

# **Content Delivery Network Tutorial Product Documentation**



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# Tutorial

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This document helps you get started with Tencent Cloud Content Delivery Network (CDN).

## 1. Basic CDN Knowledge

- [How does CDN work?](#)
  - [Why Tencent Cloud CDN?](#)
  - [What are the use cases of CDN?](#)
  - [What are the use limits of CDN?](#)
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## 2. CDN Billing Modes

Tencent Cloud CDN has two billing modes: **bill-by-bandwidth** and **bill-by-traffic**. You need to understand the two CDN billing modes so that you can choose the right mode for you. For more information, please see [Billing Instruction](#).

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## 3. Getting Started

### 3.1. Activate the service and select the billing mode

Before using CDN, you need to sign up for a Tencent Cloud account and activate the CDN service. For more information, please see [Overview](#).

### 3.2. Connect a domain name

You need to add an accelerated domain name for your acceleration service. Through an 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 [Adding Domain Names](#).

### 3.3. Configure a CNAME record

When the distribution is created, CDN will assign you a corresponding CNAME address, which needs to be configured before taking effect. For detailed directions, please see [CNAME Configuration](#).

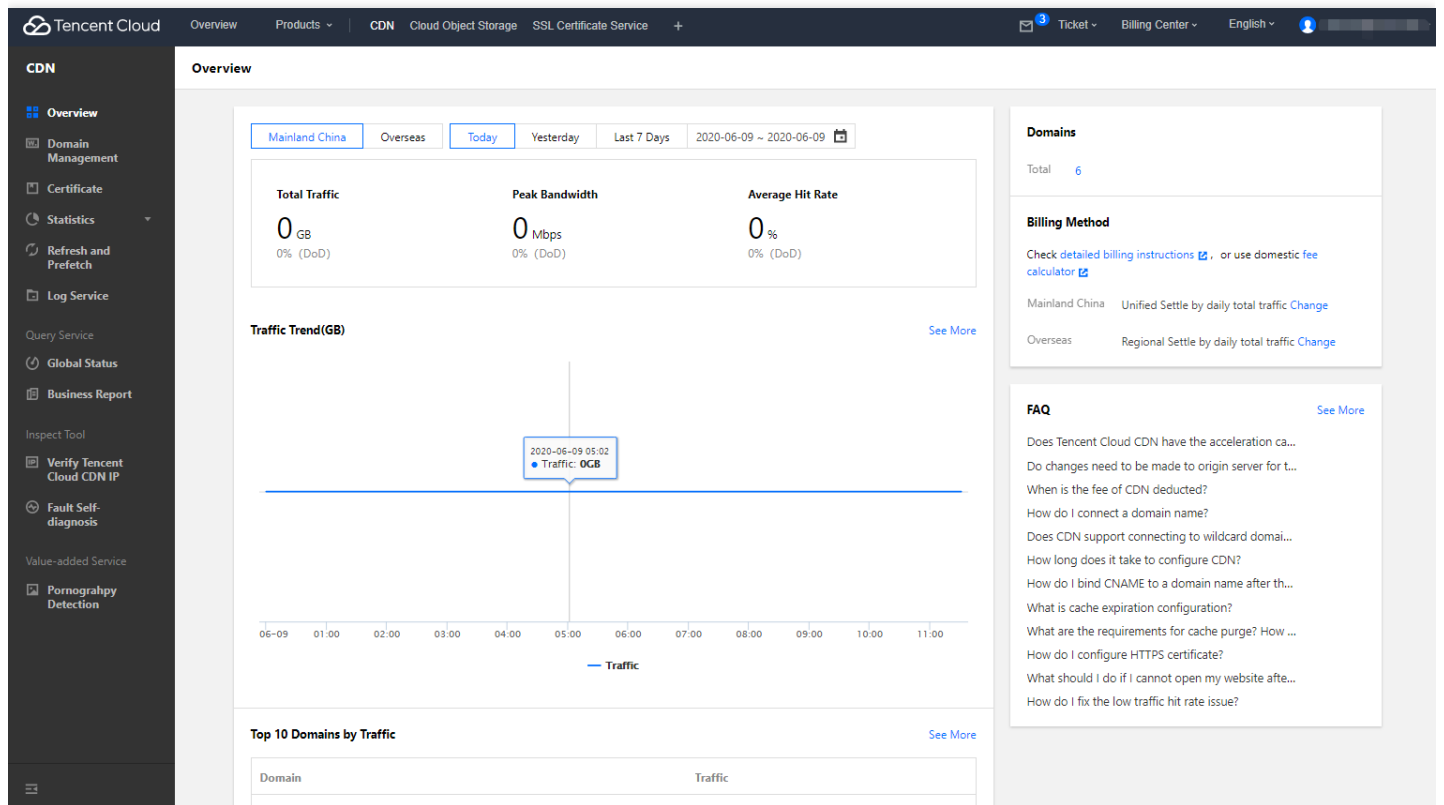
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You can also follow the best practices below to get started with CDN and accelerate your domain name:

- [Accelerating Access to CVM with CDN](#)
- [Accelerating Access to COS with CDN](#)

## 4. Console

Below is the overview page of the CDN Console:



## 5. Overview of Console Features

Desired Operation	Reference Document
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Desired Operation	Reference Document
View, activate, or disable a connected acceleration domain name.	<a href="#">Domain Name Operations</a>
Filter and view Tencent Cloud resources or manage them by tag, project, etc.	<a href="#">Domain Name Search</a>
Optimize your CDN acceleration effect. CDN supports various custom configurations.	<a href="#">Configuration Overview</a>
View mappings between Console features and `Action` values.	<a href="#">Console Permissions</a>
Grant permissions at the domain name level through custom policy statements.	<a href="#">Policy Creation</a>
Grant different project-level permissions.	<a href="#">Project-Level Permissions</a>
Use real-time monitoring data to analyze the running status.	<a href="#">Real-Time Monitoring</a>
Analyze your user sources, distribution, and usage.	<a href="#">Data Analysis</a>
Purge resources cached in CDN nodes on a regular basis so that the nodes will pull the latest versions of resources from the origin server and cache them again.	<a href="#">Cache Purge</a>
Load specified resources onto a cache node in advance.	Cache Prefetch
Download access logs and analyze popular resources and active users as needed.	<a href="#">Log Download</a>
Quickly search for and analyze your log data.	<a href="#">Real-Time Log</a>
View the real-time status overview and the details of the entire network.	<a href="#">Entire Network Status Monitoring</a>
View multi-dimensional reports that show and help you analyze your business status.	<a href="#">Operational Report</a>

Desired Operation	Reference Document
View traffic package usage in mainland China on the CDN Console.	<a href="#">Traffic Package Management</a>
Verify whether a specified IP is of a CDN node.	<a href="#">Verify Tencent IP</a>
Diagnose a URL with an access exception and quickly locate the problem.	<a href="#">Self-Diagnosis Tool</a>
Monitor and protect your resources from DDoS, CC, and WAF attacks.	<a href="#">Secure Acceleration</a>
Use CDN to deliver a massive number of images.	<a href="#">Image Optimization</a>

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