

Cloud Object Storage Release Notes and Announcements



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Release Notes

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February 2026

Update	Description	Release Date	Documentation
Riyadh region goes live	Cloud Object Storage (COS) goes live in a new region: Riyadh (me-saudi-arabia).	2026-02-04	Regions and access endpoints

September 2025

Update	Description	Release Date	Documentation
Beijing Finance and Shanghai Finance now support new storage types.	Beijing Finance added support for archive storage. Shanghai Finance added support for archive storage and deep archive storage (multi-AZ).	2025-09-24	Storage type overview

June 2025

Update	Description	Release Date	Documentation
SSE-KMS encryption supports new regions	SSE-KMS encryption added support for the Bangkok region.	2025-06-12	Setting bucket encryption

May 2025

Update	Description	Release Date	Documentation
Lifecycle "last access time" settlement supports new regions.	Lifecycle "last access time" settlement supports the Nanjing region.	2025-05-22	Setting lifecycle
SQL Server data backup supports new regions	SQL Server data backup added support for the Singapore and Bangkok regions.	2025-05-07	SQL Server data backup

March 2025

Update	Description	Release Date	Documentation
Region decommission	The Mumbai region is officially decommissioned. Please select other Tencent Cloud COS regions.	2025-03-17	Common FAQs on Availability Zone Operation Termination
Intelligent document preview beta test goes live	Online file preview is now integrated with the DeepSeek thinking model, supporting you to perform quick summary analysis during document preview.	2025-03-13	Intelligent document

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February 2025

Update	Description	Release Date	Docum entatio n
Ops center – Security managem ent goes live	Support the security management feature to help users identify, assess, and manage bucket configuration risks	2025-02-26	Securit y manag ement
Intelligent tiering supports new regions.	Intelligent tiering newly supports the Virginia region.	2025-02-17	Introdu ction to Intellige nt Tiering Storag e

October 2024

Update	Description	Release Date	Docum entatio n
Optimizatio n of custom origin server domain feature.	Custom origin server domain supports quick registration, certificate hosting to SSL, and certificate validity period display; supports configuring global acceleration origin server type domain certificates.	2024-10-14	Enable Custom Origin Server Domai n
Optimizatio n of bucket feature.	Support for bucket temporary key generation API.	2024-10-14	Genera ting and Using Tempor

			ary Keys
Optimization of log management feature.	Access logs support the X-Forwarded-For field.	2024-10-14	Log Management Overview
Inventory feature optimization	Instant inventory supports progress query, file size filtering and other features.	2024-10-14	Inventory Overview
Add new event notification types	Add new event notification types such as object tags, PutObjectACL.	2024-10-14	Event Notification
Optimization of bucket replication feature	Cross-region replication supports inventory migration and encrypted object replication.	2024-10-14	Bucket Replication Overview

September 2024

Update	Description	Release Date	Documentation
Lifecycle feature supports new regions	The lifecycle Atime settlement feature newly supports Shanghai autonomous driving and Singapore region.	2024-09-19	Set Lifecycle
Bucket theft risk detection feature	Security management supports bucket theft risk detection, allowing users to quickly complete the configuration.	2024-09-19	Theft Risk Detection

is launched			
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August 2024

Update	Description	Release Date	Documentation
Log Reporting Feature Is Launched	The Ops center Adds Support for Log Reporting and Analysis of COS Client and SDK.	2024-07-26	Client Log Reporting and Analysis

July 2024

Update	Description	Release Date	Documentation
New Monitoring Alarm Metrics Added	Added consumption count and production count for cross-region replication.	2024-07-26	Cloud Object Storage Monitoring Metrics
Image smart compression supports persistent	Image smart compression newly supports direct processing during image upload. Just add the Pic-Operations item in the request packet header and set the smart compression parameters.	2024-07-04	Use Smart Compression via API

processing.			
Upgrade of text blind watermark	Text blind watermark adds 3.0 version, which can resist any cropping above 384 x 384 pixels, and supports returning watermark information in string form during extraction.	2024-07-04	Image Blind Watermark

June 2024

Update	Description	Release Date	Documentation
Optimization of lifecycle feature	Multi-AZ type buckets support the lifecycle Atime settlement function.	2024-06-27	Set Lifecycle
Log feature fully online.	Fully support log search feature, providing TOP URL and TOP IP log search and analysis functions.	2024-06-27	Set log retrieval
New monitoring API metrics added.	Added offline origin-pull bandwidth and synchronous origin-pull bandwidth.	2024-06-27	Cloud Object Storage Monitoring Metrics
Online while transcoding	After uploading a video, you can start playing immediately without waiting, and synchronize triggering transcoding according to playback needs to reduce a large amount of traditional pre-transcoding processing, which helps you significantly lower business costs and brings a brand-new playback experience.	2024-06-12	Online While Transcoding

Intelligent Retrieval Metalnsight open beta online	Provide COS file statistics query function, as well as newly upgraded cross-modal retrieval capabilities such as face retrieval and image-text retrieval.	2024-06-01	Intelligent Retrieval Metalnsight
Traffic anti-fraud optimization	Anti-fraud detection capability supports notification methods such as voice calls, Short Message Service (SMS), WeChat, emails, and in-site messages.	2024-06-01	Billing Measurement Issues

May 2024

Update	Description	Release Date	Documentation
Added alarm metrics	Add new alarm metrics: standard storage capacity, number of files, fragment file count, infrequent access storage capacity, file quantity, fragment quantity, archive storage capacity, file quantity, fragment quantity, deep archive storage capacity, file quantity, fragment quantity, intelligent tiering storage capacity, file quantity, fragment quantity, multi-AZ standard storage capacity, number of files, fragment file count, multi-AZ infrequent access storage capacity, file quantity, fragment quantity.	2024-05-25	Cloud Object Storage Monitoring Metrics
Change in pay-as-you-go (postpaid) overdue	Change in COS pay-as-you-go (postpaid) arrears and service suspension policy. After the account is in arrears, the default data retention period in COS is adjusted from 120 days to 15 days.	2024-05-15	Payment Overdue

payment service suspension policy			
New Monitoring Alarm Metrics Added	Add deep archive storage read request and deep archive storage write request.	2024-05-15	Cloud Object Storage Monitoring Metrics

