Cloud Object Storage

Release Notes and Announcements

Product Documentation

Contents

Release Notes and Announcements
Release Notes

Last updated：2024-05-15 10:50:06

May 2024

Update Name	Update Description	Release Time	Related Documents
Change of service suspension policy for overdue pay-as-you-go (postpaid) payment	The **service suspension policy for overdue pay-as-you-go (postpaid) payment** of COS is changed. After your account is overdue, the **default data retention period in COS is adjusted from 120 days to 15 days**.	2024-05-15	Payment Overdue

February 2024

Update Name	Update Description	Release Time	Related Documents
Resource packs supported	COS supports six types of resource packs, including **STANDARD storage package, STANDARD_IA storage package, STANDARD request package, STANDARD_IA request package, Public network downstream traffic package, and Global acceleration traffic package**.	2024-02-20	Resource Pack Overview

January 2024

Update Name	Update Description	Release Time	Related Documents

Storage capacity price reduction	The published prices for the following storage capacities of COS will be adjusted: **STANDARD, MAZ_STANDARD, STANDARD_IA, MAZ_STANDARD_IA, ARCHIVE, INTELLIGENT_TIERING**.	January 15, 2024	Product Pricing

November 2023

Update Name	Update Description	Release Time	Related Documents
Select feature unit price reduction	The published prices in COS **Management Features - Select Feature** have been adjusted. For the public cloud in the Frankfurt region, the Select feature (including STANDARD Select feature, STANDARD_IA Select feature, MAZ_STANDARD Select feature, and MAZ_STANDARD_IA Select feature) is now priced at 0.00225 USD/GB.	November 15, 2023	Product Pricing

January 2023

Update	Description	Release Date	Documentation
Launched global acceleration domain for private access	With global acceleration domain for private access, you can quickly enable cross-region access to COS over a private network.	2023-01-13	Global Acceleration for Private Access

December 2022

Update	Description	Release Date	Documentation
Launched the image coloring feature	Accurately restores the color of complex scenes, thereby quickly restoring old photos.	2022-12-12	Image Coloring
Launched the smart image cropping feature	Intelligently analyzes the entity in an image and crops the image to adapt to different size requirements of PCs, mobile phones, and TV screens.	2022-12-12	Smart Image Cropping
Launched the image enhancement feature	Intelligently analyzes low quality photos containing many blurs and noises, and enhances definition to beautify the photos.	2022-12-12	Image Enhancement
Launched the video keying feature	Identifies the human body in a video, performs high-precision segmentation on the human figure, and returns the result video of the human body region.	2022-12-12	Video Keying

November 2022

Update	Description	Release Date	Documentation
Launched the file processing feature	New file processing APIs are launched, including file hash calculation, file decompression, and multi-file zipping and merging.	2022-11-21	File Processing Overview

October 2022

Update	Description	Release Date	Documentation
Launched billing by bucket and	COS supports billing by bucket and cost allocation by tag, which are currently made available through an allowlist and will be fully available starting from December 1, 2022. You can	2022-10-28	What are billing by bucket and

cost allocation by tag features	view the usage and costs of billable items for each bucket through bills by instance (L2) or bill details (L3). You can also view costs by bucket by setting cost allocation tags.		cost allocation by tag?
Supported automatic backup of live streams to buckets in live stream moderation	The live stream dumping feature is added, thereby meeting live stream retention and backup requirements.	2022-10-28	Submitting Live Stream Moderation Job
Supported fast speech recognition	On the basis of the existing speech recognition jobs, the fast speech recognition configuration is added to support higher recognition efficiency.	2022-10-20	Speech Recognition

September 2022

Update	Description	Release Date	Documentation
Supported creation of batch data processing jobs	You can create batch data processing jobs based on existing data workflows and jobs. You can specify a file list or an inventory file to perform audio/video transcoding jobs and other jobs in batches.	2022-09-06	Configuring Job
Supported adaptive bitrates in audio/video transcoding	You do not need to care about video encoding parameters. COS will automatically get better encoding quality at a smaller bitrate.	2022-09-06	Submitting Audio/Video Transcoding Job
Supported TDMQ/CMQ message queues in workflow callback	Data workflow callback configuration supports TDMQ/CMQ message queues.	2022-09-06	Queues and Callbacks
Supported accelerated	In audio/video transcoding jobs, the accelerated transcoding capability is added, which is applicable to media scenes with	2022-09-06	Submitting Audio/Video

	long duration, large files, and high transcoding timeliness requirements and production of ultra HD videos with large data volume. The accelerated transcoding can deliver up to 30 times faster transcoding.		Transcoding Job
video transcoding			
Changed from monthly settlement to daily settlement	Starting from July 1, 2022, COS storage usage, request, and data retrieval fees were changed from monthly settlement to daily settlement for accounts in batches. The daily settlement mode was fully launched on September 1, 2022.	2022-09-01	Daily Billing for COS Storage Usage, Request, and Data Retrieval

August 2022

Update	Description	Release Date	Documentation
Launched the image repair feature	Recognizes the entity in a specified area in the image to be repaired, and fills in the image texture similar to the surrounding area. It is suitable for commercial photography post-production, social entertainment content production, and other scenarios.	August 15, 2022	Image Repair
Launched the image matting feature	Recognizes the product entity in an image and removes background information to obtain a product material with a transparent background. It is suitable for intelligent generation of e-commerce posters, personalized product recommendation, and other features.	August 15, 2022	Image Matting
Launched the logo recognition feature	Recognizes the e-commerce logo in an image, and returns the name, coordinates, and confidence score of the logo in the image	August 15, 2022	Logo Recognition

July 2022

Update	Description	Release Date	Documentation

Launched the text to speech feature	You can convert text to natural-sounding and smooth speeches in a variety of voices.	2022-07-01	Text to speech
Launched the video quality scoring feature	You can perform no-reference image quality assessment (NR-IQA) on videos.	2022-07-01	Video quality scoring

June 2022

Update	Description	Release Date	Documentation
Launched the custom risk library feature for content moderation	You can customize a risk library to specify the content to be blocked as needed.	2022-06-30	Setting a Custom Risk Library
Launched the live stream moderation feature	You can moderate live streams to detect non-compliant content, including pornographic, advertising, and illegal content.	2022-06-30	Live broadcast review
Launched the audio noise cancellation feature	You can remove noise from audios/videos.	2022-06-30	Audio noise cancellation
Updated the video tagging feature	The system can recognize tags such as scene, object, and person and return the time and coordinates.	2022-06-30	Video tagging
Launched the abnormal image detection feature	The system can recognize abnormal images, such as images with TS video streams, to prevent hotlinking.	2022-06-17	Submit a ticket for consultation.

