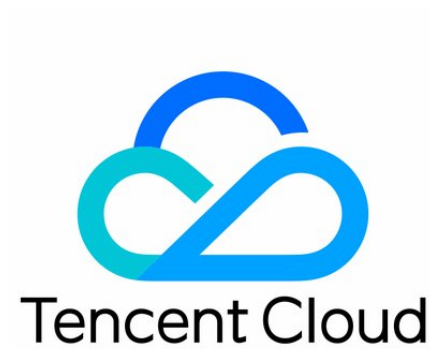


Cloud Object Storage Purchase Guide Product Documentation



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Purchase Guide

Free Tier

Last updated : 2019-09-03 10:47:18

COS standard storage offers a Free Tier for new users:

User Type	Free Tier	Validity Period
Personal user	50 GB of standard storage capacity	6 months
Enterprise user	1 TB of standard storage capacity	6 months

1. COS fees include **storage capacity fees, request fees, data retrieval fees** and **traffic fees**. The Free Tier only applies to the standard storage capacity fees, all other fees are still collected. For more information on COS billing, see [Billing](#).
2. The cost is billed in the order of **Free Tier > Pay-as-You-Go**. The default billing mode is Pay-as-You-Go. The Free Tier will be deducted first, then any exceeding usage will be billed on a **Pay-as-You-Go** basis.
3. The **Free Tier Validity Period** is 6 months after you activate COS service.

For example, if you activate COS at 17:13:14 on February 10, 2019, then the Free Tier will be valid from February 1, 2019, 00:00:00 to July 31, 2019, 23:59:59.

4. If you already receives a discount, the cost is calculated based on the discount price and your account would not be eligible for the Free Tier.
5. If your service is interrupted due to violations or arrears, you will not be eligible for the Free Tier perk. Free Tier will be unavailable until the service is restarted.
6. The Free Tier is only applicable to public cloud regions. For more information, see [Regions and Endpoints](#).

