



cielo24 Documentation

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cielo24

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The cielo24 Web Services Platform API allows developers to easily integrate transcription, captioning and keyword extraction into their applications without having to use a manual web portal.

1.1 Getting Started

1. Send an email to support@cielo24.com requesting a sandbox API login.
2. Download our API libraries: Python, Ruby, Java, PHP, .NET.
 1. Each project includes a core library and a command line application you can use to experiment with the API without writing any code of your own.
3. Use the sandbox credentials you received from support and the libraries to connect to our API.

1.2 Sandbox API

For testing, a sandbox API is provided at <https://sandbox.cielo24.com>. The sandbox provides a testing platform for development, where no real processing is performed. Transcript/caption requests made to the sandbox will return a pre-prepared sample, the data will not match the content or length of media you submitted. However, the transcript/caption will be formatted as you request in your *get_transcript* / *get_caption* call. The sandbox API will make URL callbacks, if requested, a few seconds after the call to *perform_transcription* is made.

1.3 Production API

The production API can be accessed from the following location: <https://api.cielo24.com>.

1.4 Account Management

Account management is largely performed outside of the API. To set up a new production account please register for an account at <http://www.cielo24.com>. To request a sandbox account, email to support@cielo24.com.

1.5 Sub-Accounts

Upon request, multiple accounts may be created for you to control access or simplify billing. These accounts will be related to one another by parent-child relationships. An unlimited number of relationship levels may be created, i.e. parent, child, grandchild.

Each sub-account is a normal account with its own list of jobs and media. Access is restricted to the jobs in an account and that account's descendants. For example, the credentials for a child account may be used to create and/or access jobs in a grandchild account, but not in a parent or sibling accounts.

For the most part, the access to the jobs of sub-accounts is transparent, as most API calls operate using a job ID. Simply login as a parent, and access jobs of the sub-account as if they belonged to the parent. However, for some API calls, such as Create Job and List Jobs, you will need to pass an additional parameter to specify the sub account you want to use.

If you are interested in using sub-accounts, please contact support@cielo24.com for more information.

1.6 Callbacks

Processing requests such as transcription are not completed immediately. As such, the interface supports the use of a callback URL that is provided by the application developer. Once the job has completed, the API calls this callback URL to inform the application that the specific job has been completed. We make a GET request to the callback URL. HTTPS and embedded basic HTTP auth URLs are supported. We will retry callbacks three times over a 30 minute period if the remote server doesn't return a HTTP success code (200 OK.) You may wish to include a unique identifier in the URL so you can tell which request has completed, or you can request that we send additional data with the callback. See the `callback_url` parameter of each method for a list of the data that can be sent.

For example: http://www.yourdomain.com/cielo24/request_complete?job_id=1234

1.7 Polling

If a callback URL is not practical, the application can poll the interface by requesting the status of a given task that is associated with a given job. The task status will indicate COMPLETE when the task is done.

1.8 Languages

We support transcription to and from any of the following languages. However, please note that if English is not a source or target language, an additional translation will incur as we will have to generate a translation from the source language into English and then from English into the Target language. This will result in increased charges.

Transcription and translation are supported in the following languages for PROFESSIONAL fidelity jobs:

Language	IETF Language Code
Arabic	ar
Chinese - Mandarin (Traditional)	zh-tw
Chinese - Mandarin (Simplified)	zh-cmn
Chinese - Cantonese (Traditional)	zh-yue
Dutch	nl
English	en
French	fr
German	de
Hebrew	he
Hindi	hi
Italian	it
Japanese	ja
Korean	ko
Portuguese	pt
Russian	ru
Spanish	es
Turkish	tr

Transcription is supported in the following languages for MECHANICAL fidelity jobs:

Language	IETF Language Code
Dutch	nl
English	en
French	fr
German	de
Italian	it
Spanish	es
Portuguese	pt

2.1 Request from Media File Only

A job is created and a media file (audio or video) is submitted either via a URL or uploaded from the developer's site. A task request is made of the job to perform transcription where task completion is determined via a callback URL or by the application's polling of the interface to check on the status of the request. Once the requested transcription has been completed, all supported transcription and caption formats can be requested for this job.

The following delineates the simplified steps involved:

1. Login via account credentials.
2. Create job.
3. Specify media file URL or upload the media file. A media file is either an audio or video file.
4. Make request to perform a transcription task. Specify:
 1. *Fidelity* : MECHANICAL, PREMIUM or PROFESSIONAL fidelity transcription.
 2. *Priority* : STANDARD or PRIORITY.
5. Wait for callback URL or poll task status for completion.
6. **[Option]** Request transcript. Specify format of transcript (e.g. standard, time coded, replace slang, etc.). Request can be made multiple times for a given job (i.e. multiple requests can be made for multiple output types).
7. **[Option]** Request caption file. Specify format of caption file (e.g. SRT, DFXP, lines per caption file, characters per caption line, etc.). Request can be made multiple times for a given job.
8. **[Option]** Request complete element list. A complete list of all words and transcription codes is returned. In addition to the words, the following additional information is provided for each word: confidence score, starting time, ending time, preferred display format, and surrounding punctuation.

