

API Documentation

Contents

[Parameters](#)

[Cloud Credentials](#)

[Cloud Credentials Input/Output](#)

[Audio Profiles](#)

[Video Profiles](#)

[Supported Containers and Codecs](#)

[Creating Jobs](#)

[Using the API from within Python](#)

[Retrieving a Sent Job](#)

Parameters

input

or not to use this input. This will be an object key if using a cloud provider, or a regular URL otherwise.

Type	Required	Default
string	Yes	

videoProfiles

An array containing at least one video profile.

Type	Required	Default
array	Yes	

audioProfiles

An array containing zero or more audio profiles.

Type	Required	Default
array	Yes	

output_container

Output container to be used. Supported values are `ts`, `mp4`, `hls`, and `silverlight` .

Type	Required	Default
string	No	<code>mp4</code>

ts_mode_input_audio_source_stream_count

Audio stream count (in TS mode only).

Type	Required	Default
number	No	

audio_output_path

The cloud location where audio should be stored.

Type	Required	Default
string	No	

bucket_output_path

The location, within a cloud bucket, where the output should be stored in segmented mode.

Type	Required	Default
------	----------	---------

string	No	
--------	----	--

master_variant_mode

Whether or not to use separate audio.

Type	Required	Default
boolean	No	false

segmented_output_hls

Whether to use HLS in segmented output.

Type	Required	Default
boolean	No	false

segmented_output_dash

Whether to use DASH in segmented output.

Type	Required	Default
boolean	No	false

segment_length

The segment length in segmented output.

Type	Required	Default
number	No	

video_codec

Output video encoder. Supported values are h.264, mpeg2, and hevc.

Type	Required	Default
string	No	h.264

ip_distance

Target I/P frame distance.

Type	Required	Default
number	No	

gop_length

Target GOP length in seconds.

Type	Required	Default
number	No	1

scte35_passthrough

Use SCTE35 passthrough?

Type	Required	Default
boolean	No	false

scte35_pid_remap

PID Remap.

Type	Required	Default
number	No	

create_tar_file

In segmented output, whether to tar the resulting directory and store it in the same bucket specified by the bucket_output_path parameter. Note that this will take up more space in your bucket.

Type	Required	Default
boolean	No	

audio_volume

Target audio volume (0-200).

Type	Required	Default
number	No	100

h264_quality

Output quality. Accepted values are 'good', 'better', and 'best'. Supported values are good, better , and best.

Type	Required	Default
string	No	good

video_aspect_ratio

Output video aspect ratio. Supported values are passthrough, force_4:3, force_16:9, invert_aspect_ratio, rotate_counterclockwise , rotate_clockwise, and rotate_counterclockwise + invert_aspect_ratio.

Type	Required	Default
string	No	passthrough

rotation_blackness

... .

Type	Required	Default
number	No	

closed_captions

Write CC to output?

Type	Required	Default
boolean	No	

force_progressive

Force progressive?

Type	Required	Default
boolean	No	false

keep_fps

Preserve the framerate?

Type	Required	Default
boolean	No	true

logo_url

URL to an image file to use as a watermark.

Type	Required	Default
string	No	

cloud_credentials

See Below

Type	Required	Default
object	Yes	

Cloud Credentials

input

Type	Required	Default
object	Yes	

output

Type	Required	Default
object	Yes	

Cloud Credentials Input/Output

cloud_provider

The cloud provider to use

Supported values are [aws](#), [oracle](#), [gcloud](#), [http](#), [file-upload](#), [igolgi-store](#) .

Type	Required	Default
string	Yes	oracle

access_key

Account access key.

Type	Required	Default
string	No	

secret_key

Account secret key.

Type	Required	Default
string	No	

region

The region within which your target bucket is located.