May 2022

Update	Description	Release Date	Documentation
Launched the moderation	You can report moderation results that are not as expected.	2022-05-25	

			Image Moderation Result Reporting Text Moderation Result Reporting
result reporting feature			
Optimized the document preview feature	The document-to-HTML conversion feature allows you to pass in parameters through JSON to the download link to directly adjust the advanced page settings. The printing prevention feature is added.	2022-05-15	Getting Started

April 2022

Update	Description	Release Date	Documentation
Launched cross-region replication traffic packs	Cross-region replication traffic packs can be used to deduct fees for cross-region replication traffic.	2022-04-28	Pricing | Cloud Object Storage
Launched DEEP ARCHIVE in Singapore region	Objects can be uploaded to DEEP ARCHIVE in Singapore region.	2022-04-25	Uploading an Object
Supported policy-level data for content moderation	The system can display the data such as moderation details and statistics by moderation policy.	2022-04-21	Setting Moderation Policy Moderation Details
Supported the multi-AZ feature in Shanghai region	When creating buckets in Shanghai region, you can enable the multi-AZ feature to implement intra-region disaster recovery.	2022-04-08	MAZ Feature Overview

March 2022

Update	Description	Release Date	Documentation
Supported association of custom service fields in content moderation	You can associate service fields such as user nickname, IP address, and room number with moderation. If service fields are carried when moderation is initiated, these fields will be returned in the moderation result for subsequent handling.	2022-03-25	Content Moderation Overview
Launched smart toolbox	Smart toolbox is an easy-to-use data processing tool integrating both COS and CI features, including image compression, video transcoding, document preview, and AI-enabled content recognition.	2022-03-21	Smart Toolbox User Guide
Launched the COS log analysis feature	The log analysis feature can aggregate and analyze log files generated in the specified time period to extract key metric values for display.	2022-03-21	Setting Log Analysis
Launched common feature templates for custom functions	You can use the custom function processing feature of SCF and data processing workflow together to write core code logic in order to flexibly implement your business needs while reducing your development costs.	2022-03-21	Custom Function Processing
Started the beta test of the video digital (blind) watermark feature	The digital watermark technology hides images and text in the video as watermarks without compromising the video integrity and watch experience.	2022-03-09	Digital Watermark
Supported triggering of inventory directories in workflows	Workflows support triggering and execution of inventory files in an existing entire directory.	2022-03-09	Manually Triggering a Workflow

February 2022

Update	Description	Release Date	Documentation
Launched the media processing feature in Frankfurt region	The media processing feature is launched in Frankfurt region (eu-frankfurt).	2022-02-17	Data Workflow Overview
Launched the H.265 video transcoding feature	H.265 is a more advanced video codec than H.264. It makes videos smaller to save access bandwidth.	2022-02-17	Video Transcoding
Launched the TESHD transcoding feature	The TESHD transcoding feature improves the subjective image quality of a video at a lower bitrate. It makes videos smaller and clearer.	2022-02-17	Top Speed Codec

October 2021

Update	Description	Release Date	Documentation
Supported the blind watermarking feature in all regions	The blind watermarking feature is newly available in all regions outside the Chinese Mainland. It is available in all public cloud regions.	2021-10-21	Blind Watermarking Overview
Launched the media processing - audio/video segmentation feature	The audio/video segmentation feature can divide an audio or video into several segments of the specified duration. It allows you to change the container format of the audio or video segments during segmentation.	2021-10-14	Audio/Video Segmentation
Launched the media processing - super resolution feature	The super resolution feature reconstructs the details and local features of a video by recognizing its content and contour so as to generate a high-resolution video image through a series of low-resolution video images. It can be used in combination with video enhancement to remaster old videos.	2021-10-14	Super resolution

September 2021

Update	Description	Release Date	Documentation
Reduced the unit price of object tags	The published prices of COS are adjusted. The public cloud prices for regions in and outside the Chinese mainland are reduced to 0.00025817 USD/10,000 tags/day and 0.0003098 USD/10,000 tags/day, respectively.	2021-09-30	Pricing | Cloud Object Storage
Reduced the unit price of DEEP ARCHIVE read/write requests	The published prices of COS are adjusted. The public cloud prices for all regions are reduced to 0.07 USD/10,000 requests.	2021-09-30	Pricing | Cloud Object Storage

August 2021

Update	Description	Release Date	Documentation
Launched the file preview/edit features	You can quickly preview files in buckets and edit text files in the console.	2021-08-05	Previewing or Editing Object
Launched the folder sharing feature	You can generate a folder's URL and password and set the URL validity period in the console.	2021-08-05	Sharing Folder
Launched the media processing - video enhancement feature	Media processing provides a series of features, including details enhancement, color enhancement, and SDR to HDR conversion, to enhance the video image quality for better visual effect.	2021-08-03	Configuring a Workflow Configuring Job Template
Launched the media processing - custom function	If the existing services or features of media processing cannot meet your needs, you can use the custom function processing feature of SCF to write core code logic in order	2021-08-03	Custom Function Processing

processing feature	to flexibly implement your business needs while reducing your development costs.		
Launched the media processing - video encryption feature	The HLS standard encryption capability is added to ensure the security of your video data.	2021-08-03	How to Prevent Video Disclosure via HLS Encryption

July 2021

Update	Description	Release Date	Documentation
Launched the custom risk library feature for content moderation	You can use custom risk libraries to manage files that need to block or pass. Based on different uses, the custom risk libraries are classified into black libraries (illegal files) and white libraries (normal files).	2021-07-16	Setting a Custom Risk Library
Launched DEEP ARCHIVE in Chongqing region	Objects can be uploaded to DEEP ARCHIVE in Chongqing region.	2021-07-07	Uploading an Object

June 2021

Update	Description	Release Date	Documentation
Launched the media processing - TESHD transcoding feature	TESHD transcoding makes videos smaller and clearer. It delivers a better visual experience with guaranteed low network resource usage.	June 26, 2021	Configuring a Workflow Configuring Job Template
Launched the media	HDR-to-SDR converts the dynamic range of videos in	June	Configuring a

processing - HDR-to-SDR feature	the cloud. It makes the image details of the output video as close as possible to those of the original video.	26, 2021	Workflow Configuring Job Template
Launched the media processing - video montage feature	This feature recognizes and aggregates the video content, postures, and scenes to quickly clip them professionally.	June 26, 2021	Configuring a Workflow Configuring Job Template
Launched the media processing - voice/sound separation feature	This feature separates the voice from the background sound in a video material to generate a new independent audio file. Then, you can apply artistic processing of other styles to the material.	June 26, 2021	Configuring a Workflow Configuring Job Template
Launched the media processing - HLS adaptive compression feature	Adaptive multi-bitrate video files can be generated quickly for different video players, browsers, and distribution platforms.	June 26, 2021	Configuring a Workflow

May 2021

Update	Description	Release Date	Documentation
Launched Diagnostic Tool	A web tool for troubleshooting error requests	2021-05-27	Diagnostic Tool
Launched CDN Log Backup	An SCF-based feature that helps users save CDN logs to COS to monitor and analyze access behaviors, service quality, and more.	2021-05-24	CDN Log Backup
Launched TDMQ Message Backup	An SCF-based feature that helps users save TDMQ messages to COS to facilitate data analysis and downloads.	2021-05-24	TDMQ Message Backup