2.2 Request from Media File and Corresponding Transcript

A job is created and a media file (audio or video) is submitted either via a URL or uploaded from the developer's site. In addition to the media file, a text transcript file is submitted either via a URL or uploaded from the developer's site. A task request is made of the job to perform synchronization where task completion is determined via a callback URL or by the application's polling of the interface to check on the status of the request. Once the requested synchronization has been completed, all supported transcription and caption formats can be requested for this job.

The following delineates the simplified steps involved:

1. Login.
2. Create job.
3. Specify media file URL or upload the media file. A media file is either an audio or video file.
4. Specify transcription file URL or upload the transcription file. Text file only.
5. Request word synchronization (implies premium word timing), providing callback URL if desired.
6. Wait for callback URL or poll task status for completion.
7. **[Option]** Request transcript. See above description.
8. **[Option]** Request caption file. See above description.
9. **[Option]** Request complete element list. See above description.

2.3 Request from Existing Job

For any outstanding jobs, subsequent requests can be made for transcripts, caption files and element-lists, as delineated in the following steps:

1. Specify job number.
2. **[Option]** Request transcript. See above description.
3. **[Option]** Request caption file. See above description.
4. **[Option]** Request complete element list. See above description.

All parameters are expected to be safely quoted as is customary for GET query strings. Unless otherwise noted, all actions will accept either a GET or a POST request. For each session, you will be given an api access token. This token identifies the session, and all additional accesses are made using it. Api tokens expire after the user has been inactive for more than one hour.

3.1 Login

Login to the cielo24 API to obtain an API access token for use when calling other methods. Optional arguments may be passed either as HTTP headers or query string parameters. Required arguments must be passed as query string parameters.

HTTP Method

GET /api/account/login

HTTP Headers — Optional

Provide **x-auth-user** with either **x-auth-password** or **x-auth-securekey**.

Name	Details	
x-auth-user	<i>Description</i>	The username associated with this account
	<i>Allowed Values</i>	String
	<i>Example</i>	john_doe
x-auth-password	<i>Description</i>	The password associated with this account
	<i>Allowed Values</i>	String
	<i>Example</i>	example_password
x-auth-securekey	<i>Description</i>	A long term security key generated via <i>generate_api_key</i>
	<i>Allowed Values</i>	Hex String
	<i>Example</i>	968a8b637a5040159424872fffd895b

Query String Parameters — Required (always)

Name	Details	
v	<i>Description</i>	The version of the API to use
	<i>Allowed Values</i>	1
	<i>Example</i>	v=1

Query String Parameters — Optional

Provide **username** with either **password** or **securekey**.

Name	Details	
username	<i>Description</i>	The username associated with this account
	<i>Allowed Values</i>	String
	<i>Example</i>	username=john_doe
password	<i>Description</i>	The password associated with this account
	<i>Allowed Values</i>	String
	<i>Example</i>	password=example_password
securekey	<i>Description</i>	A long term security key generated via <i>generate_api_key</i>
	<i>Allowed Values</i>	Hex String
	<i>Example</i>	securekey=968a8b637a5040159424872fffdb895b

Responses

HTTP Code	Details	
200	<i>Description</i>	Success
	<i>Contents</i>	<pre>{ "ApiToken": "The new ↪API token (hex string)" }</pre>
400	<i>Description</i>	An error occurred
	<i>Contents</i>	Error description (see <i>Error Format</i> for details)

Example Requests

```
GET /api/account/login?v=1&username=john_doe&password=example_password HTTP/1.1
Host: api.cielo24.com
```

```
GET /api/account/login?v=1&username=user&securekey=968a8b637a5040159424872fffdb895b↪
↪HTTP/1.1
Host: api.cielo24.com
```

```
GET /api/account/login?v=1 HTTP/1.1
Host: api.cielo24.com
x-auth-user: john_doe
x-auth-key: example_password
```

```
GET /api/account/login?v=1 HTTP/1.1
Host: api.cielo24.com
x-auth-user: john_doe
x-auth-securekey: 968a8b637a5040159424872fffdb895b
```

Example Response

```
HTTP/1.1 200 OK
Content-Type: application/json

{ "ApiToken" : "7ca5dc5c7cce449fb0fff719307e8f5f" }
```

3.2 Logout

Logout of the current session, invalidating the API token.