Billing Restrictions

Last updated : 2019-09-16 17:53:43

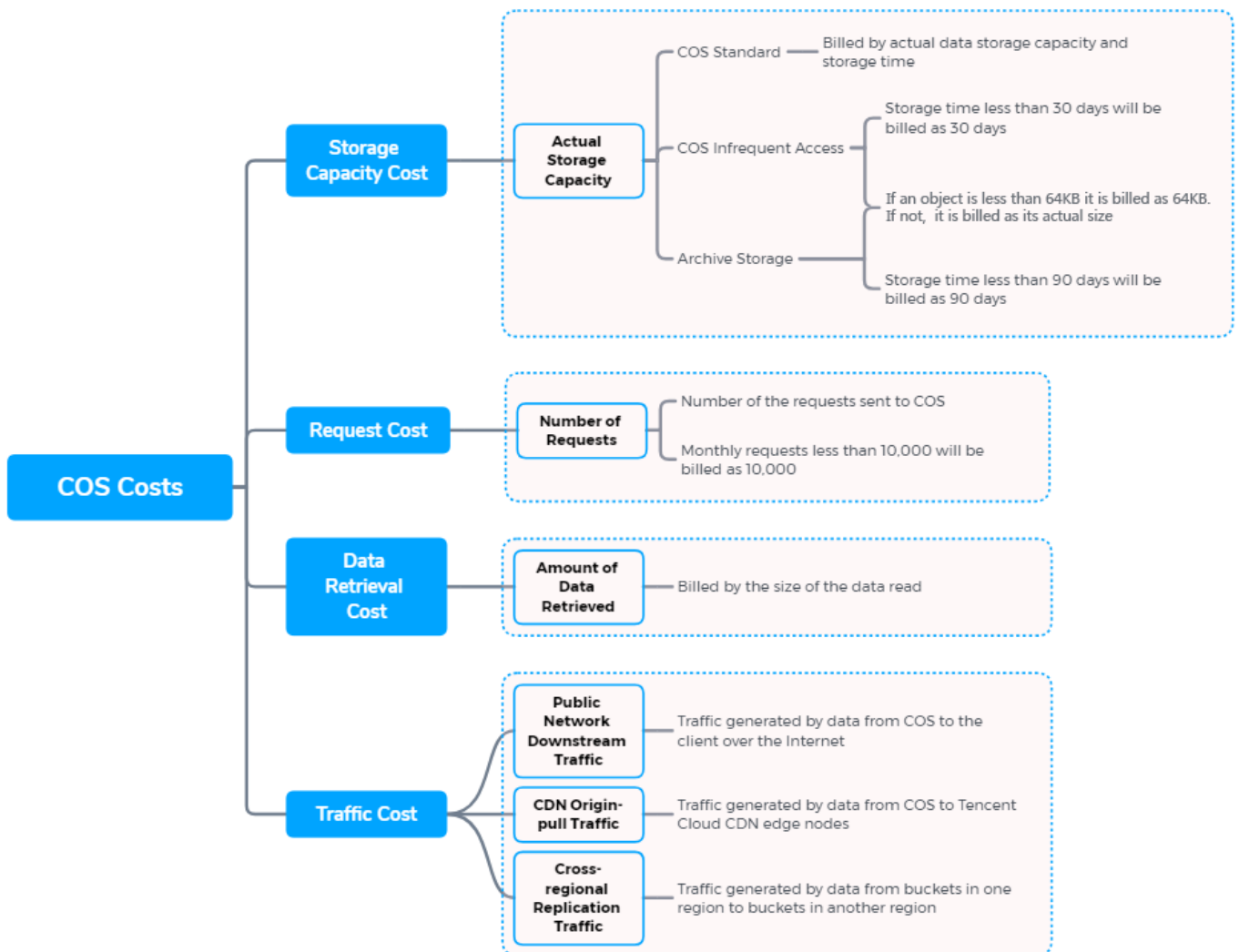
Billing Method

COS supports Pay-as-You-Go billing method for all regions.

For more information, see [Regions and Endpoints](#).

Billing Cycle

Billable items in COS include storage capacity, requests, data retrievals, and traffic as shown below:



The fees for storage capacity, requests, and data retrievals are **settled on a monthly** basis. Fees for the previous month are settled and billed on the 3rd to 5th days of each month.

Traffic fees are **settled on a daily basis**. Fees for the past day are settled and billed everyday.

At the time of bill settlement, the system will settle in the order of **Free Tier > Pay-as-You-Go billing**.

By default, the system uses the Pay-as-You-Go billing method for bill settlement.

Free Tier

You are eligible for a certain amount of standard storage capacity provided by COS free of charge. For more information, see [Free Tier](#).

Relevant Links

1. See [COS Pricing](#) for more information about COS product pricing.
2. For more information on arrears processing in COS, data retention, purge schedule and related billing issues, see [COS Arrears Processing](#).

Billable Items

Billable items in COS include storage capacity, requests, data retrievals, and traffic as shown below. For pricing details, see [COS Pricing](#).

Storage Capacity Fees

Storage capacity fees are calculated based on the storage capacity actually used by your data. The billing details for storage capacity are as follows:

Billable Items	Applicable Storage Class	Metric Description	Billing Description
Storage capacity	All	Calculated based on the actual storage capacity occupied by your data	Settled on a monthly basis $\text{Storage capacity fees} = \text{storage capacity unit price} * \text{monthly storage capacity used}$ $\text{Monthly storage capacity used} = \text{sum of daily storage capacity used in the month} / \text{number of days in the month}$ $\text{Daily storage capacity used} = \text{sum of every 5-minute storage capacity used of the day} / 288 \text{ (number of statistical points)}$

Billing Restrictions

1. Standard Infrequent Access Storage (Standard_IA Storage) class: if the storage duration is less than 30 days, it will be calculated as 30 days. If a single file stored is less than 64 KB, it will be calculated as 64 KB; otherwise, it will be calculated as the actual size.
2. Archive storage class: this storage class is available in Public cloud regions only. If the storage duration is less than 90 days, it will be calculated as 90 days. If a single file stored is less than 64 KB, it will be calculated as 64 KB; otherwise, it will be calculated as the actual size.
3. If you successfully uploaded an object in Standard_IA or Archive storage class without enabling versioning, COS will delete the existing object of the **same name** (if any), and in this case, storage fees will still incur for **objects that were**

deleted earlier.