April 2021

Update	Description	Release Date	Documentation
Launched DEEP ARCHIVE in Tokyo region	Objects can be uploaded to DEEP ARCHIVE in Tokyo region.	2021-04-29	Uploading an Object
Launched the text moderation feature	The text moderation feature can check text content for pornographic, non-compliant, illegal, advertising, and abusive information.	2021-04-06	Setting Text Moderation
Supported full moderation for existing data	You can create a full moderation job to batch moderate existing image, video, audio, and text files in a bucket at a time.	2021-04-06	Setting a Full Moderation Job
Launched Log Cleansing	An SCF-based feature for log processing. If you upload logs or enable Logging, the cloud function preset by COS will be triggered, which cleanses logs using the SQL expression you set in the function.	2021-04-02	Log Cleansing
Launched CKafka Message Backup	An SCF-based feature that helps users save CKafka messages to COS to facilitate data analysis and downloads.	2021-04-02	CKafka Message Backup

March 2021

Update	Description	Release Date	Documentation
Launched the data workflow feature	Data workflow is a new data processing service launched by COS. It offers two features: workflow and job, which can perform media processing on new and existing data, such as audio/video transcoding, video frame capturing, video conversion to animated images, intelligent thumbnail, and audio/video splicing.	2021-03-20	Data Workflow Overview

Launched DEEP ARCHIVE in Nanjing region	Objects can be uploaded to DEEP ARCHIVE in Nanjing region.	2021-03-01	Overview - DEEP ARCHIVE

February 2021

Update	Description	Release Date	Documentation
Launched Cloud Database Backup	An SCF-based feature that helps save TencentDB backups to COS to avoid data loss or corruption.	2021-02-02	Setting Cloud Database Backup

January 2021

Update	Description	Release Date	Documentation
Image processing supported all public cloud regions	Image processing adds support for public cloud regions outside the Chinese Mainland. In other words, image processing is now available for COS public cloud regions.	2021-01-20	Image Processing Overview Regions and Access Endpoints

December 2020

Update	Description	Release Date	Documentation
Launched Origin-Pull Disaster Recovery	Configuring a backup origin server for COS origin-pull is now supported. In this way, if the origin-pull fails, you can quickly switch to the backup origin-pull address to ensure business smoothness.	2020-12-28	Setting Origin-Pull
Launched the sync origin-pull feature	If sync origin-pull is enabled, COS will directly pull data from the origin server and return the data to the client without returning the 3xx redirection status code.	2020-12-17	Setting Origin-Pull
Upgraded the COS Batch Operation feature	1. Supports copying, adding, and modifying the object tag and metadata during batch copy.2. Optimizes the backend processing logic. Resources are dynamically allocated according to the file quantity, improving the processing efficiency by 50%.	2020-12-09	Batch Operation Overview

November 2020

Update	Description	Release Date	Documentation
Released COSDistCp	COSDistCp is a MapReduce-based distributed file copy tool mainly used for data copy between HDFS and COS.	2020-11-27	COSDistCp Tool
Launched the CSG feature	Cloud Storage Gateway (CSG) is a hybrid cloud storage service provided by Tencent Cloud. You can configure a CSG instance for a bucket in COS, and then the bucket can be mounted to any of your CVM instances as a storage device in the form of a network folder.	2020-11-21	Setting CSG
Launched INTELLIGENT TIERING	The INTELLIGENT TIERING storage class provides a hot/cold data tiering mechanism. It can automatically switch the hot and cold tiers of your data according to the data access mode, thereby reducing your storage costs.	2020-11-12	Overview - INTELLIGENT TIERING

October 2020

Update	Description	Release Date	Documentation
Launched the image advanced compression and audio moderation features	1. The image advanced compression feature allows you to easily convert images into formats that provide a high compression ratio, such as TPG and HEIF. This effectively reduces the transmission time, loading time, and the cost of bandwidth and traffic.2. The audio moderation feature can check audio content for pornographic, illegal, and advertising information.	2020-10-16	Setting Image Advanced Compression Content Moderation Overview
Launched the media processing feature	The media processing feature can perform four processing operations on video files in buckets: file transcoding, video frame capturing, video conversion to animated images, and intelligent thumbnail.	2020-10-15	Creating a Media Processing Job

September 2020

Update	Description	Release Date	Documentation
Iterated the lifecycle feature and launched the bucket overview page	1. The lifecycle feature supports transitioning the historical versions of files to other storage classes. For buckets with multi-AZ configuration enabled, data can be transitioned to MAZ_STANDARD_IA through lifecycle. 2. The COS console provides a global overview of individual buckets, allowing you to view the usage, basic bucket information, and feature and alarm configurations.	2020-09-28	Setting Lifecycle Bucket Overview
Launched DEEP ARCHIVE	The DEEP ARCHIVE storage class provided by COS enables you to archive massive amounts of data for a long time. It offers high cost-effectiveness comparable to that of tape storage to reduce your long-term storage costs.	2020-09-16	Overview - DEEP ARCHIVE

August 2020

Update	Description	Release Date	Documentation
Launched the speech recognition feature	Speech recognition is based on CI. Once enabled, it recognizes recording files in buckets and asynchronously returns recognized text.	2020-08-28	Speech Recognition Overview
Iterated the origin-pull and lifecycle features	1. You can set the specific path to redirect to after an origin-pull rule is triggered, configure multiple origin-pull rules, and modify priorities.2. Lifecycle rules can be applied to specified object tags.	2020-08-05	Setting Origin-Pull Setting Lifecycle

July 2020

Update	Description	Release Date	Documentation
Launched the video moderation feature	Based on Tencent Cloud Infinite, the video moderation service can moderate video files.	2020-07-23	Content Moderation Overview
Launched the MAZ_STANDARD_IA class and the document preview feature	1. COS launched a new storage class MAZ_STANDARD_IA. 2. Based on Tencent Cloud Infinite, the document preview service allows you to preview document files in buckets online without download.	2020-07-03	Storage Class Overview Pricing	Cloud Object Storage File Preview Overview

Launched the CDN cache purge feature	CDN cache purge is a data purge feature provided by COS based on the SCF service. It can automatically purge the data cached on CDN edge servers.	2020-07-01	CDN Cache Purging

June 2020

Update	Description	Release Date	Documentation
Launched the image moderation feature	Based on Tencent Cloud Infinite, the image moderation service can scan image files stored in COS for pornographic, illegal, and advertising information.	2020-06-23	Content Moderation Overview

