Content Delivery Network

Purchase Guide

Product Documentation
Content Delivery Network

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Billing overview

Billing regions
Tencent Cloud CDN has two service regions, namely, Mainland China and outside Mainland China.

In Mainland China, fees are charged uniformly and there are no pricing differences between different regions.

Outside Mainland China, there are eight billing regions determined according to the location of Tencent Cloud CDN node servers, namely, Asia Pacific Region 1, Asia Pacific Region 2, Asia Pacific Region 3, Middle East, Europe, North America, South America, and Africa, as shown below:

- Asia Pacific Region 1: Hong Kong (China), Macao (China), Singapore, Vietnam, and Thailand
- Asia Pacific Region 2: Taiwan (China), Japan, Malaysia, Indonesia, and South Korea
- Asia Pacific Region 3: the Philippines, India, Australia, and other Asia Pacific countries and regions

Note:
- CDN fees for Mainland China and the regions outside Mainland China are calculated separately according to the applicable unit price and usage.

Billing mode
CDN offers two billing modes, bill-by-bandwidth and bill-by-traffic.

<table>
<thead>
<tr>
<th>Billing Mode</th>
<th>Description</th>
<th>Payment Mode</th>
<th>Billing Rule</th>
<th>Billing Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bill-by-bandwidth</td>
<td>Fees are charged based on daily peak bandwidth. Bandwidth values are collected once every five minutes to generate a total of 288 bandwidth statistical points per day, the highest of which is the daily peak bandwidth.</td>
<td>Pay-as-you-go daily fees generated between 00:00:00 and 23:59:59 on the current day will be billed before 18:00 on the next day.</td>
<td>Daily tier</td>
<td>Please see Billing Details.</td>
</tr>
<tr>
<td>Bill-by-traffic</td>
<td>Fees are charged based on the actual traffic generated by your CDN nodes.</td>
<td>Pay-as-you-go daily fees generated between 00:00:00 and 23:59:59 on the current day will be billed before 18:00 on the next day.</td>
<td>Monthly cumulative tier</td>
<td>Please see Billing Details.</td>
</tr>
</tbody>
</table>

(Please see Billing Details.)
VIP customer billing plan

If your monthly CDN service fees exceed or are expected to exceed USD 20,000, you may be eligible for a more flexible and cost-effective monthly billing plan. For more information, please submit a ticket to contact sales.

<table>
<thead>
<tr>
<th>Billing Mode</th>
<th>Description</th>
<th>Use Case</th>
<th>Billing Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monthly average of daily peak bandwidth values</td>
<td>There are 288 CDN bandwidth statistical points per day, the highest of which is the daily peak bandwidth. The billable bandwidth is the average daily peak bandwidth of all valid days, and fees will be calculated based on the contracted price.</td>
<td>If your monthly CDN service fees exceed or are estimated to exceed 20,000 USD, please submit a ticket to contact us for a more flexible billing plan.</td>
<td>Please see Billing Details.</td>
</tr>
<tr>
<td>Monthly 95th percentile bandwidth</td>
<td>There are 288 CDN bandwidth sample points per day. Starting from the 1st day of the current month, all sample points of valid days (when bandwidth is actually consumed) are sorted in order. The first 5% points are removed, and the remaining highest value is the billable bandwidth. The fees are then calculated based on the contracted price.</td>
<td></td>
<td>Please see Billing Details.</td>
</tr>
<tr>
<td>Monthly traffic</td>
<td>The total traffic used in a month will be charged at the contracted price.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note:
- Each CDN node collects traffic data in real time and reports it to the billing center which aggregates the data entries into total traffic data. For bill-by-bandwidth, bandwidth value = 5-minute total traffic / 300s. For example, if the total traffic generated in 5 minutes is 30 MB, the corresponding bandwidth will be (30 * 8) / 300 = 0.8 Mbps (1 MB = 8 Mbps).
- Base conversion: 1 GB = 1,000 MB; 1 MB = 1,000 KB; 1 Gbps = 1,000 Mbps; 1 Mbps = 1,000 Kbps.