Request Fees

Request fees are calculated based on the number of requests. You can perform upload, download, query, deletion and other data-related operations via API, SDK, console or related tool programs by sending request instructions to Tencent COS.

Requests are divided into read requests and write requests. The monthly unit prices are the same for all request types but vary by storage class. The more requests sent, the higher the fees. The billing details for requests are as follows:

Billable Items	Applicable Storage Class	Metric Description	Billing Description
Number of Requests	All	Calculated based on the number of requests sent	Settled on a monthly basis If the number of accumulated requests is below 10,000, it will be calculated as 10,000 requests Request fees = unit price per 10,000 requests * monthly number of accumulated requests / 10,000 (rounded down)

Billing Restrictions

- 10,000 requests serve as the smallest counting unit for request fees; therefore, if the number of monthly accumulated requests is below 10,000, it will be calculated as 10,000 requests.
- When archived data is read, the data is first restored to standard storage class and then read there; therefore, the number of requests is counted in the standard storage class.

Data Retrieval Fees

Data retrieval fees are calculated based on the amount of data retrieved. The larger the amount, the higher the fees. The billing details for data retrieval are as follows:

Billable Items	Applicable Storage Class	Metric Description	Billing Description
Data retrieved	Standard_IA Archive	Calculated based on the amount of data retrieved	Settled on a monthly basis Data retrieval fees = unit price per GB * monthly amount of data retrieved

Billing Restrictions

Infrequent storage and **archive storage** are storage classes for cold data. You need to retrieve objects first if you want to download and use the objects in these two storage classes. Therefore, traffic cost for downloading data and data retrieval cost will both be incurred.

Traffic Fees

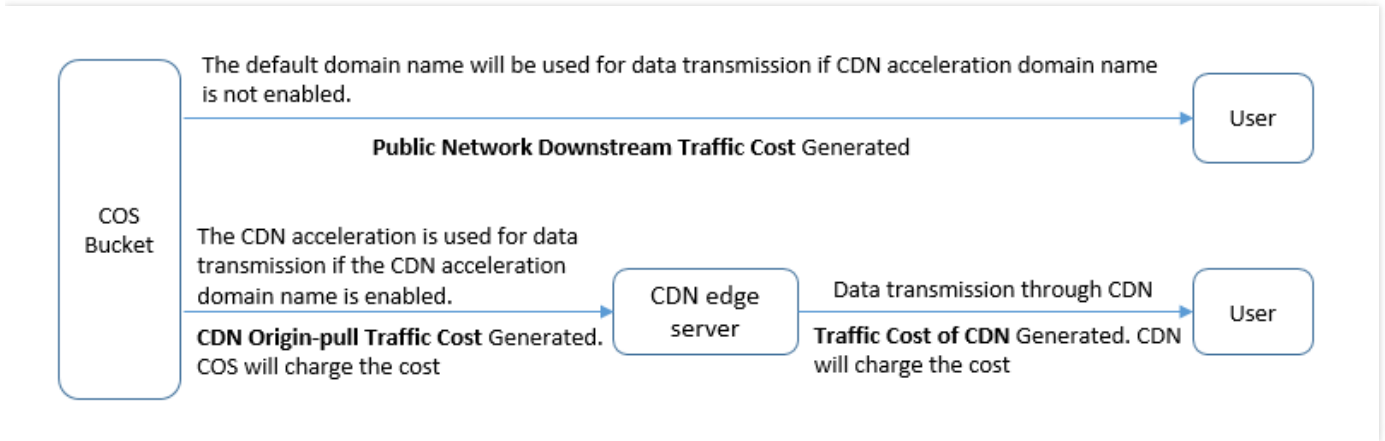
Traffic fees are calculated based on the accumulated traffic generated by storage data reads. The billing details for traffic fees are as follows:

Billable Items	Applicable Storage Class	Metric Description	Billing Description
Public network upstream traffic	All	Traffic generated by data transmitted from client to COS over the internet	Free
Private network upstream traffic	All	Traffic generated by data transmitted from client to COS over the Tencent Cloud private network	Free
Public network downstream traffic	All	Traffic generated by data transmitted from COS to client over the internet	Settled on a daily basis Public network downstream traffic fees = unit price per GB * daily accumulated public network downstream traffic
Private network downstream traffic	All	Traffic generated by data transmitted from COS to client over the Tencent Cloud private network	Free
CDN origin-pull traffic	All	Traffic generated by data transmitted from COS to CDN edge server	Settled on a daily basis CDN origin-pull traffic fees = unit price per GB * daily accumulated CDN origin-pull traffic
Cross-region replication traffic	All	Traffic generated by data transmitted from a bucket in one region to another bucket in another region	Settled on a daily basis Cross-region replication traffic fees = unit price per GB * daily accumulated cross-region replication traffic

- Tencent Cloud products within the same region access each other over private networks by default and no traffic fees will be incurred. For more information, see [How to Identify a Private Network Access](#).
- Public network downstream traffic consists of the traffic generated by downloading objects through **object links** and browsing objects through **static website access node**.
- CDN origin-pull traffic refers to traffic generated by browsing or downloading COS data from the client through **CDN acceleration domain name** after CDN acceleration is enabled.
- Cross-region replication traffic refers to traffic generated by sending data between buckets in different regions through the replication API or cross-region replication feature.

Traffic Trends

The figure below shows the traffic fees incurred by data transmitted from COS to end user with CDN acceleration enabled and disabled, respectively.



Billing Restrictions

When archived data is read, the data is first restored to standard storage class and then read there; therefore, the traffic is counted in the Standard storage class.

Product Pricing

Last updated : 2019-09-11 16:59:56

Here you can find information about COS's pay-as-you-go billing. To learn more about COS's billing methods and billable items, see [COS Billing](#).

Pay-As-You-Go Pricing

Region	Storage Type	Billing Items					
		Storage Capacity Cost (USD/GB/month)	Read/Write Request Cost (USD/10k requests)	Data Retrieval Cost (USD/GB)	Traffic Cost (USD/GB)		
					Internet Downstream Traffic	CDN Origin-pull Traffic	Cross-origin Replication Traffic
Chengdu (Southwest China), Chongqing (Southwest China)	COS Standard	0.02	0.002	0	0.1	0.02	0.05
	COS Infrequent Access	0.014	0.01	0.002			
	Archive Storage	0.0045	0.0147 (read/write only after recovery)	expedited retrieval: 0.03 standard retrieval: 0.01 bulk retrieval: 0.0025	0.1 (applicable only after recovery)	N/A	N/A
Beijing (North China), Shanghai (East China), Guangzhou (South China)	COS Standard	0.024	0.002	0	0.1	0.02	0.1
	COS Infrequent Access	0.018	0.01	0.002			
	Archive Storage	0.005	0.0147 (read/write only after recovery)	expedited retrieval: 0.03 standard retrieval: 0.01 bulk retrieval: 0.0025	0.1 (applicable only after recovery)	N/A	N/A
Hong Kong,	COS Standard	0.022	0.002	0	0.08	0.08	0.08