March 2020

Update	Description	Release Date	Documentation
Launched the features of object tagging and file decompressionRedesigned the console	1. The overview page on the console has been redesigned, allowing you to access Cloud Monitor alarm settings, service release notes, and associated services.2. The file decompression feature is available.3. The object tagging feature is available, enabling you to group and manage objects stored in COS using tags.4. The bucket list now supports sorting, filter by region, and export.	2020-03-30	Object Tag Overview File Decompression Billing Overview
Launched the image processing feature	COS is integrated with Cloud Infinite media solutions to offer various features such as image processing, moderation, and recognition. You can process media data through the COS upload and processing APIs.	2020-03-13	Image Processing Overview

| Launched the global acceleration feature | Tencent Cloud COS now offers global acceleration so that end users around the globe can quickly access your bucket, giving you a better business experience with higher business access success rate and business stability. | 2020-03-10 | Global Acceleration Overview |

February 2020

Update	Description	Release Date	Documentation
Launched MAZ_STANDARD	Tencent Cloud Object Storage launches a multi-AZ storage architecture, which provides data center-level disaster recovery for user data.	2020-02-25	Storage Class Overview Billing Overview

December 2019

Update	Description	Release Date	Documentation
Added support for the Nanjing (China) region	COS is available in the new Nanjing (China) Region (ap-nanjing).	2019-12-19	Regions and Access Endpoints
Launched the bucket encryption feature	By setting bucket encryption, you can now encrypt all newly objects uploaded to a bucket with the specified server-side encryption method by default.	2019-12-16	Bucket Encryption Overview

October 2019

Update	Description	Release Date	Documentation
Launched the batch operation feature	The batch operation feature allows you to perform a specified operation on a specified list of objects in a bucket.	2019-10-22	Batch Operation Overview
Launched the COS Select feature	The COS Select feature uses Structured Query Language (SQL) statements to filter the objects stored in COS so as to extract a specific object and get the desired data.	2019-10-09	SELECT Overview

August 2019

Update	Description	Release Date	Documentation
Launched the logging feature	The logging feature records access details of the specified source bucket, and store them as log files in the specified destination bucket for better bucket management.	2019-08-29	Logging Overview

June 2019

Update	Description	Release Date	Documentation
Launched the versioning feature	By enabling versioning, you can store multiple versions of an object in a bucket.	2019-06-20	Versioning Overview
Launched Cross-	After a cross-bucket replication rule is configured, incremental objects can be automatically replicated asynchronously from	2019-06-20	Cross-Bucket Replication

Bucket Replication	and to buckets across different regions.		Overview
Added support for custom endpoints	You can associate a custom domain name to the current bucket, and access the objects in the bucket via the custom domain name.	2019-06-10	Domain Name Management
Launched the inventory feature	Inventory is a feature that helps you manage objects in a bucket and can gradually replace the List API operation in COS.	2019-06-03	Inventory Overview

May 2019

Update	Description	Release Date	Documentation
Launched the bucket tagging feature	A tag can be used as an identifier for easier bucket grouping and management.	2019-05-10	Bucket Tag Overview

April 2019

Update	Description	Release Date	Documentation
Launched the feature of direct upload to COS archive	You can now upload objects directly into COS ARCHIVE storage class.	2019-04-26	Direct Upload to COS ARCHIVE

November 2018

Update	Description	Release Date	Documentation

| Canceled forced pop-up download prompt for the default domain name in regions outside the Chinese mainland | For regions outside the Chinese mainland, COS now allows users to directly use a domain name provided by Tencent Cloud to open a recognizable object in their browser and no longer requires binding a custom domain name. | 2018-11 | - |

October 2018

Update	Description	Release Date	Documentation
Added support for managing access permissions through policies and ACLs	Users are now able to manage access permissions through policies and ACLs. You can specify who can perform the operation, what operation can be performed, and under what conditions. This helps meet permission management needs in multiple dimensions, both at the team-level and resource-level.	2018-10	-

August 2018

Update	Description	Release Date	Documentation
Added support for the Tokyo (Japan) region	COS is available in the new Tokyo (Japan) Region (ap-tokyo).	2018-08	Regions and Access Endpoints
Provided new COS console in Beta	Supported more regionsThe new console uses new APIs and supports more regions. Added featuresThe new console supports new features such as lifecycle management.Note:1. Documents that describe COS features and examples will be updated as per the new console.2.	2018-08	Console Overview

Subsequently, new features will only be launched in the new console and will no longer be available in the old console.

June 2018

Update	Description	Release Date	Documentation
Released the COS plugin for Hadoop to support big data scenarios	The COS plugin for Hadoop is officially released and can be directly imported into the Hadoop environment. After modifying the `core-site.xml` configuration file, you can directly access data stored in COS over the `cosn://` protocol.	2018-06	Hadoop Tool
Added support for binding a private bucket to CDN for access	COS supports access through CDN. In addition to public buckets, you can now also bind private buckets to CDN for access. In addition, after CDN security authentication is enabled, your data will be protected in the CDN edge cache while enjoying global CDN acceleration.	2018-06	-

May 2018

Update	Description	Release Date	Documentation
Added support for the Bangkok regions	COS is now available in more new regions around the globe, including Bangkok (ap-bangkok) regions.	2018-05	Regions and Access Endpoints

April 2018

Update	Description	Release	Documentation

		Date	
Added support for request creation with PATH	In addition to supporting virtual hosted domain names, COS now also supports access through domain name paths. A request to a regional root node `cos.[region].myqcloud.com` will return the bucket and object information of the region. This is compatible with AWS S3 access methods and AWS Authentication V4 signatures. After configuring the corresponding keys and nodes, you can directly access COS by using various S3 code and tools.	2018-04	-
Added support for the Silicon Valley, Virginia (Ashburn), Seoul, and Mumbai regions	COS is now available in the Silicon Valley (na-siliconvalley), Virginia (Ashburn, na-ashburn), Seoul (ap-seoul), and Mumbai (ap-mumbai) regions.	2018-04	Regions and Access Endpoints

December 2017

Update	Description	Release Date	Documentation
Added support for daily billing of COS traffic	To keep you updated on traffic usage and fees, the billing period for COS traffic is changed from monthly to daily, while other billable items are still billed monthly.	2017-12-15	Billable Items

September 2017

Update	Description	Release Date	Documentation
Added support for	COS is now available in the Chengdu, Hong Kong (China), Singapore, Toronto, and Frankfurt regions, providing global	2017-09	Regions and Access

| COS in more regions around the globe | users with the ability to store and access data nearby. The public network traffic prices in the Chinese mainland are reduced. | | Endpoints |

Announcements

Notification on Service Suspension Policy Change in Case of Overdue Payment for COS Pay-As-You-Go (Postpaid)

Last updated：2024-04-22 10:45:32

Overview

COS will change the **pay-as-you-go (postpaid) overdue service suspension policy,** to help users better manage storage resources and costs**.** For details on this policy change, see below. For information on COS's arrears logic, please refer to payment overdue.