Billing details

Bill-by-bandwidth

CDN offers a region-specific tiered pricing model based on daily peak bandwidth. The pricing tiers are as shown below:

<table>
<thead>
<tr>
<th>Bandwidth Tier (USD/Mbps/Day)</th>
<th>Mainland China - CN</th>
<th>North America - NA</th>
<th>Europe - EU</th>
<th>Asia Pacific Region 1 - AP1</th>
<th>Asia Pacific Region 2 - AP2</th>
<th>Asia Pacific Region 3 - AP3</th>
<th>Middle East - ME</th>
<th>Africa - AA</th>
<th>South America - SA</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-500 Mbps</td>
<td>0.094</td>
<td>0.2941</td>
<td>0.2941</td>
<td>0.4412</td>
<td>0.5882</td>
<td>0.6471</td>
<td>0.8529</td>
<td>0.6471</td>
<td>0.6471</td>
</tr>
<tr>
<td>500 Mbps-5 Gbps</td>
<td>0.092</td>
<td>0.2471</td>
<td>0.2471</td>
<td>0.3882</td>
<td>0.5294</td>
<td>0.5941</td>
<td>0.7824</td>
<td>0.5941</td>
<td>0.5941</td>
</tr>
<tr>
<td>5-50 Gbps</td>
<td>0.086</td>
<td>0.1824</td>
<td>0.1824</td>
<td>0.3412</td>
<td>0.4706</td>
<td>0.5471</td>
<td>0.7059</td>
<td>0.5471</td>
<td>0.5471</td>
</tr>
</tbody>
</table>
### Calculation method

Assuming that the peak bandwidth of CDN in Mainland China is $X$ and there is no consumption outside Mainland China, the calculation method for tiered pricing is as follows:

1. If $X < 500$ Mbps, the bill amount will be $X \times 0.094$.
2. If $500$ Mbps $\leq X < 5,000$ Mbps, the bill amount will be $X \times 0.092$.
3. If $5,000$ Mbps $\leq X < 50,000$ Mbps, the bill amount will be $X \times 0.086$.
4. If $X \geq 50,000$ Mbps, the bill amount will be $X \times 0.084$.

### Bill-by-traffic

CDN offers a region-specific bill-by-traffic pricing model based on a monthly cumulative tier. The pricing tiers are as shown below:

<table>
<thead>
<tr>
<th>Traffic Tier (USD/GB)</th>
<th>Mainland China - CN</th>
<th>North America - NA</th>
<th>Europe - EU</th>
<th>Asia Pacific Region 1 - AP1</th>
<th>Asia Pacific Region 2 - AP2</th>
<th>Asia Pacific Region 3 - AP3</th>
<th>Middle East - ME</th>
<th>Africa - AA</th>
<th>South America - SA</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-2 TB</td>
<td>0.037</td>
<td>0.0547</td>
<td>0.0547</td>
<td>0.0812</td>
<td>0.1094</td>
<td>0.12</td>
<td>0.1588</td>
<td>0.12</td>
<td>0.12</td>
</tr>
<tr>
<td>2-10 TB</td>
<td>0.035</td>
<td>0.0459</td>
<td>0.0459</td>
<td>0.0724</td>
<td>0.1024</td>
<td>0.1129</td>
<td>0.1465</td>
<td>0.1129</td>
<td>0.1129</td>
</tr>
<tr>
<td>10-50 TB</td>
<td>0.032</td>
<td>0.0388</td>
<td>0.0388</td>
<td>0.0653</td>
<td>0.0935</td>
<td>0.1059</td>
<td>0.1359</td>
<td>0.1059</td>
<td>0.1059</td>
</tr>
<tr>
<td>50-100 TB</td>
<td>0.026</td>
<td>0.0318</td>
<td>0.0318</td>
<td>0.0582</td>
<td>0.0847</td>
<td>0.0988</td>
<td>0.1253</td>
<td>0.0988</td>
<td>0.0988</td>
</tr>
<tr>
<td>≥ 100 TB</td>
<td>0.02</td>
<td>0.0247</td>
<td>0.0247</td>
<td>0.0547</td>
<td>0.0759</td>
<td>0.0918</td>
<td>0.1147</td>
<td>0.0918</td>
<td>0.0918</td>
</tr>
</tbody>
</table>

### Calculation method

Unlike bill-by-bandwidth, bill-by-traffic is based on a monthly cumulative tier. Here is an example describing how to calculate the fees:

- Suppose the traffic generated in Mainland China on January 1 is 3 TB and there is no consumption outside Mainland China, as shown below. The gray zone represents the actual billing tier and the green zone shows the traffic generated on January 1. As 2 TB falls into the 0-2 TB billing tier and the remaining 1 TB falls into the 2-10 TB tier, the actual fees
for January 1 will be $2 \times 1000 \times 0.037 + 1 \times 1000 \times 0.035$.

