

Cloud Infinite Release Notes and Announcements Product Documentation





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Release Notes and Announcements Release Notes

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December 2022

Update	Description	Release Date	Documentation
Launched the image colorizing feature	This feature precisely restores the colors of complex scenes to colorize old photos.	2022- 12-12	Image Colorizing
Launched the smart image cropping feature	This feature intelligently analyzes the main content of an image and then crops the image to fit different screen sizes of PCs, phones, and TVs.	2022- 12-12	Smart Image Cropping
Launched the image enhancement feature	The feature intelligently analyzes blurred and noisy low-quality photos to enhance the definition.	2022- 12-12	Image Enhancement
Launched the video matting feature	This feature precisely recognizes and extracts the human body in a video to return the result video of the human body area.	2022- 12-12	Video Matting

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.	2022- 11-21	File Processing Service



October 2022

Update	Description	Release Date	Documentation
Supported automatically backing up live streams to buckets during live stream moderation	The live stream dump feature is launched to meet the needs of live content backup.	2022- 10-28	Submitting Live Stream Moderation Job
Supported fast speech recognition	Based on the existing speech recognition job mechanism, a new fast recognition configuration is added to support higher recognition efficiency.	2022- 10-20	Speech recognition

September 2022

Update	Description	Release Date	Documentation
Supported creating batch data processing jobs	Based on the existing data workflow and job mechanism, you can create batch data processing jobs such as audio/video transcoding by specifying the file list or inventory file.	2022- 09-06	Job
Supported adaptive bitrate for audio/video transcoding	You don't need to care about video encoding parameters, as the system will automatically get a better encoding quality with a lower bitrate.	2022- 09-06	Submitting Video Transcoding Job
Supported TDMQ/CMQ message queues for workflow callback	Data workflow callback configuration supports TDMQ/CMQ message queues.	2022- 09-06	Queues and Callbacks
Supported accelerated	The accelerated transcoding capability is added in audio/video transcoding jobs, which is suitable for media scenarios with	2022- 09-06	Submitting Video



video transcoding	long duration, large files, and high requirements on transcoding timeliness as well as UHD video production scenarios with high data volumes. It can deliver a 30 times faster transcoding performance.	Transcoding Job	
	performance.		

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.	July 1, 2022	Text to speech
Launched the video quality scoring feature	You can perform no-reference image quality assessment (NR-IQA) on videos.	July 1, 2022	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.	June 30, 2022	Image Moderation Result Reporting
Launched the live stream moderation feature	You can moderate live streams to detect non- compliant content, including pornographic, advertising, and illegal content.	June 30, 2022	Live broadcast review
Launched the audio noise cancellation feature	You can remove noise from audios/videos.	June 30, 2022	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.	June 30, 2022	Video tagging
Launched the abnormal image detection feature	The system can recognize abnormal images, such as images with TS video streams, to prevent hotlinking.	June 17, 2022	Submit a ticket for consultation.

May 2022

Update	Description	Release Date	Documentation
Launched the moderation result reporting feature	You can report moderation results that are not as expected.	May 25, 2022	Image Moderation Result ReportingText Moderation Result Reporting



Optimized the file preview feature	The file-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.	May 15, 2022	Getting Started	
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April 2022

Update	Description	Release Date	Documentation
Supported policy-level data for content moderation	The system can display the data such as moderation details and statistics by moderation policy.	April 21, 2022	Setting Moderation Policy

March 2022

Update	Description	Release Date	Documentation
Launched the smart toolbox feature	Smart toolbox is an easy-to-use data processing tool integrating both COS and CI features, including image compression, video transcoding, file preview, and AI-enabled content recognition.	2022- 03-21	Smart Toolbox User Guide
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.	March 9, 2022	Digital watermark