Type	Required	Default
string	No	

tenancy_ocid

Tenancy OCID (for oracle only)

Type	Required	Default
string	No	

user_ocid

User OCID (for oracle only)

Type	Required	Default
string	No	

oci_fingerprint

User Fingerprint (for oracle only)

Type	Required	Default
string	No	

project_id

Project ID (for google only)

Type	Required	Default
string	No	

client_email

Client email (for google only)

Type	Required	Default
string	No	

client_id

Client ID (for google only)

Type	Required	Default
string	No	

private_key_id

Private Key ID (for google only)

Type	Required	Default
string	No	

Audio Profiles

audio_codec

Audio codec to be used during transcode. Supported values are `aac`, `ac3` or `mp2`.

Type	Required	Default
string	No	<code>aac</code>

audio_channels

Number of audio channels on the output. Use 2 for stereo and 6 for 5.1. Supported values are 2 or 6.

Type	Required	Default
string	No	2

audio_bitrate

Output audio bitrate. Supported values are 32, 40, 64, 96, 128, 192, 256, 384, 448 or 768.

Type	Required	Default
string	No	256

primary_audio_downmix_to_stereo

Downmix primary audio from 5.1 to stereo.

Type	Required	Default
boolean	No	

source_stream

The index of the source stream. Supported values are 1, 2, 3, 4, 5, 6, 7 or 8.

Type	Required	Default
string	No	

dolby_digital_dialnorm

The dialnorm. Values range from 0 to 31 inclusive. Use 0 for passthrough.

Type	Required	Default
number	No	

Video Profiles

output

The location, including the file name, where the output is to be sent.

Type	Required	Default
string	No	

width

The output width in pixels.

Type	Required	Default
number	Yes	

height

The output height in pixels

Type	Required	Default
number	Yes	

video_bitrate_mode

Output video bitrate mode. Supported values are `cbr` or `vbr`.

Type	Required	Default
string	No	

video_bitrate

The video bitrate in kbps.

Type	Required	Default
number	Yes	

video_framerate

The video framerate. Supported values are 1x, 1/2x or 2x.

Type	Required	Default
string	No	1x

audio_profiles

Type	Required	Default
string	No	

Supported Containers and Codecs

- Input Containers: MXF, MPEG2-TS and MP4
- Output Containers: MPEG2-TS, MP4
- Input Codecs: MPEG2, ProRes, XDCAM, H.264, HEVC for video; AC3, MPEG2, AAC for audio
- Output Codecs: MPEG2, H.264 and HEVC for video; Passthrough, AAC-LC and AAC 5.1 for audio, AC3 stereo and 5.1 for audio

Creating Jobs

Using the API from within Python

Retrieving a Sent Job

Job Status: {'job_id': '4765', 'tcode_progress': '100', 'state': 'ready', 'tcode_time': '57.89', 'tcode_speed': '0.0', 'job_completed': True, 'xfer_speed': '337.88', 'xfer_time': '0.67', 'xfer_progress': '100'}

Job Config: {'input': 'https://streamengine.igolgi.com/uploads/659d9ac25dc7bf7b1a7c487a971a98e8', 'videoProfiles': [{'output': 'oci://yzwhip2gci7s/igolgi-public/80d8cc2a_bdab_442b_bc19_21fe00267a34.mp4', 'width': 0, 'height': 0, 'video_bitrate': 6000, 'video_framerate': '1x'}], 'audioProfiles': [{'audio_codec': 'aac', 'audio_channels': 2, 'audio_bitrate': 128, 'primary_audio_downmix_to_stereo': False, 'source_stream': 1}], 'output_container': 'mp4', 'audio_output_path': 'oci://yzwhip2gci7s/igolgi-public/96dbafd7_bf4f_45a8_bd06_627a4684e45b.mp4', 'separate_audio': True, 'segmented_output_hls': False, 'segmented_output_dash': False, 'video_codec': 'hevc', 'ip_distance': 3, 'gop_length': 2, 'scte35_passthrough': False, 'scte35_pid_remap': -1, 'create_tar_file': False, 'audio_volume': 100, 'h264_quality': 'good', 'video_aspect_ratio': 'rotate_counterclockwise + invert_aspect_ratio', 'rotation_blackness': 0, 'closed_captions': False, 'picture_transform': 'none', 'logo_url': None}

Revision #22

Created 21 June 2024 21:57:33 by Admin

Updated 14 August 2024 20:44:14 by Admin