Tencent Cloud

# Cloud Infinite

# Release Notes and Announcements

## Product Documentation

# Contents

# 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 |
|---|---|---|---|

## 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 |

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

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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:<br>Small image: Resolution ≤ 800 x 600<br>Medium image: 800 x 600 < Resolution ≤ 1920 x 1080<br>Large image: 1920 x 1080 < Resolution ≤ 4096 x 2160<br>Extra large image: Resolution > 4096 × 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 | Published Price (Before) (USD/1,000 times) | After | | |
|---|---|---|---|---|
| | | Published Price (USD/1,000 times) | Specification | Weighting Factor |
| Advanced image compression (HEIF/TPG) | 0.015 | 0.015 | Small image | 0.3 |
| | | | Medium image | 1 |
| | | | 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 |