Suppose the traffic generated in Mainland China on January 2 is also 3 TB and there is no consumption outside Mainland China, as shown below. As bill-by-traffic is based on monthly cumulative traffic, all the 3 TB falls into the 2–10 TB tier, so the actual fees for January 2 will be $3 \times 1000 \times 0.035$.

Suppose the traffic generated in Mainland China on January 3 is 7 TB and there is no consumption outside Mainland China, as shown below. Of this 7 TB, 4 TB falls into the 2–10 TB tier and the remaining 3 TB into the 10–50 TB tier, so the actual fees for January 3 will be $4 \times 1000 \times 0.035 + 3 \times 1000 \times 0.032$.

The fees incurred each day in January can be calculated accordingly with the above described method. A new billing cycle will begin on February 1.

**Bill-by-monthly-average-bandwidth**

1. Suppose a customer’s billing officially started on January 1 and the contracted price for the specified zone is $P$ USD/Mbps/month.
2. A valid day refers to a day when more than 0 Kbps of bandwidth is consumed.
3. Assuming there are 14 valid days in January, we take the maximum value of the 288 statistical points for each of those 14 valid days as Max_1, Max_2, Max_3..., and Max_14, respectively. The billable bandwidth will be Average(Max_1, Max_2, ..., Max_14), and so the January fee is: Average(Max_1, Max_2, ..., Max_14) * $P \times 14 / 31$.

**Bill-by-monthly-95th-percentile-bandwidth**

1. Suppose a customer’s billing officially started on January 1 and the contracted price for the specified zone is $P$ USD/Mbps/month.
2. A valid day refers to a day when more than 0 Kbps of bandwidth is consumed.
3. Assuming there are 14 valid days in January, 14 valid days has $14 \times 288$ statistical points, and the highest 5% points are removed. The highest remaining point is the Max95, which is the billable bandwidth. So the January fee is: Max95 \times P \times 14 / 31.

Choosing a billing plan

Note:

If you discover that the selected billing mode is not suitable for your business needs during use, you can change it. For more information, please see Changing Billing Method.

Options:

CDN provides two billing modes: bill-by-traffic and bill-by-bandwidth. You can select an appropriate billing mode as needed.

Calculation example:

Assuming that the traffic consumed between 00:00 and 24:00 yesterday was 200 GB and was generated in Mainland China, and the peak bandwidth was 40 Mbps, the curve will be as follows:

If you select bill-by-traffic mode, you will need to pay: $200 \times 0.037 = 7.4$ USD

If you select bill-by-bandwidth mode, you will need to pay: $40 \times 0.094 = 3.76$ USD

We recommend bill-by-bandwidth as it is more cost-effective.

Note on arrears

Tencent Cloud will notify you through multiple channels including email and SMS when your account falls into arrears. A 24-hour grace period is provided. If you fail to top up your account within 24 hours, your CDN service will be suspended. You will need to manually activate the acceleration service in the CDN Console after topping up your account.
Note:

When your acceleration service is suspended due to arrears, all your domain names will be deactivated and all access requests will be forwarded to the origin server. You can query information but cannot modify configurations in the CDN Console. Your CDN-related domain names and configurations will be retained for 12 months.
Changing Billing Method

Last updated: 2020-01-19 15:16:11

If you are a Tencent Cloud VIP customer, you can contact your Tencent Cloud sales rep for assistance to change your billing mode.

If you find the selected billing mode is not suitable for your business needs during use, you can change it according to Billing Instruction.

Notes

The billing mode used to calculate the generated consumption on the current day will be also used for settlement on the following day.

- If you switch from bill-by-bandwidth to bill-by-traffic when consumption has yet to occur, you will be charged with bill-by-traffic on the following day unless you switch the billing mode again.
- If consumption has already occurred when you switch, you will be charged with bill-by-bandwidth on the following day. You will be charged with bill-by-traffic on the third day when calculating the consumption on the second day, unless you switch the billing mode again.

How to change billing mode

1. Log in to the CDN Console and click Overview on the left sidebar to enter the management page and click Change in the right.
2. Change the original billing mode **Bill-by-traffic** to **Bill-by-bandwidth** and click **Confirm**.

3. After the billing mode is changed to **Bill-by-bandwidth**, your traffic package will no longer be deducted.

4. You can repeat the previous steps to cancel the switch.
Bill Query

Last updated: 2019-11-07 15:20:54

- Bills by Instance are generated on the third day of each month, so there may be data delays. For real-time data, check Bill Details.
- The fees in Bill Details can be rounded to up to 8 decimal places. The fees displayed in Bill by Instance are rounded to 2 decimal places (i.e., in cents) and the same amount is deducted from your account. For more information.