China	COS Infrequent Access	0.016	0.01	0.002			
	Archive Storage	0.005	0.0147 (read/write only after recovery)	expedited retrieval: 0.036 standard retrieval: 0.012 bulk retrieval: 0.003	0.08 (applicable only after recovery)	N/A	N/A
Singapore	COS Standard	0.022	0.003	0	0.072	0.072	0.072
	COS Infrequent Access	0.016	0.015	0.003			
	Archive Storage	0.005	0.0147 (read/write only after recovery)	expedited retrieval: 0.036 standard retrieval: 0.012 bulk retrieval: 0.003	0.072 (applicable only after recovery)	N/A	N/A
Frankfurt	COS Standard	0.02	0.002	0	0.07	0.07	0.07
	COS Infrequent Access	0.014	0.01	0.002			
	Archive Storage	0.0045	0.0147 (read/write only after recovery)	expedited retrieval: 0.03 standard retrieval: 0.01 bulk retrieval: 0.0025	0.07 (applicable only after recovery)	N/A	N/A
Toronto	COS Standard	0.02	0.002	0	0.07	0.07	0.07
	COS Infrequent Access	0.014	0.01	0.002			

	Archive Storage	0.0045	0.0147 (read/write only after recovery)	expedited retrieval: 0.03 standard retrieval: 0.01 bulk retrieval: 0.0025	0.07 (applicable only after recovery)	N/A	N/A
Mumbai	COS Standard	0.024	0.003	0	0.1	0.1	0.1
	COS Infrequent Access	0.018	0.015	0.003			
	Archive Storage	0.005	0.0147 (read/write only after recovery)	expedited retrieval: 0.036 standard retrieval: 0.012 bulk retrieval: 0.003	0.1 (applicable only after recovery)	N/A	N/A
Seoul	COS Standard	0.024	0.002	0	0.12	0.12	0.12
	COS Infrequent Access	0.018	0.01	0.002			
	Archive Storage	0.005	0.0147 (read/write only after recovery)	expedited retrieval: 0.036 standard retrieval: 0.012 bulk retrieval: 0.003	0.12 (applicable only after recovery)	N/A	N/A
Silicon Valley	COS Standard	0.0188	0.002	0	0.07	0.07	0.07
	COS Infrequent Access	0.018	0.01	0.002			
	Archive Storage	0.0045	0.0147 (read/write only after recovery)	expedited retrieval: 0.03 standard	0.07 (applicable only after recovery)	N/A	N/A

				retrieval: 0.01 bulk retrieval: 0.0025			
Virginia	COS Standard	0.0181	0.002	0	0.07	0.07	0.07
	COS Infrequent Access	0.014	0.01	0.002			
	Archive Storage	0.0045	0.0147 (read/write only after recovery)	expedited retrieval: 0.03 standard retrieval: 0.01 bulk retrieval: 0.0025	0.07 (applicable only after recovery)	N/A	N/A
Bangkok	COS Standard	0.024	0.002	0	0.12	0.12	0.12
	COS Infrequent Access	0.018	0.01	0.003			
	Archive Storage	0.005	0.0147 (read/write only after recovery)	expedited retrieval: 0.036 standard retrieval: 0.012 bulk retrieval: 0.003	0.18 (applicable only after recovery)	N/A	N/A
Moscow	COS Standard	0.024	0.002	0	0.07	0.07	0.07
	COS Infrequent Access	0.018	0.01	0.002			
	Archive Storage	0.0045	0.0147 (read/write only after recovery)	expedited retrieval: 0.03 standard retrieval: 0.01 bulk	0.07 (applicable only after recovery)	N/A	N/A

				retrieval: 0.0025			
Tokyo	COS Standard	0.02	0.002	0	0.07	0.07	0.07
	COS Infrequent Access	0.014	0.01	0.002			
	Archive Storage	0.005	0.0147 (read/write only after recovery)	expedited retrieval: 0.036 standard retrieval: 0.012 bulk retrieval: 0.003	0.12 (applicable only after recovery)	N/A	N/A

Administrative Feature Pricing

Note:
The inventory feature is currently in beta and can be used for free. We will send out a notification when this becomes a paid feature.