HTTP Method

GET /api/account/logout

Query String Parameters — Required

Name	Details	
v	<i>Description</i>	The version of the API to use
	<i>Allowed Values</i>	1
	<i>Example</i>	v=1
api_token	<i>Description</i>	The API token to invalidate
	<i>Allowed Values</i>	Hex String
	<i>Example</i>	api_token=7ca5dc5c7cce449fb0fff719307e8f5f

Responses

HTTP Code	Details	
204	<i>Description</i>	Success
	<i>Contents</i>	none
400	<i>Description</i>	An error occurred
	<i>Contents</i>	Error description (see <i>Error Format</i> for details)

Example Requests

```
GET /api/account/logout?v=1&api_token=7ca5dc5c7cce449fb0fff719307e8f5f HTTP/1.1
Host: api.cielo24.com
```

Example Response

```
HTTP/1.1 204 OK
```

3.3 Update Password

Update the password for a given account. HTTP POST only.

HTTP Method

POST /api/account/update_password

Request Body — Required

Request body consists of a query string that contains the following parameters:

Name	Details	
v	<i>Description</i>	The version of the API to use
	<i>Allowed Values</i>	1
	<i>Example</i>	v=1
api_token	<i>Description</i>	The API token used for this session
	<i>Allowed Values</i>	Hex String
	<i>Example</i>	api_token=7ca5dc5c7cce449fb0fff719307e8f5f
new_password	<i>Description</i>	New account password
	<i>Allowed Values</i>	String
	<i>Example</i>	new_password=example_password

Request Body — Optional

Name	Details	
username	<i>Description</i>	Sub-account for which the password should be updated
	<i>Allowed Values</i>	String
	<i>Example</i>	username=my_sub_account

Responses

HTTP Code	Details	
204	<i>Description</i>	Success
	<i>Contents</i>	none
400	<i>Description</i>	An error occurred
	<i>Contents</i>	Error description (see <i>Error Format</i> for details)

Example Requests

```
POST /api/account/update_password HTTP/1.1
Host: api.cielo24.com
Body: v=1&api_token=7ca5dc5c7cce449fb0fff719307e8f5f&new_password=example_password
```

Example Response

```
HTTP/1.1 204 OK
```

3.4 Update Setting

Update a setting for a given account.

HTTP Method

POST /api/account/update_setting

Request Body Parameters — Required

Name	Details	
v	<i>Description</i>	The version of the API to use
	<i>Allowed Values</i>	1
	<i>Example</i>	v=1
api_token	<i>Description</i>	The API token used for this session
	<i>Allowed Values</i>	Hex String
	<i>Example</i>	api_token=7ca5dc5c7cce449fb0fff719307e8f5f
setting	<i>Description</i>	The name of the setting to update
	<i>Allowed Values</i>	String
	<i>Example</i>	setting=default_job_notes
value	<i>Description</i>	The new value of the setting
	<i>Allowed Values</i>	String
	<i>Example</i>	value=true

Request Body Parameters — Optional

Name	Details	
account_id	<i>Description</i>	Username of a sub account for which to update setting
	<i>Allowed Values</i>	String
	<i>Example</i>	account_id=my_sub_account

Available Settings

default_job_notes	
<i>Description</i>	
<i>Allowed Values</i>	String (6000 characters max)
require_customer_authorization_before_starting_workflow	
<i>Description</i>	Require all jobs to be authorized by the customer before being processed
<i>Allowed Values</i>	Boolean
customer_authorization_required_mechanical	
<i>Description</i>	
<i>Allowed Values</i>	Boolean

Responses

HTTP Code	Details	
204	<i>Description</i>	Success
	<i>Contents</i>	none
400	<i>Description</i>	An error occurred
	<i>Contents</i>	Error description (see <i>Error Format</i> for details)

Example Requests

```
POST /api/account/update_setting HTTP/1.1
Host: api.cielo24.com
Body: v=1&api_token=7ca5dc5c7cce449fb0fff719307e8f5f&account_id=john_doe
      &setting=default_job_notes&value=my%20job%20notes
```

Example Response

```
HTTP/1.1 204 OK
```

3.5 Generate API Key

Creates a long term use API key to use in lieu of a password. With this key you can *login* using your user name and the key, instead of the account password. If the account you have specified has one pre-existing, it is returned to you. Setting `force_new` explicitly requests that an additional key be created for the account even if keys already exist.

HTTP Method

GET `/api/account/generate_api_key`

Query String Parameters — Required

Name	Details	
v	<i>Description</i>	The version of the API to use
	<i>Allowed Values</i>	1
	<i>Example</i>	v=1
api_token	<i>Description</i>	The API token used for this session
	<i>Allowed Values</i>	Hex String
	<i>Example</i>	api_token=7ca5dc5c7cce449fb0fff719307e8f5f

Query String Parameters — Optional

Name	Details	
force_new	<i>Description</i>	Set to <i>true</i> if you want to always create a new API key
	<i>Allowed Values</i>	Boolean
	<i>Default Value</i>	false
	<i>Example</i>	force_new=true
account_id	<i>Description</i>	Username of a sub account for which to generate a key
	<i>Allowed Values</i>	String
	<i>Example</i>	account_id=my_sub_account