Log in to the Tencent Cloud Console Billing Center and go to the “Bill Details” page to view Bills by Instance and Bill Details for the selected month. Bills are displayed by settlement cycle by default.

- You can filter bills by product (e.g., CDN), sub-product, project, region, billing mode, and transaction type.
- You can search for details by entering the instance ID or instance name.
- You can customize the displayed fields in the list.
- Click **Bill Details** in the **Operations** column to view the bill details of the resource.

![Bill Details](image)

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Total Amount</th>
<th>Expenditure Trend</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>No data yet</td>
</tr>
</tbody>
</table>

No bills incurred this month.
COS as origin server

Overview

You can store all your static resources such as static scripts, audio/video files, images, and attachments in standard storage in COS, which features unlimited capacity and high-frequency reads/writes to provide scalable and reliable storage for static resources and reduce pressure on resource servers. In addition, static resources in COS can be connected to CDN for fast global delivery to clients.

Billing

When COS serves as an origin server of CDN, billing consists of two parts: CDN billing (for acceleration) and COS billing (for origin-pulling).

**CDN Billing**

When CDN obtains resources from a nearby CDN node and delivers them to clients, the traffic consumed will be charged by CDN. For more information, please see CDN Billing.

**COS Billing**

When CDN pulls resources from a COS origin server, the traffic consumed will be charged by COS. For more information, please see COS Billing.
How is CDN billed?

CDN offers two billing methods: bill-by-bandwidth and bill-by-traffic. Both methods are pay-as-you-go on a daily billing cycle. Payment for total consumption generated between 00:00:00–23:59:59 on the current date will be deducted the next day. For more information on how to choose an appropriate billing method, please see Billing Instruction.

When are the fees of CDN deducted?

CDN is billed on a pay-as-you-go basis. The charge for total consumption generated on the current date is billed and deducted on the next day:

- If you switch from bill-by-bandwidth to bill-by-traffic and consumption has yet to occur for the day, you will be charged with bill-by-traffic on the following day unless you switch the billing mode again.
- If consumption has already occurred, you will be charged with bill-by-bandwidth on the following day. You will be charged with bill-by-traffic on the third day when calculating the consumption on the second day, unless you switch the billing mode again.

If you want to change your billing method, please contact your Tencent Cloud sales rep or submit a ticket.

What is monthly 95th percentile billing?

Bill-by-bandwidth is a billing mode based on peak bandwidth use. Monthly 95th Percentile: there are 288 CDN bandwidth statistical points per day. Starting from the 1st day of the current month, all statistical points of valid days (when bandwidth is actually consumed) are sorted in order. The top 5% points are removed, and the remaining highest value is the billable bandwidth. The fee is then calculated based on the listing price and settlement method.

Billing sample:
Suppose a customer's billing officially started on January 1 and the contracted price is P USD/Mbps/month. Assuming that there are 14 valid days in January, the billable bandwidth for all the 14 valid days has 14 * 288 statistical points, the highest 5% points are removed, so Max95 is the highest one in the remaining statistical points, which is the billable bandwidth, and the fees for January is: Max95 * P * 14 / 31.

How can I check my CDN bills?

You can check your bills in Tencent Cloud Billing Center. For more information, please see Bill Query.

Can I return a purchased Mainland China traffic package?

Yes. If a CDN traffic package for Mainland China you purchased has not been used, it can be refunded unconditionally within five days after purchase. For more information, please see Refund Description.

Where is the CDN price calculator?

Click Mainland China CDN Price Calculator to enter the Mainland China price calculator page.

Can CDN be billed by number of requests?
No. Currently, CDN does not support billing by number of requests.

**What will happen if my account falls into arrears?**

For more information, please see the notes in the billing description document.

**If the origin server uses COS, will there be charges for traffic generated by origin-pull from CDN to COS?**

The traffic generated by origin-pull from CDN to COS is billed by COS instead of CDN. For more information, please see COS as Origin Server.

**When CDN is disabled (or deactivated), will it generate traffic and incur fees?**

After the CDN domain name acceleration service is disabled, if the domain name is still configured with CNAME, a 404 status code will be returned for requests resolved to the node and a small amount of traffic will be consumed. This traffic data will be recorded by the console for your reference, and the corresponding logs will also be generated. However, since your domain name has been disabled, we will not bill you for this traffic consumption and log packets. We recommend changing the origin-pull resolution first before disabling the acceleration service.