April 2024

Update	Description	Release Date	Documentation
Monitoring alarm metrics update	Added monitoring metrics for average latency of GET requests, HEAD requests, and PUT requests.	2024-04-30	Cloud Object Storage Monitoring Metrics

January 2024

Update	Description	Release Date	Documentation
Storage capacity price reduction	Standard storage capacity, low-frequency storage capacity, archive storage capacity, and intelligent-tiered storage capacity of Cloud Object Storage COS are adjusted with a published price reduction.	2024-01-15	Product Pricing

Monitoring alarm metrics update	Added intra-region replication upstream traffic, intra-region replication upload bandwidth, intra-region replication downstream traffic, and intra-region replication downstream bandwidth.	2024-01-15	Cloud Object Storage Monitoring Metrics
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December 2023

Update	Description	Release Date	Documentation
Storage capacity resource package price reduction	The standard storage capacity package, low-frequency storage capacity package, and intelligent-tiered storage capacity package of Cloud Object Storage COS are adjusted with a published price reduction.	2023-12-15	Product Pricing

November 2023

Update	Description	Release Date	Documentation
Unit price for retrieval reduced	The Management Feature – Retrieval of Cloud Object Storage COS is adjusted with a published price reduction. The retrieval feature in the public cloud Frankfurt region (including standard storage retrieval, low-frequency storage retrieval, multi-AZ standard storage retrieval, and multi-AZ low-frequency storage retrieval) is reduced to 0.0165 CNY/GB/day.	2023-11-15	Product Pricing

June 2023

Update	Description	Release Date	Documentation
Compressed package preview	Supports previewing the contents of a compressed package without decompressing the files, including the number of files, name, file time, etc.	2023-06-02	Compressed Package Preview
Unmanned live streaming review	Live streaming review adds unmanned screen detection.	2023-06-01	Set Review Policy
Low-quality Image Auditing	Image Auditing adds detection for blurry and low-quality content.	2023-06-01	Set Review Policy

May 2023

Update	Description	Release Date	Documentation
Audio/video transcoding supports Braw and r3d decoding.	Audio/video transcoding supports video decoding for Braw and r3d formats.	2023-05-23	Submit Audio/Video Transcoding Task
Text To Speech supports emotional adjustment.	Text To Speech supports emotional adjustment.	2023-05-23	Text To Speech
Workflow supports audio	The workflow has added an audio noise reduction node, which can be used in	2023-05-23	Create Workflow

noise reduction.	conjunction with other audio processing.		
Workflow supports file size judgment.	The workflow has added a file size judgment node, which can specify files within a certain size range for processing before handling.	2023-05-23	Create Workflow
Support for encryption file compression and decompression.	On top of existing multi-file packing and compression, as well as compression package decompression, encryption compression and encryption decompression are newly supported.	2023-05-17	Submit Multi-file Packing and Compression Task

April 2023

Update	Description	Release Date	Documentation
Off-peak Transcoding Launch	Off-peak transcoding utilizes idle machine resources during non-peak time periods for transcoding processing, which can reduce the cost input for customers by more than 70%. The quality of the output after off-peak processing is no different from that of regular transcoding, ensuring the normal operation of user business processes. By adopting an off-peak transcoding strategy, the user's use cost is significantly reduced.	2023-04-15	Audio/Video Transcoding

March 2023

Update	Description	Release Date	Documentation
Image Smart Compression	Smart compression automatically adjusts based on the subjective quality judgment of the image. Without changing the original format of the image, it	2023-03-15	Introduction to Smart

	significantly reduces the image volume compared to the original while maximizing the visual effect close to the original image.		Compression
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February 2023

Update	Description	Release Date	Documentation
Original Image Protection Supports COS Domain Name	Original image protection is a service that protects original images and can prevent malicious users from requesting original images. This feature needs to be used in conjunction with the style feature of Cloud Infinite. After enabling the original image protection function, images in the corresponding bucket cannot be accessed directly and can only be accessed via URLs with styles.	2023-02-22	Enable Original Image Protection
React Native SDK Online	COS adds support for React Native SDK as a development language.	2023-02-17	React Native SDK
Flutter SDK Online	COS adds support for Flutter SDK development language.	2023-02-09	Flutter SDK

January 2023

Update	Description	Release Date	Documentation
The global acceleration domain of the private network is online.	Through the global acceleration domain of the private network, users can turn on cross-regional private network access to COS with one click.	2023-01-13	Private Network Global Acceleration

December 2022

Update	Description	Release Date	Documentation
The image coloring feature is online.	Accurately restore the colors of complex scenes and bring old photos back to life with one click.	2022-12-12	Image Coloring
The intelligent image cropping feature is online.	Analyze the main content of the image intelligently and crop the image to meet the different size requirements of PCs, mobile phones, TV screens, etc.	2022-12-12	Intelligent Image Cropping
The image enhancement feature is online.	Perform intelligent analysis on low-quality photos that are blurry and have many noise, then apply beautification.	2022-12-12	Image Enhancement
The video matting feature is online.	Recognize the human body in the video, perform high-precision segmentation on the characters, and return the result video of the human body area.	2022-12-12	Video Matting

November 2022

Update	Description	Release Date	Documentation
File Processing Feature Online	The brand-new File Processing API is online, including file hash calculation, file decompression, and multi-file packaging and merging.	2022-11-21	File Processing Overview