Responses

HTTP Code	Details	
200	<i>Description</i>	Success
	<i>Contents</i>	<pre>{ "ApiKey": "The new long_ ↳term ApiKey" }</pre>
400	<i>Description</i>	An error occurred
	<i>Contents</i>	Error description (see <i>Error Format</i> for details)

Example Requests

```
GET /api/account/generate_api_key?v=1&api_token=7ca5dc5c7cce449fb0fff719307e8f5f
&account_id=john_doe&force_new=true HTTP/1.1
Host: api.cielo24.com
```

Example Response

```
HTTP/1.1 200 OK
Content-Type: application/json

{ "ApiKey" : "7ca5dc5c7cce449fb0fff719307e8f5f" }
```

3.6 Remove API Key

Invalidates an API Key you have previously generated. It will no longer work as a login credential.

HTTP Method

GET /api/account/remove_api_key

Query String Parameters — Required

Name	Details	
v	<i>Description</i>	The version of the API to use
	<i>Allowed Values</i>	1
	<i>Example</i>	v=1
api_token	<i>Description</i>	The API token used for this session
	<i>Allowed Values</i>	Hex String
	<i>Example</i>	api_token=7ca5dc5c7cce449fb0fff719307e8f5f
api_securekey	<i>Description</i>	A long term security key to invalidate
	<i>Allowed Values</i>	Hex String
	<i>Example</i>	api_securekey=968a8b637a5040159424872fffdb895b

Responses

HTTP Code	Details	
204	<i>Description</i>	Success
	<i>Contents</i>	none
400	<i>Description</i>	An error occurred
	<i>Contents</i>	Error description (see <i>Error Format</i> for details)

Example Requests

```
GET /api/account/remove_api_key?v=1&api_token=7ca5dc5c7cce449fb0fff719307e8f5f
&api_securekey=968a8b637a5040159424872fffdb895b HTTP/1.1
Host: api.cielo24.com
```

Example Response

```
HTTP/1.1 204 OK
```


All job control tasks return a task ID which can be queried at any time using task status for information.

4.1 Create Job

Create a new job. A job is a container into which you can upload media and request that transcription be performed. Creating a job is prerequisite for virtually all other methods.

HTTP Method

GET `/api/job/new`

Query String Parameters — Required

Name	Details	
v	<i>Description</i>	The version of the API to use
	<i>Allowed Values</i>	1
	<i>Example</i>	v=1
api_token	<i>Description</i>	The API token used for this session
	<i>Allowed Values</i>	Hex String
	<i>Example</i>	api_token=7ca5dc5c7cce449fb0fff719307e8f5f

Query String Parameters — Optional

Name	Details	
job_name	<i>Description</i>	A human readable identifier for the job
	<i>Allowed Values</i>	String
	<i>Example</i>	job_name=example_name
language	<i>Description</i>	Native job language.
	<i>Allowed Values</i>	RFC 5646 Language code
	<i>Default Value</i>	en
	<i>Example</i>	language=en
external_id	<i>Description</i>	An identifier you want to associate with this job
	<i>Allowed Values</i>	String
	<i>Default Value</i>	None
	<i>Example</i>	external_id=12345
username	<i>Description</i>	Create the job in specified sub-account
	<i>Allowed Values</i>	String
	<i>Example</i>	username=my_sub_account
requestor	<i>Description</i>	An requestor you want to associate with this job
	<i>Allowed Values</i>	String
	<i>Example</i>	requestor=test_requestor
reference	<i>Description</i>	An reference you want to associate with this job
	<i>Allowed Values</i>	String
	<i>Example</i>	reference=test_reference
expected_speakers	<i>Description</i>	Amount of speakers that the video will have
	<i>Allowed Values</i>	Integer
	<i>Example</i>	expected_speakers=40

Responses

HTTP Code	Details	
200	<i>Description</i>	Success
	<i>Contents</i>	<pre>{ "JobId": "An ID which ↪ can be used to refer to ↪ this job", "TaskId": "An ID for ↪ tracking tasks within a ↪ job" }</pre>
400	<i>Description</i>	An error occurred
	<i>Contents</i>	Error description (see <i>Error Format</i> for details)

Example Requests

```
GET /api/job/new?v=1&api_token=7ca5dc5c7cce449fb0fff719307e8f5f
&job_name=example_name&language=en HTTP/1.1
Host: api.cielo24.com
```