Region	Administrative Cost
	Inventory Feature (USD / per million objects listed)
Chengdu (Southwest China), Chongqing (Southwest China)	0.0027
Beijing (North China), Shanghai (East China), Guangzhou (South China)	0.0027
Shenzhen Finance	N/A
Shanghai Finance	
Beijing Finance	
Hong Kong, China	0.0028
Singapore	0.0028
Mumbai	0.0028
Seoul	0.0028
Bangkok	0.0028

Tokyo	0.0028
Silicon Valley	0.0028
Virginia	0.0025
Toronto	0.0025
Frankfurt	0.0027
Moscow	0.0028

Arrears

Last updated : 2019-07-30 09:38:10

Billing Cycle

COS billable items and related billing cycle are as follows:

Billable Items	Billing Cycle
Storage capacity	Monthly
Number of requests	
Data retrieval volume	
Traffic	Daily

Arrears and Service Termination

COS will be stopped automatically if your account falls into arrears for 24 hours. Your data will be kept for 120 days. If your account is not topped up to a positive balance within 120 days, your data will be destroyed.

If you receive arrears reminders, go to the [Payment Page](#) in the console and top up your available credit to prevent your business from being affected.

Go to the console to see your [Bill Details](#).

If you have any questions regarding billing items, you can refer to [COS Billing](#) to learn more about billing items and rules.

You can set a balance reminder using **Account Balance Alarm** function in the **Billing Center**. For more information, see [Billing overview](#).

Note:

- If your account falls into arrears and COS service is suspended, **you will still continue to be billed for occupied storage** until your data is destroyed.
- Data cannot be recovered once destroyed.
- Service will automatically resume when your account is positive
- You can avoid unnecessary charges by deleting data on COS that you no longer use.

Billing Examples

Last updated : 2019-09-03 10:48:02

- The following billing samples are based on cities in China.
- The prices in the samples are for reference only. For actual prices, see [Pricing](#).
- A personal user is eligible for 50 GB of standard storage capacity per month free of charge for 6 calendar months. For more information, see [Free Tier](#).
An enterprise user is eligible for 1 TB of standard storage capacity per month free of charge for 6 calendar months. For more information, see [Free Tier](#).

Sample 1: Personal User in Guangzhou Region

Background

User A runs a website and often publishes articles containing images, background music and videos. The website also contains a software download section. He stores the contents of the website in **standard storage** class in the **Guangzhou region** with the CDN acceleration service enabled.

Demand

The images are expected to occupy 100 GB of standard storage capacity per month and generate 100 GB of CDN origin-pull traffic with 1 million read and write requests in total.

Monthly Fees Calculation

During the validity period of the Free Tier (i.e., 6 calendar months after the COS service is activated), the monthly fee is as follows:

Item	Free Tier	Unit Price	Billable Usage	Fees (Unit Price * Billable Usage)
Storage capacity	50 GB	0.024 USD/GB/month	(100 - 50) GB	1.2 USD
Requests	0	0.002 USD/10,000 requests	1 million requests	0.2 USD
CDN origin-pull traffic	0	0.02 USD/GB	100 GB	2 USD
Monthly fee	-	-	-	3.4 USD

After the user's Free Tier expires, the monthly fee is as follows:

Item	Free Tier	Unit Price	Billable Usage	Fees (Unit Price * Billable Usage)
Storage capacity	0	0.024 USD/GB/month	100GB GB	2.4 USD

Item	Free Tier	Unit Price	Billable Usage	Fees (Unit Price * Billable Usage)
Requests	0	0.002 USD/10,000 requests	1 million requests	0.2 USD
CDN origin-pull traffic	0	0.02 USD/GB	100 GB	2 USD
Monthly fee	-	-	-	4.6 USD

Sample 2: Personal User in Guangzhou Region

Background

User B runs a website and often publishes articles containing images, background music, and videos; the website also has a software download section.