October 2022

Update	Description	Release Date	Documentation
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<p>Bucket Billing and Cost Allocation by Tag Feature Online</p>	<p>Currently, COS supports billing by bucket and cost allocation by tag, which is made available through an allowlist. Starting from February 6, 2023, COS will fully open the billing by bucket and cost allocation by tag features. You can view the usage and fees of each billing item for each bucket through L2 – resource ID bills or L3 – detailed bills, and distinguish the ownership of different buckets by setting allocation tags.</p>	<p>2022–10–28</p>	<p>What are bucket billing and cost allocation by tag?</p>
<p>Live streaming review supports automatic backup of live streams to the bucket.</p>	<p>Added live stream dump feature to meet the needs of retaining and backing up live content.</p>	<p>2022–10–28</p>	<p>Submit live streaming review task</p>
<p>Supports extremely fast Automatic Speech Recognition.</p>	<p>Based on existing Automatic Speech Recognition tasks, a fast recognition configuration is added to support higher recognition efficiency.</p>	<p>2022–10–20</p>	<p>Automatic Speech Recognition</p>

September 2022

Update	Description	Release Date	Documentation
<p>Supports creating batch data processing tasks</p>	<p>Based on existing data workflows and tasks, it supports creating batch data processing tasks. You can specify a file list or manifest file to perform batch audio/video transcoding and other tasks.</p>	<p>2022–09–06</p>	<p>Configure Task</p>
<p>Audio/video transcoding supports adaptive bitrate.</p>	<p>Users do not need to care about video encoding parameters. The system will automatically obtain better encoding quality with a smaller bitrate.</p>	<p>2022–09–06</p>	<p>Submit Audio/Video Transcoding Task</p>

Workflow callback supports TDMQ/CMQ message queue.	Data workflow callback configuration supports TDMQ/CMQ message queue.	2022-09-06	Queue and Callback
Support for video accelerated transcoding	In audio/video transcoding tasks, accelerated transcoding capability has been added, suitable for media scenes with long duration, large files, and high requirements for transcoding timeliness, as well as ultra-high-definition video production with large data volumes. Accelerated transcoding can achieve up to 30x transcoding performance.	2022-09-06	Submit Audio/Video Transcoding Task
Billing item monthly settlement transitions to daily settlement online	Starting from July 1, 2022, COS storage capacity, request, and data retrieval billing items have been gradually upgraded from monthly settlement to daily settlement, and completed full-scale online on September 1, 2022.	2022-09-01	Notice on COS Storage Capacity, Request and Data Retrieval Daily Settlement Release

August 2022

Update	Description	Release Date	Documentation
Image repair is online.	Users can specify the areas that need repair in the image, recognize and repair the subjects in them, and fill in the pictures with textures similar to the surrounding areas, which is suitable for commercial photography post-production, social entertainment content production and other scenarios.	2022-08-15	Image Repair

Product cutout is online.	It supports recognizing the product entities in the image and removing the background information to obtain product materials with transparent backgrounds, which is suitable for functions such as intelligent generation of e-commerce posters and personalized product recommendations.	2022-08-15	Product Cutout
Logo Recognition Online	It supports recognizing e-commerce logos in images and returning the logo's name, coordinates, and confidence score.	2022-08-15	Logo Recognition

July 2022

Update	Description	Release Date	Documentation
Text To Speech Online	Users can convert text into natural and smooth speech, with multiple timbres available for selection.	2022-07-01	Text To Speech
Video quality scoring is online.	Users can perform reference-free quality evaluation on videos.	2022-07-01	Video Quality Scoring

June 2022

Update	Description	Release Date	Documentation
Content review custom risk library is online.	Users can maintain the content that needs to be intercepted through the Custom Risk Library.	2022-06-30	Set Custom Risk Library
Live Streaming Review is online.	The content of the live streaming can be reviewed for pornography, ads, illegal activities, etc.	2022-06-30	Live Stream Moderation
Audio Noise Reduction Online	Noise can be removed from audio and video.	2022-06-30	Audio Noise Reduction

Video Tag Update	It can recognize tags such as video scene, object, and figure, and return time and coordinate.	2022-06-30	Video Tag
Online for Abnormal Image Detection	It can recognize images with exceptions such as carrying TS video streams to prevent traffic theft behavior.	2022-06-17	Submit a Ticket for Consultation

May 2022

Update	Description	Release Date	Documentation
Online for Review Result Feedback Capacity	Support for self-feedback on review results that do not meet expectations.	2022-05-25	<ul style="list-style-type: none"> Image Auditing Result Feedback Text Auditing Service Result Feedback
Document preview optimized	Document-to-HTML conversion supports adjusting page advanced settings directly through JSON parameter passing in the download link, adding a print prevention feature.	2022-05-15	Quick Start for Document to HTML

April 2022

Update	Description	Release Date	Documentation
Launch cross-region data	Launch Cross-Region Data Transfer Plan, which can be used to offset cross-region replication traffic fees.	2022-04-28	<ul style="list-style-type: none"> Resource Package (Prepaid)

transfer plans			<ul style="list-style-type: none"> Product Pricing
Deep archive storage is launched in the Singapore region.	It supports uploading objects of deep archive storage type in the bucket in the Singapore region.	2022-04-25	Upload Object
Content moderation supports policy-level data.	It supports independently showing different moderation policy data, such as moderation detail, moderation statistical data, etc.	2022-04-21	<ul style="list-style-type: none"> Set Auditing Policies Review Details
The Shanghai region supports the multi-AZ feature.	When a user creates a bucket in the Shanghai region, it is possible to enable the multi-AZ feature to achieve intra-city disaster recovery of data.	2022-04-08	Overview of the multi-AZ feature

March 2022

Update	Description	Release Date	Documentation
Content moderation supports associating with custom business fields.	It is possible to associate business field information such as user nickname, IP, and room number with moderation. When initiating moderation, carry the business fields, and these fields will be returned in the moderation result to facilitate subsequent disposition by the user.	2022-03-25	Content Moderation Overview