Example Response

```
HTTP/1.1 200 OK
Content-Type: application/json
```

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```
{
  "JobId" : "64bea283eff6475ea6596027a6ba0929",
  "TaskId" : "cc8095fbfecf4647b2e10b622d81c19b"
}
```

4.2 Authorize Job

Authorize an existing job. If your account has the “customer authorization” feature enabled (it is not enabled by default) jobs you create will be held in the “Authorizing” state until you call this method. Calling this method on a job that is not the “Authorizing” state has no effect and will return success. Please contact support@cielo24.com to enable the “customer authorization” feature.

HTTP Method

GET /api/job/authorize

Query String Parameters — Required

Name	Details	
v	<i>Description</i>	The version of the API to use
	<i>Allowed Values</i>	1
	<i>Example</i>	v=1
api_token	<i>Description</i>	The API token used for this session
	<i>Allowed Values</i>	Hex String
	<i>Example</i>	api_token=7ca5dc5c7cce449fb0fff719307e8f5f
job_id	<i>Description</i>	The ID of the job to be authorized
	<i>Allowed Values</i>	Hex String
	<i>Example</i>	job_id=64bea283eff6475ea6596027a6ba0929

Responses

HTTP Code	Details	
204	<i>Description</i>	Success
	<i>Contents</i>	none
400	<i>Description</i>	An error occurred
	<i>Contents</i>	Error description (see <i>Error Format</i> for details)

Example Requests

```
GET /api/job/authorize?v=1&api_token=7ca5dc5c7cce449fb0fff719307e8f5f
&job_id=64bea283eff6475ea6596027a6ba0929 HTTP/1.1
Host: api.cielo24.com
```

Example Response

```
HTTP/1.1 204 OK
```

4.3 Modify Job

Modify parameters of an already existing job. The job must be in *Authorization* state.

HTTP Method

POST `/api/job/modify`

Query String Parameters — Required

Name	Details	
v	<i>Description</i>	The version of the API to use
	<i>Allowed Values</i>	1
	<i>Example</i>	v=1
api_token	<i>Description</i>	The API token used for this session
	<i>Allowed Values</i>	Hex String
	<i>Example</i>	api_token=7ca5dc5c7cce449fb0fff719307e8f5f
job_id	<i>Description</i>	The ID of the job which is being modified
	<i>Allowed Values</i>	Hex String
	<i>Example</i>	job_id=64bea283eff6475ea6596027a6ba0929

Query String Parameters — Optional

Name	Details	
transcription_fidelity	<i>Description</i>	The desired fidelity of the transcription
	<i>Allowed Values</i>	<i>Fidelity Enumeration</i>
	<i>Example</i>	transcription_fidelity=PREMIUM
turnaround_hours	<i>Description</i>	The number of hours after which the job is returned
	<i>Allowed Values</i>	Integer
	<i>Example</i>	turnaround_hours=36
priority	<i>Description</i>	The desired priority of the transcription
	<i>Allowed Values</i>	<i>Priority Enumeration</i>
	<i>Example</i>	priority=STANDARD
account_id	<i>Description</i>	The username of the account to be assigned to the job
	<i>Allowed Values</i>	String
	<i>Example</i>	account_id=john_doe
requestor_id	<i>Description</i>	ID of user requesting the job (helpful for grouping)
	<i>Allowed Values</i>	String
	<i>Example</i>	requestor_id=sample_id
expected_speakers	<i>Description</i>	Amount of speakers that the video will have
	<i>Allowed Values</i>	Integer
	<i>Example</i>	expected_speakers=40

Responses

HTTP Code	Details	
204	<i>Description</i>	Success
	<i>Contents</i>	none
400	<i>Description</i>	An error occurred
	<i>Contents</i>	Error description (see <i>Error Format</i> for details)

Example Requests


```
POST /api/job/perform_transcription HTTP/1.1
Host: api.cielo24.com
Body: v=1&api_token=7ca5dc5c7cce449fb0fff719307e8f5f
      &job_id=64bea283eff6475ea6596027a6ba0929
      &transcription_fidelity=PREMIUM&priority=STANDARD&account_id=john_doe
```

Example Response

```
HTTP/1.1 204 OK
```

4.4 Delete Job

Delete an existing job. Jobs can only be deleted before they have started processing, when their status is “Authorizing” or “Pending”. If you need to delete a job after it has started processing contact support@cielo24.com and we will do our best to accommodate your request.

HTTP Method

GET /api/job/delete

Query String Parameters — Required

Name	Details	
v	<i>Description</i>	The version of the API to use
	<i>Allowed Values</i>	1
	<i>Example</i>	v=1
api_token	<i>Description</i>	The API token used for this session
	<i>Allowed Values</i>	Hex String
	<i>Example</i>	api_token=7ca5dc5c7cce449fb0fff719307e8f5f
job_id	<i>Description</i>	The ID of the job to be deleted
	<i>Allowed Values</i>	Hex String
	<i>Example</i>	job_id=64bea283eff6475ea6596027a6ba0929

Responses

HTTP Code	Details	
200	<i>Description</i>	Success
	<i>Contents</i>	<pre>{ "TaskId": "Encoded Task_ID" }</pre>
400	<i>Description</i>	An error occurred
	<i>Contents</i>	Error description (see <i>Error Format</i> for details)

Example Requests