Change content

If your account is overdue by 1 day, the **default data retention period** in COS will be adjusted from **120 Days** to **15 Days**.

Change Time

Detailed as follows:

Starting from April 15, 2024: The change of the service suspension policy for overdue COS pay-as-you-go (postpaid) payment will **begin notification**.

Note:

Notification Method: message center, Email, SMS.

If you have previously enabled COS service, you will receive a notification. After receiving the notification, you can still use the COS service normally.

You can view the change information in the pop-up of the console and confirm that you are aware of this policy update. If you have already confirmed before, please ignore.

Starting from April 30, 2024: The new service suspension policy for overdue COS pay-as-you-go (postpaid) payment will **become effective**.

Starting from May 15, 2024: The new service suspension policy for overdue COS pay-as-you-go (postpaid) payment will **begin execution**.

Change Logic

One day after the account becomes overdue, the COS data has not been cleared, and the account is in the service suspension period (i.e., quarantine period) of overdue state for N days:
If N ≥ 15: Following the policy change on May 15, 2024, the data retention period will change from 120 days to 15 days. The account's COS data will be terminated. After the data termination, no further storage capacity fees will be incurred.
If N ˂ 15: Following the policy change on May 15, 2024, the data retention period will change from 120 days to 15 days. The account's COS data will continue to incur charges, generating storage capacity fees, until the data is terminated.
Note:
This change only involves the pay-as-you-go (postpaid) billing mode for COS, and does not involve resource packages (prepaid).

This change only affects accounts that enter the service suspension period (quarantine period) of overdue state after being overdue for 1 day. For details, see change logic and use cases.

This change does not affect accounts in the normal state (not overdue), accounts within the protection period of of overdue state (overdue for less than 1 day), or accounts in the resource recycling period of overdue state (data already terminated).

Use Cases

Case 1: N ≥ 15 days

Xiaoyun's account became overdue on April 14, 2024. One day after the account was overdue, the data in COS was not handled, and the system will retain it for 120 days by default. Following the change of the service suspension policy for overdue COS pay-as-you-go (postpaid) payment on May 15, 2024, the default retention period for COS data in Xiaoyun's account changed to 15 days. From April 15, 2024 to May 15, 2024, there are 30 days in total. Since 30 days is longer than the default retention period of 15 days, after the change, Xiaoyun's account data will be terminated, and no further storage capacity fees will be incurred.

Case 2: N ˂ 15 days

Xiaoming's account became overdue on May 10, 2024. One day after the account was overdue, the data in COS was not handled, and the system will retain it for 120 days by default. Following the change of the service suspension policy for overdue COS pay-as-you-go (postpaid) payment on May 15, 2024, the default retention period for COS data in Xiaoming's account changed to 15 days. From May 11, 2024, to May 15, 2024, there are 5 days in total. Since 5 days is shorter than the default retention period of 15 days, after the change, Xiaoming's account data will continue to be retained for 10 more days. During the data retention period, storage capacity fees will be incurred.

Change Details

Billing Mode	Account Status	Service Suspension Policy	Change Description
COS Pay-as-You-Go (Postpaid)	Account overdue	Precondition: The account is overdue, and COS data is not cleared. Details: According to the generated bill, execute deduction. If the account balance is insufficient, and the sum of available balance and frozen amount is still negative, it is impossible to complete the deduction, and the account enters the Overdue state.	Unchanged
	Protection period of overdue state	Precondition: The account is within 1 day of being overdue, COS data has not been cleared, and it is in the Overdue State Protection Period. Details: COS: Service is available, and data can be read and written. Console: There are overdue notifications and processing suggestions. Notification: The system will send a reminder when there is an overdue payment. Note: Please top up in time during this period to ensure your account balance is greater than or equal to 0, to avoid impacting service operation. Remarks: Notification method: Includes voice calls, Short Message Service, email, and the Message Center (subject to the actual receipt channels and recipients as configured in the user's message subscription configuration).	Unchanged
	Service	Precondition: The account has been overdue for 1	**Starting from May**

suspension period (quarantine period)	day, and COS data has not been cleared, entering the Overdue State Service Suspension Period (i.e., Quarantine Period). Details: COS: Service is unavailable, and data cannot be read or written. Console: There are overdue notifications and processing suggestions. Notification: The system will send a service suspension notification during this period. Note: **Given the importance of data, your data in COS is retained by default for 15 days.** If you do not need to keep the data, please clear it immediately. For details, see clearing buckets and deleting buckets. If you need to continue using COS, please top up in the console. Service will resume automatically once your account balance is greater than or equal to 0. If you attempt to access data at this time, the server will return a 451 error and log the request. This request will incur request fees. If the data is not cleared and occupies storage space, it will incur storage usage fees. These fees will accumulate until the data is terminated.	**15, 2024, after your account is overdue by 1 day, the default data retention period in COS will be adjusted from 120 days to 15 days.**
Resource recycling period (termination period) of overdue state	Precondition: The account has been overdue for 1 day, and COS data has not been cleared. **After 15 days in the service suspension period (i.e., quarantine period) of overdue state, it enters the resource recycling (i.e., termination) period of overdue state.** Details: COS: Service is unavailable, and data cannot be read or written. Console: There are overdue notifications and processing suggestions. Notification: The system will send a resource recycling notification during this period. Note: **At this point, you will be deemed to have voluntarily given up COS service. Tencent Cloud does not promise to continue retaining your data, and it will be terminated and cannot be restored. Tencent Cloud bears no**	**Starting from May 15, 2024, after your account is overdue by 1 day, the default data retention period in COS will be adjusted from 120 days to 15 days.**

		responsibility for compensation. If needed, please top up to recover the service as soon as possible.	

Note:

Notification methods include voice calls, Short Message Service, email, and the Message Center. The actual receipt method and recipients are subject to the user's message subscription configuration.

Relevant Guidelines

How do I view billable item information?

For COS billable items, you can learn more in pay-as-you-go.

How do I view bills?

You can log in to the Tencent Cloud console, view and download bills in the **Billing Center**'s bills-bill overview. For an introduction to bills, please refer to bill introduction.

Contact Us

If you have any questions, feel free to contact us at any time. Thank you for your support of Tencent Cloud. We will continue to offer you with more cost-effective products.

Implementation Notice for Security Management of COS Bucket Domain (Effective January 2024)

Last updated：2023-11-07 16:45:05

Starting from January 1, 2024, to ensure the security and stability of the overall service, the Cloud Object Storage (COS) service will impose the following restrictions on the use of bucket domain:

For buckets created after January 1, 2024, COS will not support the use of path-style domain.

For buckets created after January 1, 2024, if the COS default domain is used to access objects, previewing of any file type will not be supported, and downloading of apk, ipa file types will not be permitted.

Path-Style Domain Not Supported

For buckets created after January 1, 2024, the use of path-style domain is not supported, only virtual-hosted-style domain is permitted. Existing buckets remain unaffected, however, it is recommended to prioritize the use of virtual-hosted-style domain.