Smart toolbox online	The smart toolbox is a simple and easy-to-use data processing tool jointly created by COS and Cloud Infinite, including image compression, video transcoding, document preview, AI content recognition, etc.	2022-03-21	Smart Toolbox Operation Guide
COS log analysis feature online	The log analysis feature allows for further data analysis of generated log files, integrating log files within a specified time range for statistical analysis and extracting key metrics for your review.	2022-03-21	COS Log Analysis
Custom function common feature templates online	You can combine cloud function custom functions with data workflows to write the core code logic, allowing flexible implementation of your business requirements while reducing R&D costs.	2022-03-21	Workflow Custom Function
Video digital watermark (video blind watermark) open beta online.	Digital watermark technology can hide images and text in videos, providing watermark capability for video creators without damaging the integrity and viewing experience of the video.	2022-03-09	Introduction to Digital Watermark
Workflow supports triggering inventory directory.	Workflow now supports triggering execution of existing files in the entire inventory directory.	2022-03-09	Manual Workflow Trigger Guide

February 2022

Update	Description	Release Date	Documentation
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Media processing launched in Frankfurt, Germany region	Media Processing Service feature newly supports Frankfurt, Germany. Region abbreviation: eu-frankfurt.	2022-02-17	Overview of Data Workflow
H.265 video transcoding is launched.	H.265 is a more advanced video encoding method than H.264, which can make videos smaller and save more bandwidth.	2022-02-17	Introduction to Video Transcoding
Ultra-fast high-definition video transcoding goes online	Top Speed Codec transcoding can improve the subjective video quality at lower bitrates, making videos smaller and clearer.	2022-02-17	Introduction to Top Speed Codec

October 2021

Update	Description	Release Date	Documentation
Blind watermark supports all regions.	Blind watermark newly supports all regions outside Chinese mainland. Currently, the blind watermark feature has supported all public cloud regions.	2021-10-21	Overview of Blind Watermark
Media Processing – Audio/Video Segmentation feature is online.	The audio/video segmentation feature can split audio and video into several fragments according to the specified duration. During segmentation, you can also change the container format of the audio and video fragments.	2021-10-14	Audio/Video Segmentation

Media Processing – Super-Resolution feature is online.	Super-resolution recognizes the content and contour of a video and reconstructs the details and local features of a high-resolution video through a series of low-resolution images in the video, which can be used in conjunction with video enhancement to upgrade old low-resolution video sources.	2021-10-14	Super-Resolution
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September 2021

Update	Description	Release Date	Documentation
Unit price for object tag reduced	The published price of Cloud Object Storage (COS) is adjusted with a price reduction. In the public cloud Chinese mainland region, it is reduced to 0.00166667 CNY/ten thousand tags/day, and in Hong Kong (China) and outside Chinese mainland regions, it is reduced to 0.002 CNY/ten thousand tags/day.	2021-09-30	Product Pricing
The unit price for read/write requests of deep archive storage is reduced.	The published price of Cloud Object Storage (COS) is adjusted with a price reduction. In the public cloud Chinese mainland, Hong Kong (China), and outside Chinese mainland regions, it is reduced to 0.5 CNY/ten thousand times.	2021-09-30	Product Pricing

August 2021

Update	Description	Release Date	Documentation
File preview/edit feature is online.	Users can quickly preview files in the bucket on the console and edit text files.	2021-08-05	Preview or edit an object

Folder sharing feature is online.	Users can generate sharing links and passcodes for folders on the console and set the validity time of the links.	2021-08-05	Share Folder
Media Processing – Video Enhancement Series Features are Online.	Media processing provides a series of features such as detail enhancement, color enhancement, and SDR-to-HDR conversion to improve video quality and bring a better visual effect.	2021-08-03	<ul style="list-style-type: none"> • Configure Workflow • Configure Task • Template
Media Processing – Custom Function Processing is Online.	When the existing business or features of Media Processing cannot meet your needs, you can use the SCF custom function processing feature to write the core code logic to flexibly implement your own business requirements while reducing R&D costs.	2021-08-03	Custom Function Processing
Media Processing – Video Encryption Feature is Online.	Added HLS Standard Encryption Capability to Protect Customer Video Data Security.	2021-08-03	Prevent Video Disclosure through HLS Encryption

July 2021

Update	Description	Release Date	Documentation
Content Review – Custom Risk Library	Users can use the Custom Risk Library to manage files that need targeted interception or release. Depending on the purpose, the Custom Risk Library is divided into the black library (black	2021-07-16	Set Custom Risk Library

Feature is Online.	libraries (illegal files)) and the white library (normal file library).		
Deep archive storage is launched in the Chongqing region.	It supports uploading objects of deep archive storage type in the bucket in the Chongqing region.	2021-07-07	Upload Object

June 2021

Update	Description	Release Date	Documentation
Media Processing – Top Speed Codec transcoding feature is online.	Top Speed Codec transcoding is a way to make videos smaller and clearer, which can ensure low consumption of network resources while bringing users a better visual experience.	2021-06-26	<ul style="list-style-type: none"> Configure Workflow Configure Task Template
Media Processing – HDR to SDR Transformation Feature is Online.	It takes the lead in realizing the down – transformation capability of the dynamic range of video in the cloud, so that the image details of the transformed video are as close as possible to the original video.	2021-06-26	<ul style="list-style-type: none"> Configure Workflow Configure Task Template
Media Processing – Highlight Feature is Online.	Multimodal identification and aggregation are carried out on the content, postures and scenarios of the video to match the level of professional editing and quickly edit and generate highlight clips in the video.	2021-06-26	<ul style="list-style-type: none"> Configure Workflow Configure Task

			<ul style="list-style-type: none"> • Template
Media Processing – Voice/Sound Separation Feature is Online.	Separate the voice from the background sound in the same material to generate a new independent audio file, which facilitates the subsequent artistic process of the material in other styles.	2021-06-26	<ul style="list-style-type: none"> • Configure Workflow • Configure Task • Template
Media Processing – HLS Adaptive Packaging Feature is Online.	Generate multi-bitrate adaptive video files in one step to adapt to different video players, browsers, and distribution platforms.	2021-06-26	Configure Workflow