```
GET /api/job/delete?v=1&api_token=7ca5dc5c7cce449fb0fff719307e8f5f
&job_id=64bea283eff6475ea6596027a6ba0929 HTTP/1.1
Host: api.cielo24.com
```

Example Response

```
HTTP/1.1 200 OK
Content-Type: application/json

{ "TaskId" : "cc8095fbfecf4647b2e10b622d81c19b" }
```

4.5 Job Info

Get information about an existing job.

HTTP Method

GET /api/job/info

Query String Parameters — Required

Name	Details	
v	<i>Description</i>	The version of the API to use
	<i>Allowed Values</i>	1
	<i>Example</i>	v=1
api_token	<i>Description</i>	The API token used for this session
	<i>Allowed Values</i>	Hex String
	<i>Example</i>	api_token=7ca5dc5c7cce449fb0fff719307e8f5f
job_id	<i>Description</i>	The ID of the job for which job status is returned
	<i>Allowed Values</i>	Hex String
	<i>Example</i>	job_id=64bea283eff6475ea6596027a6ba0929

Responses

HTTP Code	Details	
200	<i>Description</i>	Success
	<i>Contents</i>	JSON formatted job status. See <i>Job Info Format</i> for details.
400	<i>Description</i>	An error occurred
	<i>Contents</i>	Error description (see <i>Error Format</i> for details)

Example Requests

```
GET /api/job/info?v=1&api_token=7ca5dc5c7cce449fb0fff719307e8f5f
&job_id=64bea283eff6475ea6596027a6ba0929 HTTP/1.1
Host: api.cielo24.com
```

Example Response

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "JobId": "d4fb871e07514304b23131b45f8caa1f",
  "JobName": "example_job",
```

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```

"MediaLengthSeconds": 607.81,
"ExternalID": "sample_id",
"Priority": "STANDARD",
"Fidelity": "MECHANICAL",
"JobStatus": "Complete",
"SourceLanguage": "en",
"TargetLanguage": "en",
"CreationDate": "2014-08-27T14:00:06.472706",
"StartDate": "2014-08-27T14:00:06.472706",
"DueDate": "2014-08-29T14:00:06.472706",
"CompletedDate": "2014-08-27T14:10:41.923125",
"ReturnDate": "2014-08-27T14:10:42.885185",
"AuthorizationDate": "2014-08-27T14:00:06.472706",
"JobDifficulty": "Unknown",
"ReturnTargets": {
  "url": [
    {
      "callback_url": "https://sample-url.com/return/"
    },
    {
      "callback_url": "https://sample-url-2.com/return/"
    }
  ]
},
"Options": {
  "option_name": {
    "label": "option_label",
    "setting": "option_setting"
  }
}
}

```

4.6 Job List

Get a list of all jobs associated with the user account that generated the given API Token. The list is sorted by default to the creation time of the job, descending.

HTTP Method

GET /api/job/list

Query String Parameters — Required

Name	Details	
v	<i>Description</i>	The version of the API to use
	<i>Allowed Values</i>	1
	<i>Example</i>	v=1
api_token	<i>Description</i>	The API token used for this session
	<i>Allowed Values</i>	Hex String
	<i>Example</i>	api_token=7ca5dc5c7cce449fb0fff719307e8f5f

Query String Parameters for filtering — Optional

Name	Details	
CreationDateFrom	<i>Description</i>	
	<i>Allowed Values</i>	Date in ISO format.
	<i>Example</i>	CreationDateFrom=2014-08-27T13:40:53
CreationDateTo	<i>Description</i>	
	<i>Allowed Values</i>	Date in ISO format.
	<i>Example</i>	CreationDateTo=2014-08-27T13:40:53
StartDateFrom	<i>Description</i>	
	<i>Allowed Values</i>	Date in ISO format.
	<i>Example</i>	StartDateFrom=2014-08-27T13:40:53
StartDateTo	<i>Description</i>	
	<i>Allowed Values</i>	Date in ISO format.
	<i>Example</i>	StartDateTo=2014-08-27T13:40:53
DueDateFrom	<i>Description</i>	
	<i>Allowed Values</i>	Date in ISO format.
	<i>Example</i>	DueDateFrom=2014-08-27T13:40:53
DueDateTo	<i>Description</i>	
	<i>Allowed Values</i>	Date in ISO format.
	<i>Example</i>	DueDateTo=2014-08-27T13:40:53
CompleteDateFrom	<i>Description</i>	
	<i>Allowed Values</i>	Date in ISO format.
	<i>Example</i>	CompleteDateFrom=2014-08-27T13:40:53
CompleteDateTo	<i>Description</i>	
	<i>Allowed Values</i>	Date in ISO format.
	<i>Example</i>	CompleteDateTo=2014-08-27T13:40:53
ReturnDateFrom	<i>Description</i>	
	<i>Allowed Values</i>	Date in ISO format.
	<i>Example</i>	ReturnDateFrom=2014-08-27T13:40:53
ReturnDateTo	<i>Description</i>	
	<i>Allowed Values</i>	Date in ISO format.
	<i>Example</i>	ReturnDateTo=2014-08-27T13:40:53
AuthorizationDateFrom	<i>Description</i>	
	<i>Allowed Values</i>	Date in ISO format.
	<i>Example</i>	AuthorizationDateFrom=2014-08-27T13:40:53
AuthorizationDateTo	<i>Description</i>	
	<i>Allowed Values</i>	Date in ISO format.
	<i>Example</i>	AuthorizationDateTo=2014-08-27T13:40:53
JobStatus	<i>Description</i>	
	<i>Allowed Values</i>	String.
	<i>Example</i>	JobStatus=Complete
Fidelity	<i>Description</i>	
	<i>Allowed Values</i>	String.
	<i>Example</i>	Fidelity=MECHANICAL
Priority	<i>Description</i>	
	<i>Allowed Values</i>	String.
	<i>Example</i>	Priority=STANDARD
TurnaroundTimeHoursFrom	<i>Description</i>	
	<i>Allowed Values</i>	Integer.
	<i>Example</i>	TurnaroundTimeHoursFrom=24
TurnaroundTimeHoursTo	<i>Description</i>	
	<i>Allowed Values</i>	Integer.
	<i>Example</i>	TurnaroundTimeHoursTo=48

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Name	Details	
JobName	<i>Description</i>	
	<i>Allowed Values</i>	String.
	<i>Example</i>	JobName=job_*_name_*
ExternalID	<i>Description</i>	
	<i>Allowed Values</i>	String.
	<i>Example</i>	ExternalID=external_1234
Username	<i>Description</i>	
	<i>Allowed Values</i>	String.
	<i>Example</i>	Username=my_account_name
JobDifficulty	<i>Description</i>	
	<i>Allowed Values</i>	<i>JobDifficulty Enumeration</i>
	<i>Example</i>	JobDifficulty=Good

Responses

HTTP Code	Details	
200	<i>Description</i>	Success
	<i>Contents</i>	JSON formatted Job List. See <i>Job List Format</i> for details.
400	<i>Description</i>	An error occurred
	<i>Contents</i>	Error description (see <i>Error Format</i> for details)

Example Requests