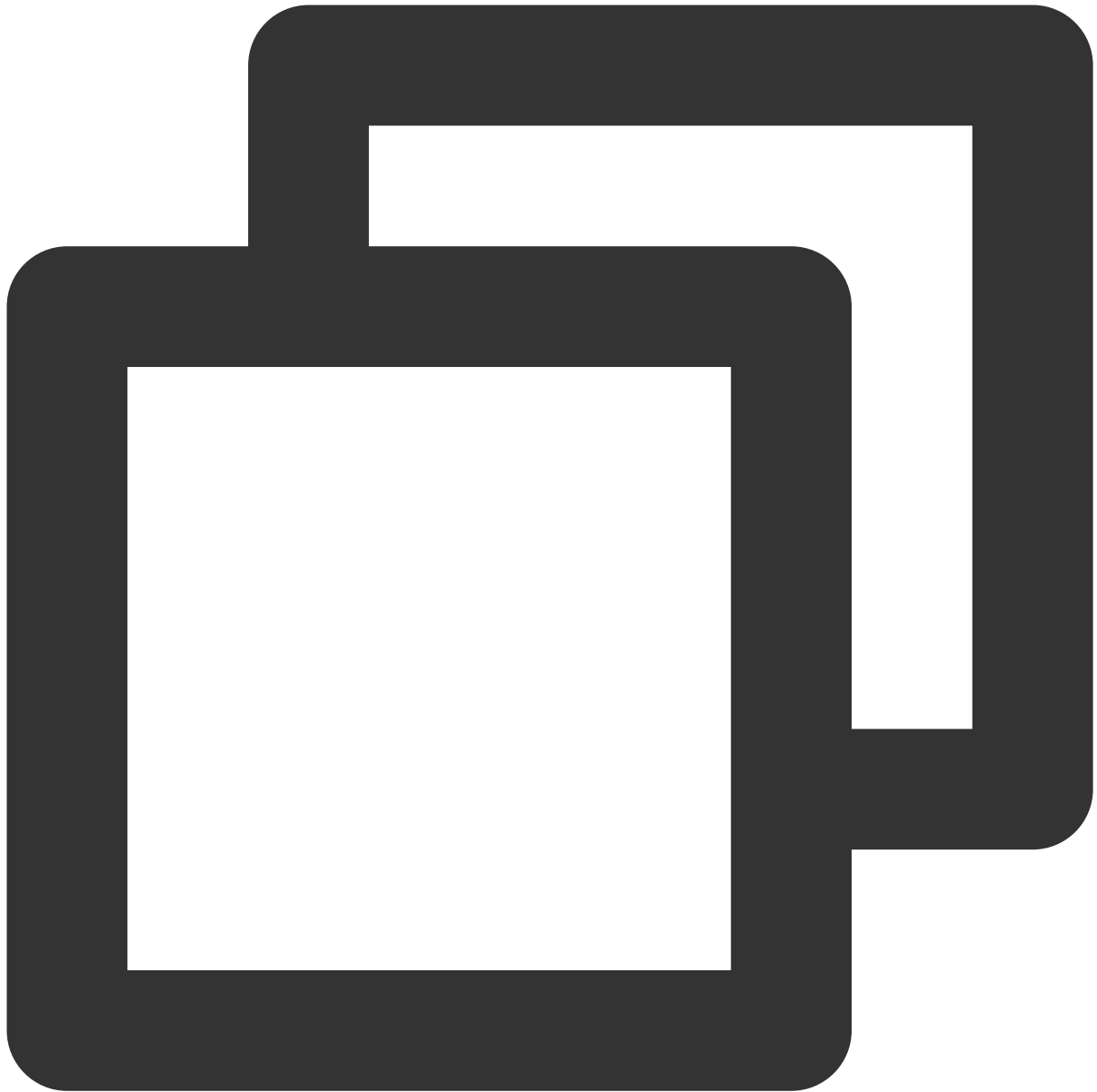| Domain Name Format	Example
path-style	`cos.<Region>.myqcloud.com/<BucketName-APPID>`
virtual-hosted-style	`<BucketName-APPID>.cos.<Region>.myqcloud.com`

Default Domain Do Not Support Preview, APK and IPA File Types Do Not Support Download

For buckets created after January 1, 2024, if users access files using default domain (including default bucket domain, static website domain, and global acceleration domain), any type of file will not support preview but will be directly downloaded. COS will add two headers in the return header:

```
x-cos-force-download：true
Content-Disposition: attachment
```

For buckets created after January 1, 2024, if users access apk or ipa type files (with file extensions .apk or .ipa) using the default domain (including the default bucket domain, static website domain, and global acceleration domain), download requests will return an error. An example of the error message is as follows:

```
HTTP/1.1 400 Bad Request

<?xml version="1.0" encoding="UTF-8"?>
<Error>
    <Code>DownloadForbidden</Code>
    <Message>The APK/IPA file is not allowed to be distributed in a public network
</Error>
```

If you want to preview files directly through your browser or download apk, ipa type objects stored within the bucket, please access the objects via a custom domain. For more information, see Enabling Custom Origin Server Domains.

For buckets created prior to January 1, 2024, the preview and download behavior of the default bucket domain remains unaffected. However, it is recommended that you prioritize the use of a custom domain.

Notification of Price Reduction for COS Retrieval and Storage Capacity Charges

Last updated：2023-12-27 10:05:27

Overview

Starting from November 15, 2023, the prices for several billable items such as the Select feature and storage capacity in certain regions (mainly overseas regions) of Cloud Object Storage (COS) will be reduced.The price reduction involves multiple billable items and regions, with a maximum reduction of 45%.The specific price reduction range is related to the historical prices of the billable item in that region. For the most recent prices, please refer to the official Product Pricing, Price Calculator, and Storage Usage Fees.

Price Adjustment Notice

The price adjustment applies from November 15, 2023, until the next COS price adjustment.
This price adjustment involves only the costs of the billable items specified in this notice, and does not affect fees associated with other billable items (such as traffic, requests, data retrieval, and so on).
This price adjustment is specific to certain regions. If prices in some regions have not changed, those regions are not included in this price adjustment.

Release Time

This price adjustment is rolled out in two phases, with prices of different billable items being reduced in different phases.
Where:
November 15, 2023: In the first phase of the price reduction, the pay-as-you-go published prices of Management Feature - Select Feature Fees are adjusted.
January 15, 2024: In the second phase of the price reduction, the pay-as-you-go published prices for storage capacities (STANDARD, STANDARD_IA, ARCHIVE, and INTELLIGENT TIERING) are adjusted.

