address cannot be an intranet address.

Configuration Item		Description
	COS origin server	<p>If you want to use COS to store static content for fast delivery, you can directly add the domain name of COS to CDN. Use one of the following methods to add the domain name to CDN:</p> <ul style="list-style-type: none">• If the origin server type is COS, you can enter or select the bucket domain name from the drop-down list.• If there is no bucket, you need to log into the COS Console to create one (for instructions, please see Creating Buckets). You can also ask your developer account for corresponding bucket access.• After selecting a bucket as the origin server, you can manage its content on the COS Console. <div data-bbox="453 712 1485 1234" style="border: 1px solid #add8e6; padding: 10px;"><p>Note:</p><ul style="list-style-type: none">• COS V5 is automatically used for connecting a COS origin server domain name to CDN. If you want to use a COS V4 bucket as an origin server, you need to go to the COS V4 console and enable acceleration service for the corresponding bucket.• If your COS V5 bucket is private, you need to first allow the CDN service to access the corresponding COS bucket and then enable origin-pull access. Resources in all private buckets can then be delivered over the CDN public network. Please note this creates a high security risk.</div>

Configuring the acceleration service

Select the acceleration service type and basic configuration.

Acceleration Service Configurations

Service Type

Static content ▼

The business type cannot be modified once confirmed. Please double check it before continuing.

Basic Configuration

Ignore query string ⓘ

Cache Rules

Type	Content	Purge Time	Operation
All	All contents	30 ...	
File ext ▼	.php;.jsp;.asp;.as	0 ...	Delete
Add			

Submit

1. Business Type

The business type determines the resource platform to be scheduled by the domain name. The acceleration configuration varies by resource platform. Please select a business type based on your business conditions:

- Static acceleration: Suitable for static resource acceleration scenarios such as ecommerce, websites, and gaming images.
- Download acceleration: Suitable for scenarios such as game installations, audio/video downloads, and mobile phone firmware package distribution.
- Streaming VOD acceleration: Suitable for VOD acceleration scenarios.

2. Basic Configuration

CDN provides the Ignore Query String switch, which allows you to control whether to filter parameters after "?" in end users' request URLs. You can use this feature for flexible version control or token-based authentication. For more information, please see [Ignore query string configuration](#).

3. Cache expiration configuration

Cache expiration configuration refers to a set of expiration rules that CDN cache nodes should


comply with when caching your business content. For more information, please see [Cache Expiration Configuration](#).

Completing the connection

Click **Submit** to add the domain name and wait for the domain name configuration to be delivered over the entire network. This usually takes 5 to 10 minutes.



Create a distribution done!

 added successfully. The system is assigning you a CNAME
You can also ask your DNS provider to add a CNAME record, forwarding the requests to Tencent Cloud CDN. [How do I add a CNAME?](#)

Manage Domain

More configurations

After the connection is successful, CDN will assign you a corresponding CNAME address. CDN service takes effect only after you complete the CNAME configuration. For more information, please see [Configuring CNAME](#).

CNAME Configuration

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After your domain name is bound to CDN, the system automatically assigns you a CNAME domain name suffixed with `.cdn.dnsv1.com` which can be viewed on the [Domain Name Management](#) page in the CDN Console. It cannot be accessed directly. Instead, you need to complete the CNAME configuration with the domain name service provider first. When the configuration takes effect, you can use the CDN acceleration service.

<input type="checkbox"/>	Domain	Status ▾	CNAME ⓘ	Origin type ▾
<input type="checkbox"/>	[blurred]	✔ Activated	[blurred].cdn.dnsv1.com	External

CNAME verification

The time it takes for a CNAME record to take effect varies by DNS service provider. It is generally within half an hour. You can also run ping on the command line to check whether the CNAME record is in effect. If a domain name suffixed with `.sp.spcdn.ti.p.com` can be pinged, the domain name CNAME record has taken effect.