May 2021

Update	Description	Release Date	Documentation
Self-Diagnosis Tool is Online.	The self-diagnosis tool is a web tool provided by Tencent Cloud COS for users to perform self-diagnosis and troubleshooting of error requests.	2021-05-27	Self-diagnosis Tool
CDN Log Backup is Online.	CDN Log Backup is a feature provided by Tencent Cloud COS based on SCF that allows users to transfer CDN logs to COS. It can assist users in transferring CDN logs for access behavior analysis, service quality monitoring, etc.	2021-05-24	CDN Log Backup
TDMQ	TDMQ Message Backup is a feature provided by Tencent Cloud COS based on SCF that allows users	2021-05-24	TDMQ Message

Message Backup is Online	to transfer TDMQ messages to COS. It can assist users in transferring TDMQ messages for data analysis and download operations.		Backup
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April 2021

Update	Description	Release Date	Documentation
Deep archive storage is launched in the Tokyo region.	It supports uploading objects of deep archive storage type in the bucket in the Tokyo region.	2021-04-29	Upload Object
Text Review Online	The Text Review feature can perform security reviews on text content. Detection scenarios include pornography detection, illegal and non-compliant, detect ads, illegal detection, and abusive detection.	2021-04-06	Set Text Review
Content moderation supports existing data review	Users can perform a one-time batch moderation on existing images, videos, audio, and text files in the bucket by creating an existing moderation task.	2021-04-06	Set up existing moderation task
Log cleaning online	Log cleaning is a log file processing solution provided by COS based on SCF for users. When users enable the log management service or upload log files themselves, it will automatically trigger the preconfigured cloud function of COS for you. Through the SQL retrieval statement you specify in advance in the function, the log	2021-04-02	Log cleaning

	information in the file is automatically filtered and cleaned.		
Ckafka message backup online	Ckafka message backup is a feature provided by COS based on SCF for users to transfer Ckafka messages to COS, which can assist users in transferring Ckafka messages for data analysis and download operations.	2021-04-02	Ckafka Message Backup

March 2021

Update	Description	Release Date	Documentation
Data workflow online	Data workflow is a new data processing service launched by COS. It offers two features: workflow and task, which can process newly added data and existing data respectively, such as audio/video transcoding, video frame capture, video-to-GIF, intelligent cover, audio/video splicing.	2021-03-20	Overview of Data Workflow
Deep archive type newly supports Nanjing region	Deep archive type now supports the Nanjing region, allowing users to store data as deep archive storage type in buckets located in Nanjing.	2021-03-01	Introduction to Deep Archive Storage

February 2021

Update	Description	Release Date	Documentation
Cloud Database Bac	Cloud database backup is a feature provided by Tencent Cloud COS based on SCF that allows users to transfer backup files from Tencent Cloud Database to COS for persistent saving, to prevent data loss or damage.	2021-02-02	Set Up Cloud Database

kup is Onli ne.			Backup
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January 2021

Update	Description	Release Date	Documenta tion
The Image Processing feature now fully supports public cloud regions.	The Image Processing feature has added support for overseas public cloud regions, and now fully supports COS public cloud regions.	2021-01-20	<ul style="list-style-type: none"> • Image Processing Overview • Region and Access Domain

December 2020

Update	Description	Releas e Date	Document ation
Online Origin-Pull Disaster Recovery Feature	When users configure COS origin-pull origin servers, they can set up backup origin servers. In scenarios of origin-pull failure, it ensures a quick switch to the backup origin-pull address when the primary origin-pull address fails, guaranteeing business continuity without interruption.	2020-12-28	Setting Origin-Pull
Online Synchronous Origin-Pull Feature	After enabling synchronous origin-pull, COS will directly pull data from the origin server and return it to the requester in real-time, no longer returning the 3XX redirection status code.	2020-12-17	Setting Origin-Pull

<p>COS Batch Processing Feature Optimization and Upgrade</p>	<ul style="list-style-type: none"> • Supports custom replication, addition, and modification of object tags and metadata during batch replication. • Optimized backend processing logic, dynamically allocate processing resources based on file volume, processing efficiency increased by 50%. 	<p>2020-12-09</p>	<p>Batch Processing Overview</p>
<p>Online Resource Package Auto-Renewal and Renewal Reminder Feature</p>	<p>COS supports auto-renewal and renewal reminder for resource packages. Users can set auto-renewal for purchased resource packages to automatically extend their validity period; in addition, when a resource package is about to expire, users can receive an expiration reminder to facilitate timely renewal.</p>	<p>2020-12-04</p>	<p>Resource Package (Prepaid)</p>

November 2020

Update	Description	Release Date	Documentation
<p>COSDistCp Tool Release</p>	<p>COSDistCp is a distributed file copy tool based on MapReduce, mainly used for data copy between HDFS and COS.</p>	<p>2020-11-27</p>	<p>COSDistCp Tool</p>
<p>Launch the Cloud Storage Gateway feature</p>	<p>Cloud Storage Gateway is a hybrid cloud storage service provided by Tencent Cloud. You can choose to configure a storage gateway for your bucket. After the configuration is completed, the bucket in COS can be mounted as a network folder on any of your CVM servers for use as a storage device.</p>	<p>2020-11-21</p>	<p>Set Up Cloud Storage Gateway</p>

Launch the Intelligent Tiering Storage capacity package and Deep Archive Storage capacity package	<ul style="list-style-type: none"> The intelligent hierarchical storage capacity package can be used to offset the fees for standard storage capacity or infrequent access storage capacity after conversion. The deep archive storage capacity package can be used to offset the fees for deep archive storage capacity. 	2020-11-13	<ul style="list-style-type: none"> Resource Package (Prepaid) Product Pricing
Launch Intelligent Tiering Storage	Intelligent Tiering provides a hot/cold data tiering mechanism for data, which can automatically convert the hot/cold level of data according to the access pattern of user data, thereby reducing the storage cost of user data.	2020-11-12	Introduction to Intelligent Tiering Storage