```
GET /api/job/list?v=1&api_token=7ca5dc5c7cce449fb0fff719307e8f5f HTTP/1.1
Host: api.cielo24.com
```

```
GET /api/job/list?v=1&api_token=7ca5dc5c7cce449fb0fff719307e8f5f&Priority=STANDARD HTTP/1.1
Host: api.cielo24.com
```

```
GET /api/job/list?v=1&api_token=7ca5dc5c7cce449fb0fff719307e8f5f
&CompleteDateTo=2014-08-27T14%3A44%3A54 HTTP/1.1
Host: api.cielo24.com
```

```
GET /api/job/list?v=1&api_token=7ca5dc5c7cce449fb0fff719307e8f5f
&CompleteDateTo=2014-08-27 HTTP/1.1
Host: api.cielo24.com
```

Example Response

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "Username": "john_doe",
  "ActiveJobs":
  [
    {
      "JobId": "d4fb871e07514304b23131b45f8caa1f",
```

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```

"JobName": "example_job",
"MediaLengthSeconds": 607.81,
"ExternalID": "sample_id",
"Priority": "STANDARD",
"Fidelity": "MECHANICAL",
"JobStatus": "Complete",
"SourceLanguage": "en",
"TargetLanguage": "en",
"CreationDate": "2014-08-27T14:00:06.472706",
"StartDate": "2014-08-27T14:00:06.472706",
"DueDate": "2014-08-29T14:00:06.472706",
"CompletedDate": "2014-08-27T14:10:41.923125",
"ReturnDate": "2014-08-27T14:10:42.885185",
"AuthorizationDate": "2014-08-27T14:00:06.472706",
"JobDifficulty": "Unknown",
"ReturnTargets": {
  "url": [
    {
      "callback_url": "https://sample-url.com/return/"
    },
    {
      "callback_url": "https://sample-url-2.com/return/"
    }
  ]
},
"Options": {
  "option_name": {
    "label": "option_label",
    "setting": "option_setting"
  }
}
}
}
}

```

4.7 Add Media To Job

Add a piece of media to an existing job. A job may only have a single piece of media associated with it, attempting to add additional media will return an error code.

To add media from a publicly accessible URL, make a GET request and specify the URL in the **media_url** parameter.

To add media from a local file, make a POST request. Do NOT specify the media_url parameter in the request URL. No content-type should be included in the HTTP header. Upload the media directly inline as the body of the request. The media should be uploaded as raw binary, no encoding (base64, hex, etc) is required. Chunk-transfer encoding is NOT supported. If uploading large files (500 mb and up), specify the Content-Length in the header. File size is limited to 10 gb.

HTTP Method

GET /api/job/add_media (from URL)

POST /api/job/add_media (from local file)

Query String Parameters — Required (always)

Name	Details	
v	<i>Description</i>	The version of the API to use
	<i>Allowed Values</i>	1
	<i>Example</i>	v=1
api_token	<i>Description</i>	The API token used for this session
	<i>Allowed Values</i>	Hex String
	<i>Example</i>	api_token=7ca5dc5c7cce449fb0fff719307e8f5f
job_id	<i>Description</i>	The ID of the job to which media is added
	<i>Allowed Values</i>	Hex String
	<i>Example</i>	job_id=64bea283eff6475ea6596027a6ba0929

Query String Parameters — Required (*when adding media from URL*)

Name	Details	
media_url	<i>Description</i>	The URL from which media will be obtained
	<i>Allowed Values</i>	URL Encoded String
	<i>Example</i>	media_url=http%3A%2F%2Fwww.domain.com%2Fvideo.mp4

Request Body — Required (*when adding media from local file*)

Name	Details	
not applicable	<i>Description</i>	Raw binary of a media file