He stores the contents of the website in **standard storage** class in the **Chengdu region** with CDN acceleration service enabled.

Demand

The images are expected to occupy 100 GB of standard storage capacity per month and generate 100 GB of CDN origin-pull traffic with 1 million read and write requests in total.

Monthly Fees Calculation

During the validity period of the Free Tier (i.e., 6 calendar months after the COS service is activated), the monthly fee is as follows:

Item	Free Tier	Unit Price	Billable Usage	Fees (Unit Price * Billable Usage)
Storage capacity	50 GB	0.02 USD/GB/month	(100 - 50) GB	1 USD
Requests	0	0.002 USD/10,000 requests	1 million requests	0.2 USD
CDN origin-pull traffic	0	0.02 USD/GB	100 GB	2 USD
Monthly fee	-	-	-	3.2 USD

After the user's Free Tier expires, the monthly fee is as follows:

Item	Free Tier	Unit Price	Billable Usage	Fees (Unit Price * Billable Usage)
Storage capacity	0	0.02 USD/GB/month	100 GB	2 USD

Item	Free Tier	Unit Price	Billable Usage	Fees (Unit Price * Billable Usage)
Requests	0	0.002 USD/10,000 requests	1 million requests	0.2 USD
CDN origin-pull traffic	0	0.02 USD/GB	100 GB	2 USD
Monthly fee	-	-	-	4.2 USD

Sample 3: Enterprise User Using Standard Storage in Beijing Region With CDN Acceleration Enabled

Background

Company B runs a website and often publishes articles containing images, background music, and videos; the website also has a software download section.

They store the contents of the website in **standard storage** class in the **Beijing region** with the CDN acceleration service enabled.

Demand

The files are expected to occupy 1.5 TB of standard storage capacity per month and generate 500 GB of CDN origin-pull traffic with 5 million read requests and 0.2 million write requests.

Monthly Fees Calculation

During the validity period of the Free Tier (i.e., 6 calendar months after the COS service is activated), the monthly fee is as follows:

Item	Free Tier	Unit Price	Billable Usage	Fees (Unit Price * Billable Usage)
Storage capacity	1 TB	0.024 USD/GB/month	$((1.5 - 1) \text{ TB} * 1024) \text{ GB}$	12.288 USD
Requests	0	0.002 USD/10,000 requests	(5+0.2) million requests	1.04 USD
CDN origin-pull traffic	0	0.02 USD/GB	500 GB	10 USD
Monthly fee	-	-	-	23.328 USD

After the user's Free Tier expires, the monthly fee is as follows:

Item	Free Tier	Unit Price	Billable Usage	Fees (Unit Price * Billable Usage)
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Item	Free Tier	Unit Price	Billable Usage	Fees (Unit Price * Billable Usage)
Storage capacity	0 GB	0.024 USD/GB/month	(1.5TB * 1024) GB	36.864 USD
Requests	0	0.002 USD/10,000 requests	(5+0.2) million requests	1.04 USD
CDN origin-pull traffic	0	0.02 USD/GB	500 GB	10 USD
Monthly fee	-	-	-	47.904 USD

Sample 4: Enterprise User Using Archive Storage in Chongqing Region Without CDN Acceleration Enabled

Background

Company B manages a hospital that has a large amount of medical records and imaging materials that need to be backed up and stored. They store the files in **archive storage** class in the **Chongqing region** without enabling CDN acceleration service.

Demand

The files are expected to occupy 20 TB of archive storage capacity per month.

Monthly Fees Calculation

Item	Free Tier	Unit Price	Billable Usage	Fees (Unit Price * Billable Usage)
Storage capacity	0 GB	0.0045 USD/GB/month	(20TB * 1024) GB	92.16 USD
Monthly fee	-	-	-	92.16 USD

If you have any questions, please [submit a ticket](#).