October 2020

Update	Description	Release Date	Documentation
Online Request Packet	The online standard storage request packet and infrequent access storage request packet can be used to offset the read/write request fees for standard storage and infrequent access storage respectively.	2020-10-20	<ul style="list-style-type: none"> Resource Package (Prepaid) Product Pricing
Online Advanced Image Compression and Audio Auditing Feature	<ul style="list-style-type: none"> The advanced image compression feature can more efficiently convert images to high-compression formats such as TPG or HEIF, effectively reducing image transmission link and loading time, and lowering bandwidth and traffic costs. The audio review feature can perform security reviews on audio content in the bucket, with detection scenarios including pornography detection, illegal and non-compliant content, and ad detection. 	2020-10-16	<ul style="list-style-type: none"> Set Advanced Image Compression Content Review Overview

Media Processing Feature is Online.	The Media Processing feature can perform four types of operations on video files in the bucket: file transcoding, video frame capture, video animated image conversion, and intelligent cover generation.	2020-10-15	Create Media Processing Task
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September 2020

Update	Description	Release Date	Documentation
Optimization of the lifecycle feature and launch of the bucket overview page.	<ul style="list-style-type: none"> The lifecycle feature supports settling historical version files into other storage types. Buckets configured with multiple AZs support settling data into infrequent access storage (multi-AZ) through lifecycle. The COS console supports a global overview of a single bucket, including viewing usage, basic information of the bucket, features, and alarm configuration. 	2020-09-28	<ul style="list-style-type: none"> Set Lifecycle Bucket Overview
Launch of Deep Archive Storage.	Deep Archive Storage (Deep Archive) is a storage service provided by COS that allows for the long-term archiving of massive data. Deep Archive Storage offers storage unit prices at the level of tape storage, providing a low-cost solution for long-term data storage.	2020-09-16	Introduction to Deep Archive Storage

August 2020

Update	Description	Release Date	Documentation
Launch Automatic Speech Recognition feature.	The Automatic Speech Recognition service is based on Tencent Cloud CI. After it is enabled, it can recognize recording files in the bucket and asynchronously return recognized text.	2020-08-28	Automatic Speech Recognition Overview

Optimization of origin-pull feature and lifecycle feature.	<ul style="list-style-type: none"> • Supports setting the specific path to jump to after triggering the origin-pull rule, supports setting multiple origin-pull rules, and supports modifying priority. • The application scope of lifecycle rules supports specifying object tags. 	2020-08-05	<ul style="list-style-type: none"> • Set Origin-Pull • Set Lifecycle
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July 2020

Update	Description	Release Date	Documentation
Launch Media Auditing Service feature.	The video review service is based on Tencent Cloud Data Pinnacle, providing users with review services for video files.	2020-07-23	Content Moderation Overview
Launch the self-service refund feature for resource packages	COS supports self-service refunds for resource packs. You can perform self-service refund operations on purchased resource packs that meet the refund rules in the COS console.	2020-07-21	<ul style="list-style-type: none"> • Resource Package (Prepaid) • Purchase Guide
Launch Infrequent Access Storage (Multi-AZ) type and document preview feature	<ul style="list-style-type: none"> • COS launches a new storage type: Infrequent Access Storage (Multi-AZ) type. • The file preview service is based on Tencent Cloud CI, enabling online preview of document files in the bucket without downloading. 	2020-07-03	<ul style="list-style-type: none"> • Storage Type • Product Pricing • File Preview Overview
Launch CDN Cache Refresh Feature	CDN Cache Refresh is a data flush feature provided by Tencent Cloud COS based on the Serverless Cloud Function service SCF, which can help users automatically refresh the cached data on CDN edge nodes.	2020-07-01	Set Up CDN Cache Refresh

June 2020

Update	Description	Release Date	Documentation
Launch Image Auditing Service feature.	The image auditing service is based on Tencent Cloud CI. Through the image auditing service, you can scan the existing image files in COS and audit files that are pornographic, illegal and non-compliant, and for advertising dissemination.	2020-06-23	Content Moderation Overview
Launch Global Acceleration Data Transfer Plan	Launch Global Acceleration Data Transfer Plan, which can be used to offset global acceleration traffic fees.	2020-06-02	<ul style="list-style-type: none"> • Resource Package (Prepaid) • Product Pricing

April 2020

Update	Description	Release Date	Documentation
Launch new resource packages and introduce multiple specifications and durations.	Launch CDN origin-pull traffic packages and offer more specifications and durations for users to purchase.	2020-04-20	<ul style="list-style-type: none"> • Billing Overview • Product Pricing

March 2020

Update	Description	Release Date	Documentation
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<p>Online object tags and file decompression features as well as console revision optimization</p>	<ul style="list-style-type: none"> • The console overview page has been completely revised, integrating with Tencent Cloud Observability Platform alarm configurations, providing product release dynamics, and associated product display locations. • Provides file decompression capabilities. • Offers object tag functionality, allowing for grouped management of objects stored on COS through tags. • The bucket list supports sorting, region filtering, and exporting the list. 	<p>2020-03-30</p>	<ul style="list-style-type: none"> • Object Tag Overview • File Decompression • Billing Overview
<p>Launch Image Processing feature.</p>	<p>Tencent Cloud COS integrates CI's professional integrated media solution, covering Image Processing, review, recognition and other features. You can process media data through COS's upload and processing APIs.</p>	<p>2020-03-13</p>	<p>Image Processing Overview</p>
<p>Launch Global Acceleration feature</p>	<p>Tencent Cloud COS's Global Acceleration feature can help users around the world quickly access your bucket, improve the success rate of your business access, further ensure the stability of your business and enhance your business experience.</p>	<p>2020-03-10</p>	<p>Global Acceleration Overview</p>

February 2020

Update	Description	Release Date	Documentation
<p>Online Standard Storage (Multi-AZ)</p>	<p>Tencent Cloud COS has launched a multi-AZ storage architecture, which can provide data center-level disaster recovery capability for user data.</p>	<p>2020-02-25</p>	<ul style="list-style-type: none"> • Storage Type • Billing Overview