Price Adjustment Details

The pricing adjustment for COS billable items is detailed below:

Adjustment Time	Adjustment Type	Adjusted Billing Item	Pricing Details
January 15, 2024	Pay-as-You-Go Price Reduction	STANDARD storage capacity	Billable item: **STANDARD storage capacity in COS** Price: The published price for the public cloud regions within the Chinese Mainland has been reduced to 0.016 USD/GB/month. For Hong Kong (China) and overseas regions, the published price has been reduced to 0.017 USD/GB/month. Billing cycle: Daily. Each day, the cost from 00:00:00 to 23:59:59 (UTC+8) of the previous day is billed. Note: (1) The price will take effect on the bill dated January 15, 2024, reflecting resource usage during the period from 00:00:00 to 23:59:59 (UTC+8) on January 14, 2024. (2) If the existing price for a region is lower than the target price after reduction, the price for that region will remain unchanged.
January 15, 2024	Pay-as-You-Go Price Reduction	MAZ_STANDARD storage capacity	Billable item: **MAZ_STANDARD storage capacity in COS** Price: The published price for the public cloud regions within the Mainland China has been reduced to 0.0195 USD/GB/month. For Hong Kong (China) and overseas regions, the published price has been reduced to 0.002 USD/GB/month. Billing cycle: Daily. Each day, the cost from 00:00:00 to 23:59:59 (UTC+8) of the previous day is billed. Note: (1) The price will take effect on the bill dated January 15, 2024, reflecting resource usage during the period from 00:00:00 to 23:59:59 (UTC+8) on January 14, 2024. (2) If the existing price for a region is lower than the target price after reduction, the price for that region will remain unchanged.
January 15, 2024	Pay-as-You-Go Price Reduction	STANDARD_IA storage capacity	Billable item: **STANDARD_IA storage capacity in COS**

			Price: The published price for the public cloud regions within the Mainland China has been reduced to 0.01 USD/GB/month. For Hong Kong (China) and overseas regions, the published price has been reduced to 0.011 USD/GB/month. Billing cycle: Daily.Each day, the cost from 00:00:00 to 23:59:59 (UTC+8) of the previous day is billed. Note: (1) The price will take effect on the bill dated January 15, 2024, reflecting resource usage during the period from 00:00:00 to 23:59:59 (UTC+8) on January 14, 2024. (2) If the existing price for a region is lower than the target price after reduction, the price for that region will remain unchanged.
January 15, 2024	Pay-as-You-Go Price Reduction	MAZ_STANDARD_IA storage capacity	Billable item: **MAZ_STANDARD_IA storage capacity in COS** Price: The published price for the public cloud regions within the Mainland China has been reduced to 0.0132 USD/GB/month. For Hong Kong (China) and overseas regions, the published price has been reduced to 0.0138 USD/GB/month. Billing cycle: Daily.Each day, the cost from 00:00:00 to 23:59:59 (UTC+8) of the previous day is billed. Note: (1) The price will take effect on the bill dated January 15, 2024, reflecting resource usage during the period from 00:00:00 to 23:59:59 (UTC+8) on January 14, 2024. (2) If the existing price for a region is lower than the target price after reduction, the price for that region will remain unchanged.
January 15, 2024	Pay-as-You-Go Price Reduction	ARCHIVE storage capacity	Billable item: **ARCHIVE storage capacity in COS** Price: The published price for the public cloud regions within the Mainland China has been reduced to 0.004 USD/GB/month. For Hong Kong (China) and overseas regions, the published price has been reduced to 0.0045 USD/GB/month.

			Billing cycle: Daily.Each day, the cost from 00:00:00 to 23:59:59 (UTC+8) of the previous day is billed. Note: (1) The price will take effect on the bill dated January 15, 2024, reflecting resource usage during the period from 00:00:00 to 23:59:59 (UTC+8) on January 14, 2024. (2) If the existing price for a region is lower than the target price after reduction, the price for that region will remain unchanged.
January 15, 2024	Pay-as-You-Go Price Reduction	INTELLIGENT_TIERING storage capacity	Billable item: **INTELLIGENT_TIERING storage capacity in COS** Price: The published price for the public cloud in Hong Kong (China) and overseas regions is the same as that of the converted storage. Billing cycle: Daily.Each day, the cost from 00:00:00 to 23:59:59 (UTC+8) of the previous day is billed. Note: (1) The price will take effect on the bill dated January 15, 2024, reflecting resource usage during the period from 00:00:00 to 23:59:59 (UTC+8) on January 14, 2024. (2) If the existing price for a region is lower than the target price after reduction, the price for that region will remain unchanged.
November 15, 2023	Pay-as-You-Go Price Reduction	Management Features - Select Feature Fees	Billable items: **COS STANDARD Select feature fee, STANDARD_IA Select feature fee, MAZ_STANDARD Select feature fee, and MAZ_STANDARD_IA Select feature fee** Price: The published price for the public cloud in the Frankfurt region has been reduced from 0.0025 USD/GB to 0.00225 USD/GB. Billing cycle: Daily.Each day, the cost from 00:00:00 to 23:59:59 (UTC+8) of the previous day is billed. Note: The price will take effect on the bill dated November 15, 2023, reflecting resource usage during the period from 00:00:00 to 23:59:59 (UTC+8) on November 14, 2023.

Related Guides

How to View Pricing

For information on the pricing of pay-as-you-go (post-payment) and resource packages (prepayment) in COS, see Pricing | Cloud Object Storage. You can also estimate the costs using the Price Calculator.

How to View Billable Item Information

For information about the billable items in COS, see Pay-as-You-Go. For further information about the billable items related to this price adjustment, see the following documentation:

Storage Usage Fees

Management Features - Select Feature Fees

How to View Resource Pack Information

For information about the resource packages in COS, see Resource Pack Overview.

How to View Bills

Log in to the Tencent Cloud official website console and download your bill under Bill Overview section in BILLING. For more information about the bill, see Fields in Bills.

Directions

1. Log in to the Tencent Cloud console.

2. Click on **Cost** in the upper-right navigation bar, select Billing center, to enter the Bill Overview page.

3. Click **Bills** > Bill Overview to open the Bill Overview page.On this page, you can view detailed billing data.

4. At Bill Download,you can download your bills.It is recommended that you **Download L3: Bill Details** for a detailed view of your billing data.

Troubleshooting

For any questions, please contact us. Thank you for your enduring support for Tencent Cloud. We will be committed to providing you with the most cost-effective products.

Daily Billing for COS Storage Usage, Request, and Data Retrieval

Last updated：2022-06-30 16:40:09

Overview

Starting from July 1, 2022, the settlement cycle of COS **storage usage, request, and data retrieval** billable items will be changed from **monthly** to **daily** for you to better manage your fees. This change will be performed on a rolling basis. The change time will be as notified to you by Message Center, email, or SMS. The generated bills will remain unchanged and you do not need to perform any operations.

Note:

Billing mode and billing cycle: COS is pay-as-you-go (postpaid) by default.

Monthly settled resources: Fees incurred from 00:00 on January 1 to 23:59 on January 31 will be deducted on February 1. The record will be posted to the bill for February by deduction cycle and to the bill for January by billing cycle.