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).	February 17, 2022	Workflow
Launched the H.265 video transcoding feature	H.265 is a more advanced video codec than H.264. It makes videos smaller to save the access bandwidth.	February 17, 2022	Video Transcoding
Launched the top speed codec transcoding feature	The TESHD transcoding feature improves the subjective image quality of a video at a lower bitrate. It makes videos smaller and clearer.	February 17, 2022	Top speed codec transcoding

October 2021

Update	Description	Release Date	Documentation
Supported the blind watermarking feature in all regions	The blind watermarking feature is available in all public cloud regions.	October 21, 2021	Blind watermark
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.	October 14, 2021	Audio/Video Segmentation
Launched the media processing -	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	October 14, 2021	Super resolution



super	through a series of low-resolution video images. It can be	
resolution	used in combination with video enhancement to remaster old	
feature	videos.	

August 2021

Update	Description	Release Date	Documentation
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.	August 3, 2021	WorkflowJobTemplate
Launched the media processing - custom function processing feature	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 to flexibly implement your business needs while reducing your development costs.	August 3, 2021	Custom Function Processing
Launched the media processing - video encryption feature	The HLS standard encryption capability is added to ensure the security of your video data.	August 3, 2021	How to Prevent Video Disclosure via HLS Encryption

June 2021

Update	Description	Release Date	Documentation
Launched the	TESHD transcoding makes videos smaller and	June	WorkflowJobTemplate



media processing - TESHD transcoding feature	clearer. It delivers a better visual experience with guaranteed low network resource usage.	26, 2021	
Launched the media processing - HDR-to-SDR feature	HDR-to-SDR converts the dynamic range of videos in the cloud. It makes the image details of the output video as close as possible to those of the original video.	June 26, 2021	WorkflowJobTemplate
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	WorkflowJobTemplate
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	WorkflowJobTemplate
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	Workflow

April 2021

Update	Description	Release Date	Documentation
Launched the text moderation feature	The text moderation feature can check text content for pornographic, non-compliant, illegal, advertising, and abusive information.	April 6, 2021	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.	April 6, 2021	Setting Historical Data Moderation Job



Announcements Billing Rule Change Notice on Advanced Image Compression Feature

Last updated: 2024-01-31 16:33:35

Dear user,

We will change the usage calculation method and billing rules for CI's **advanced image compression feature**, effective **August 1, 2023** (Beijing time). The details are as follows:

Usage calculation method

Feature	Before	After
Advanced image compression (HEIF/TPG/AVIF)	Usage is calculated by the number of calls, regardless of the image specification.	Usage is calculated by the number of calls for each image specification, which is defined based on image resolution as follows: Small image: Resolution ≤ 800 x 600 Medium image: 800 x 600 < Resolution ≤ 1920 x 1080 Large image: 1920 x 1080 < Resolution ≤ 4096 x 2160 Extra large image: Resolution > 4096 x 2160

Billing rules

After the change, the system will **charge you by image specification according to different weighting factors** for the advanced image compression feature. The billing cycle is still **monthly billing**. The detailed billing rules are as follows:

Feature (Be	Published Price	After		
	(Before) (USD/1,000 times)	Published Price (USD/1,000 times)	Specification	Weighting Factor
Advanced image compression 0.015 (HEIF/TPG)		Small image	0.3	
	0.045	0.045	Medium image	1
	0.015	Large image	3	
			Extra large image	15
Advanced image	0.045	0.045	Small image	0.1



compression (AVIF)	Medium image	0.3
	Large image	1
	Extra large image	5

Billing example

The following example helps you better understand the billing rule changes.

Assume that you used advanced image compression (AVIF) 800,000 times last month, with 600,000 times for small images and 200,000 times for medium images.

Fees (Before)	Fees (After)
800 (thousand times) x 0.045 (USD/1,000 times) = 36 USD	600 (thousand times) x 0.045 (USD/1,000 times) x 0.1 (factor) + 200 (thousand times) x 0.045 (USD/1,000 times) x 0.3 (factor) = 5.4 USD