January 2020

Update	Description	Release Date	Documentation
The storage capacity package is deducted daily and settled monthly.	Change the storage capacity package to be deducted daily and settled monthly.	2020-01-02	Resource Package (Prepaid)
The resource package supports upgrade and renewal.	COS supports upgrading and renewing resource packages.	2020-01-02	Purchase Guide

December 2019

Update	Description	Release Date	Documentation
Online in Nanjing region	COS is online in Nanjing region (ap-nanjing).	2019-12-19	Region and Access Domain
Bucket Encryption Feature Online	By setting bucket encryption, all new objects uploaded to the bucket can be encrypted by default using the specified server-side encryption method.	2019-12-16	Bucket Encryption Overview

November 2019

Update	Description	Release Date	Documentation
Storage Capacity Unit Price Reduction	The published price of Cloud Object Storage COS is adjusted with a price reduction. The standard storage capacity in Beijing One, Beijing, Shanghai, and Guangzhou has dropped to 0.118 CNY/GB/month, and the low-frequency storage capacity has dropped to 0.08 CNY/GB/month.	2019-11-01	Product Pricing

October 2019

Update	Description	Release Date	Documentation
Batch Processing Feature Is Launched	The Batch Processing Feature allows you to perform specified operations on a specified list of objects within a bucket.	2019-10-22	Batch Processing Overview
Retrieve Feature Is Launched	The COS Retrieve Feature filters objects stored on COS through structured query statements (SQL) to retrieve objects and obtain the data required by users.	2019-10-09	Select Overview

August 2019

Update	Description	Release Date	Documentation
Log Management feature fully online.	This feature is used to log the access details of a source bucket; these logs are then stored in a destination bucket for better bucket management.	2019-08-29	Log Management Overview

June 2019

Update	Description	Release Date	Documentation
Versioning feature	Enabling versioning allows you to store multiple versions of an object in the same bucket.	2019-06-	Versioning

fully online.		20	Overview
Cross-Region Replication feature fully online.	By configuring cross-region replication rules, incremental objects can be automatically and asynchronously replicated across buckets in different storage regions.	2019-06-20	Cross-Region Replication Overview
Supports custom origin server domain name	Users can bind a registered custom domain name to the current bucket and access objects in the bucket through the custom domain name.	2019-06-10	Domain Name Management Overview
Inventory feature online	Inventory is a feature that helps users manage objects in buckets and can replace COS synchronization List API operations in a planned way.	2019-06-03	Inventory Overview

May 2019

Update	Description	Release Date	Documentation
Bucket tag online	A bucket tag is an identifier for managing buckets, which facilitates users to group and manage buckets.	2019-05-10	Bucket Tag Overview

April 2019

Update	Description	Release Date	Documentation
Launch of direct upload to ARCHIVE feature	Directly upload objects with the storage type of Archive Storage in COS.	2019-04-26	Direct upload to ARCHIVE

November 2018

Update	Description	Release Date	Documentation
Overseas regions cancel the mandatory pop-up of the default domain name for downloading	COS in overseas regions allows direct use of the access domain provided by Tencent Cloud. Objects can be directly opened in the browser without the need to bind a custom domain name.	2018-11	—
Optimize the performance of request rate	COS fully supports initiating access requests at extremely high frequencies, meeting scenarios such as big data computing that require high-frequency access.	2018-11	Request Rate and Performance Optimization
Chengdu and Chongqing price reduction notice, billing related	Starting from November 1, 2018, the price of COS Archive Storage capacity in Chengdu and Chongqing regions has been reduced to 0.03 CNY/GB/month. In mainland China regions, COS Archive supports billing in USD.	2018-11	Product Pricing

October 2018

Update	Description	Release Date	Documentation
Manage access permissions through Policy and ACL.	The object storage has newly launched the feature of managing permissions in the way of supporting Policy and ACL. Granting access permission refers to the combination of control capabilities that a user can decide who, under what conditions, on which resources, and what specific operations to perform, so as to meet your permission management needs in multiple dimensions such as team planning and resource management.	2018-10	—

September 2018

Update	Description	Release Date	Documentation
Discounted prepaid resource packages are provided in all regions of the Chinese mainland.	COS has introduced resource packages that can be purchased at a discount in the prepaid mode in the China Mainland region. While enjoying free usage, you can also use the purchased resource packages to offset the actual usage during settlement. The part exceeding the resource usage will only be paid according to the pay-as-you-go mode.	2018-09	Billing Overview

August 2018

Update	Description	Release Date	Documentation
Online in Tokyo, Japan region	COS is online in Tokyo region (ap-tokyo).	2018-08	Region and Access Domain
The new console is launched in grayscale.	<ul style="list-style-type: none"> Support more new regions <p>The new console uses a brand-new API and supports more regions.</p> <ul style="list-style-type: none"> New features <p>The new console supports features such as lifecycle management.</p> <p>Note:</p> <ul style="list-style-type: none"> The documents such as feature and case on the official website will be updated synchronously according to the interface of the new console. Subsequent new features will only be released on the new console, and no new features will be released on the legacy console any more. 	2018-08	Console Overview

June 2018

Update	Description	Release Date	Documentation
Publish Hadoop COS plugins to support big data scenarios.	Officially release the Hadoop COS plug-in package, which can be directly imported into the Hadoop environment. After modifying the configuration file <code>core-site.xml</code> , you can use the <code>cosn://</code> protocol to directly access data in COS.	2018-06	Hadoop Tool
Private buckets can be bound to CDN access feature.	COS supports CDN access feature now. Besides public buckets, you can also bind CDN access to private buckets. After enabling the CDN security authentication feature, your data will be protected even in CDN edge caching, and you can enjoy the global CDN acceleration capability at the same time.	2018-06	—
Chengdu and Chongqing Price Reduction Notice	From June 1, 2018, COS implemented a price reduction for storage capacity fees in Chengdu and Chongqing regions, with the maximum reduction reaching 24%.	2018-06	Product Pricing

May 2018

Update	Description	Release Date	Documentation
Bangkok Region in Thailand is Online	COS is online in a new region: Bangkok, Thailand (<code>ap-bangkok</code>) region.	2018-05	Region and Access Domain