Daily settled resources: Fees incurred from 00:00 to 23:59 on January 31 will be deducted on February 1. The record will be posted to the bill for February by deduction cycle and to the bill for January by billing cycle.

Release Time

Starting from July 1, 2022, the settlement cycle will be changed from monthly to daily on a rolling basis. The change time will be as notified to you by Message Center, email, or SMS. After the change is completed, the bill for a day will be issued the next day. We recommend you pay attention to the bill changes.

Change Details

Billing cycle

Billable Item	Before Change	After Change
Storage usage, request, and data retrieval	Settled monthly. Fees incurred in a month will be settled and billed on the first day of the next month.	Settled daily. Fees incurred on a day will be settled and billed on the next day.
Traffic and	Settled daily. Fees incurred on a day will be	Unchanged.

management feature	billed on the next day.		

Unit prices of billable items

The unit prices of billable items after this change are as described below:

Billable Item	Description	Pricing	Billing Cycle
Storage usage	Billed by storage usage and storage period	The price in USD/GB/month is relevant to the billing cycle, where "month" refers to 30 days. If settled daily, the price needs to be converted as follows: daily unit price = monthly unit price / 30. For example, if the monthly unit price of STANDARD storage usage in Beijing region is 0.024 USD/GB/month, its daily unit price is 0.024 / 30 = 0.0008 USD/GB/day.	Daily
Request	Billed by the number of requests sent to COS	The price in USD/10,000 requests is irrelevant to the billing cycle. The price does not need to be converted if settled daily. For example, if the price of STANDARD read and write requests in Beijing region is 0.002 USD/10,000 requests, it remains unchanged no matter whether settled daily or monthly.	Daily
Data retrieval	Billed by the actual amount of retrieved data	The price in USD/GB is irrelevant to the billing cycle. The price does not need to be converted if settled daily. For example, if the price of STANDARD_IA data retrieval in Beijing region is 0.002 USD/GB, it remains unchanged no matter whether settled daily or monthly.	Daily

Note:

Storage usage: It will be billed **by month of 30 days** if settled monthly or by the **actual number of days in each month** if settled daily.

Notes on bill fluctuations: Even if the monthly usage remains the same, the storage usage fees will still fluctuate. If you use storage capacity for a whole month, the usage will be billed by 31 days for January, 28 (or 29) days for February, and 30 days for April.

Billing formula

After this change, the billing formula of each billable item for different settlement cycles are as described below:

Billable Item	Subitem	Billing Formula	Billing Cycle
Storage usage	Storage usage	Storage usage fees = monthly storage usage unit price * monthly storage usage	Monthly

		Storage usage fees = daily storage usage unit price * daily storage usage = monthly storage usage unit price / 30 * sum of 5-minute storage usage / 288	Daily
Request	Read request	Read request fees = unit price per 10,000 requests * monthly accumulated number of requests / 10,000	Monthly
		Read request fees = unit price per 10,000 requests * daily accumulated number of requests / 10,000	Daily
	Write request	Write request fees = unit price per 10,000 requests * monthly accumulated number of requests / 10,000	Monthly
		Write request fees = unit price per 10,000 requests * daily accumulated number of requests / 10,000	Daily
	Retrieval request	Retrieval request fees = unit price per 10,000 requests * monthly accumulated number of requests / 10,000	Monthly
		Retrieval request fees = unit price per 10,000 requests * daily accumulated number of requests / 10,000	Daily
	Object monitoring	Object monitoring fees = unit price per 10,000 monitored objects * monthly accumulated number of objects / 10,000	Monthly
		Object monitoring fees = unit price per 10,000 monitored objects / 30 * daily accumulated number of objects / 10,000	Daily
Data retrieval	Data retrieval	Data retrieval fees = unit price per GB * monthly amount of retrieved data	Monthly
		Data retrieval fees = unit price per GB * daily amount of retrieved data	Daily

FAQs

How do I view bills?

You can log in to the Tencent Cloud console to view and download bills in Billing Center > Bills.

Directions

1. Log in to the Tencent Cloud console.

2. Click **Billing Center** in the top-right corner to enter the overview page.

3. Click **Bills** > **Bill Details** to enter the **Bill Details** page.

4. On the **Bill by Instance** tab, select **COS** from the drop-down list to view your COS usage by region, billing mode, transaction type, etc.

5. Download bills in **Download Center**.

How do I view prices?

For the pay-as-you-go (postpaid) pricing of COS, see Pricing | Cloud Object Storage. You can also estimate your costs by using the Price Calculator.

How do I view the information of billable items?

For more information on COS billable items, see Pay-as-You-Go. For more information on the billable items involved in this change, see the following documents:

Storage Usage Fees

Request Fees

Data Retrieval Fees

Questions?

If you have any questions about this change, contact us for assistance.

COS Will Stop Supporting New Default CDN Acceleration Domains

Last updated：2022-06-06 10:59:16

Starting from May 9, 2022, COS will stop supporting default CDN acceleration domains for buckets that have never used them. This change will not affect buckets that are using or once used default CDN acceleration domains. However, we recommend you switch to custom CDN acceleration domains instead. To learn more about CDN acceleration, see Setting CDN Acceleration.
The change will affect users differently.

New COS user

COS will not support default CDN acceleration domains for COS users registered after May 9, 2022.

Existing COS user

Bucket	Support for Default CDN Acceleration Domain
New buckets	COS will not support default CDN acceleration domains for buckets created after May 9, 2022.
Existing buckets that have never used default CDN acceleration domains	COS will not support default CDN acceleration domains for buckets that have never used them before May 9, 2022.
Existing buckets that once used default CDN acceleration domains	Buckets that used default CDN acceleration domains before May 9, 2022 can continue to use them.
Existing buckets that are using default CDN acceleration domains	Buckets that are using default CDN acceleration domains can continue to use them after May 9, 2022.

Viewing default CDN acceleration domains

Buckets that are using or once used default CDN acceleration domains can continue to use them after May 9, 2022. You can view the default CDN acceleration domains under your account via two methods.

Method 1: via the COS console

1. Log in to the COS console.
2. Go to **Bucket List**, click a bucket, and go to **Domains and Transfer** > **Default CDN Acceleration Domain** to view the enabled default CDN acceleration domain of the bucket. If the domain is disabled, you can view it in the CDN console.

Method 2: via the CDN console

Go to the CDN console > **Domain Management** to view the default CDN acceleration domains you used or are using. If a domain is in the format of ".file.myqcloud.com" and its origin type is "Tencent Cloud COS Origin", then its corresponding bucket can continue to use the default CDN acceleration domain.

Note:

Buckets whose default CDN acceleration domains are disabled as of May 9, 2022 can continue to use the domains. However, the CDN console does not keep records of deleted CDN acceleration domains. Therefore, buckets whose default CDN acceleration domains are deleted can no longer use them after May 9, 2022.