April 2018

Update	Description	Release Date	Documentation
Requests can be created using the PATH method	While supporting virtual hosted domain names, it also supports accessing COS via domain path. Requests sent to the regional root node <code>cos.[region].myqcloud.com</code> will return the bucket and object information of the current region, compatible with AWS S3 access method and AWS Authentication V4 signature. After configuring the corresponding keys and nodes, you can directly use various S3 codes and tools to access Tencent Cloud COS.	2018-04	—
The regions of Silicon Valley, Virginia (Ashburn), Seoul, South Korea and Mumbai, India are Online.	Cloud Object Storage is launched in multiple new global regions, including Silicon Valley (<code>na-siliconvalley</code>), Virginia (Ashburn <code>na-ashburn</code>), Seoul (<code>ap-seoul</code>) in South Korea, and Mumbai (<code>ap-mumbai</code>) in India.	2018-04	Region and Access Domain

December 2017

Update	Description	Release Date	Documentation
Cloud Object Storage Traffic Daily Settlement Launch	To enable users to promptly understand traffic usage and cost, Cloud Object Storage traffic billing has been changed from monthly settlement to daily settlement, while other billing items remain unchanged at monthly settlement.	2017-12-15	Billing Item

September 2017

Update	Description	Release Date	Documentation
Cloud Object Storage Launches Facilities in Multiple Global Regions	Cloud Object Storage has added storage services in Chengdu, Hong Kong (China), Singapore, Toronto, and Frankfurt, providing global users with nearby storage and integration capabilities, and adjusted to reduce the public network traffic price in the Chinese mainland region.	2017-09	Region and Access Domain

Announcements

COS Root Certificate Upgrade Announcement

Last updated: 2026-03-24 11:08:00

Background

Due to Mozilla's Trust Store updating its root certificate trust policy, all trusted root certificates from CAs worldwide must be replaced at least every 15 years after generation. Trusted root certificates exceeding this period will be gradually distrusted by Mozilla. **After April 15, 2025, the old GlobalSign R1 root certificate will no longer be trusted by Mozilla browsers.**

As a result, GlobalSign certificate authority will gradually discontinue issuing TLS/SSL certificates using the old root system (R1) and begin using the new root system (R3) to issue TLS/SSL certificates, to ensure that TLS/SSL certificates continue to be trusted in Firefox browsers.

Roots	TLS Stop Issuance	Mozilla Bit Removal
GlobalSign Root R1	March 14, 2024	April 15, 2025
GlobalSign Root R3	March 15, 2026	April 15, 2027
GlobalSign Root R5 (ECC)	March 15, 2028	April 15, 2029
GlobalSign Root R6	November 09, 2028	December 10, 2029

Notice

Tencent Cloud COS (Cloud Object Storage, COS)'s domain uses certificates issued by GlobalSign. To ensure that user requests are not affected, COS plans to gradually update the domain certificates. The change plan is as follows:

- Before April 15, 2025, COS certificates will be replaced with cross-certificates. The cross-certificates are compatible with both the old R1 root certificate and the new R3 root certificate, ensuring minimal impact on user requests.
- However, as cross-certificates will gradually expire, the old R1 root certificate will eventually be phased out. By then, clients using the new R3 root certificate will be able to make requests normally, while clients using the old R1 root certificate will fail to make requests. Therefore, it is recommended that you add the new root certificate to your trusted root certificate store as soon as possible.

In the long term, the new GlobalSign R3 root certificate will also no longer be trusted by Mozilla after April 15, 2027, and will ultimately expire on March 18, 2029. Considering long-term security and compatibility, it is recommended that clients promptly upgrade their root certificates while ensuring the root certificate list includes all known and trusted authoritative root certificates such as GlobalSign R1, R3, R6, R46 (refer to [GlobalSign Root Certificates](#) for the complete list).

User Adaptation

1. Verify whether the GlobalSign R3 new root certificate already exists in the root certificate list.

If the root certificate is missing, please add the new root certificate to your trusted root certificate store as soon as possible.

2. Ensure all authoritative root certificates have been integrated into the trusted root certificate store.

Considering long-term security and compatibility, it is recommended to pre-integrate all known and trusted authoritative root certificates into the client's trusted root certificate store to avoid future connection failures or security warnings caused by certificate trust chain issues.

3. Service monitoring.

Cross-certificates are compatible with both the old R1 root certificate and the new R3 root certificate, and theoretically should not affect user requests. However, due to variations in client environments, unforeseen situations may occur. We recommend monitoring service monitoring and alarms, which can be ignored if unrelated to your business.

COS Bucket Domain Usage Security Management Notification (Implemented in January 2024)

Last updated: 2025-09-10 10:00:02

From January 1, 2024, to ensure the security and stability of the overall service, Cloud Object Storage (COS) will impose the following limits on bucket domain name usage:

- COS buckets created after January 1, 2024 cannot use path-style domain names.
- For COS buckets created after January 1, 2024, if you use COS default domain to access objects, preview is not supported for any type of file, and download is not supported for apk and ipa files.

Not Supported Path-Style Domain Name

Storage buckets created after January 1, 2024 do not support path-style domain names and only support using virtual-hosted-style domain names. Buckets created earlier are unaffected, but we recommend prioritizing virtual hosted style domain names.

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

Default Domain Name Not Supported for Preview, Apk and Ipa File Download Not Supported

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

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

For buckets created after January 1, 2024, if users use the default domain name (including the default bucket domain name, static website domain, or global acceleration domain) to access

APK or IPA files (file suffix .apk or .ipa), the download request will return an error. Example error information:

```
HTTP/1.1 403 Forbidden

<?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 using COS default domain, please use custom domain
instead.</Message>
</Error>
```

If you wish to preview files or download apk and ipa objects in the bucket directly through a browser, access the objects through custom domain name. For more information, please refer to [enable custom origin site domain](#).

For buckets created before January 1, 2024, the preview and download actions via the default bucket domain name are not affected, but we recommend prioritizing the use of a custom domain name.