	<i>Allowed Values</i>	not applicable
	<i>Example</i>	not applicable

HTTP Headers — Required (*when uploading LARGE media files*)

Name	Details	
Content-Length	<i>Description</i>	File size (in bytes)
	<i>Allowed Values</i>	Integer
	<i>Example</i>	645809838

Responses

HTTP Code	Details	
200	<i>Description</i>	Success
	<i>Contents</i>	<pre>{ "TaskId" : "Encoded_ ↪Task ID" }</pre>
400	<i>Description</i>	An error occurred
	<i>Contents</i>	Error description (see <i>Error Format</i> for details)

Example Requests

```
GET /api/job/add_media?v=1&api_token=7ca5dc5c7cce449fb0fff719307e8f5f
&job_id=64bea283eff6475ea6596027a6ba0929
&media_url=http%3A%2F%2Fwww.domain.com%2Fvideo.mp4 HTTP/1.1
Host: api.cielo24.com
```

```
POST /api/job/add_media?v=1&api_token=7ca5dc5c7cce449fb0fff719307e8f5f
&job_id=64bea283eff6475ea6596027a6ba0929 HTTP/1.1
Host: api.cielo24.com
Content-Length: 645809838
Body: raw binary
```

Example Response

```
HTTP/1.1 200 OK
Content-Type: application/json

{ "TaskId" : "41ec7d23fb4b45f9b48a13d0b7283bf2" }
```

4.8 Add transcript To Job

Add a transcript to an existing job.

not supported for every workflow, talk to your account manager for more details before using this feature

To add transcript from a publicly accessible URL, make a GET request and specify the URL in the **transcript_url** parameter.

To add transcript from a local file, make a POST request. Do NOT specify the transcript_url parameter in the request URL. No content-type should be included in the HTTP header. Upload the transcript directly inline as the body of the request. The transcript should be uploaded as raw binary, no encoding (base64, hex, etc) is required. Chunk-transfer encoding is NOT supported. If uploading large files (500 mb and up), specify the Content-Length in the header. File size is limited to 10 gb.

HTTP Method

GET /api/job/add_transcript (from URL)

POST /api/job/add_transcript (from local file)

Query String Parameters — Required (always)

Name	Details	
v	<i>Description</i>	The version of the API to use
	<i>Allowed Values</i>	1
	<i>Example</i>	v=1
api_token	<i>Description</i>	The API token used for this session
	<i>Allowed Values</i>	Hex String
	<i>Example</i>	api_token=7ca5dc5c7cce449fb0fff719307e8f5f
job_id	<i>Description</i>	The ID of the job to which transcript is added
	<i>Allowed Values</i>	Hex String
	<i>Example</i>	job_id=64bea283eff6475ea6596027a6ba0929
format	<i>Description</i>	The format of the transcription file
	<i>Allowed Values</i>	String text or srt
	<i>Example</i>	format=text

Query String Parameters — Required (when adding transcript from URL)

Name	Details	
transcript_url	<i>Description</i>	The URL from which transcript will be obtained
	<i>Allowed Values</i>	URL Encoded String
	<i>Example</i>	transcript_url=http%3A%2F%2Fwww.domain.com%2Fvideo_script.txt

Request Body — Required (when adding transcript from local file)

Responses

HTTP Code	Details	
200	<i>Description</i>	Success
	<i>Contents</i>	<pre>{ "TaskId" : "Encoded_ ↪Task ID" }</pre>
400	<i>Description</i>	An error occurred
	<i>Contents</i>	Error description (see <i>Error Format</i> for details)

Example Requests

```
GET /api/job/add_transcript?v=1&api_token=7ca5dc5c7cce449fb0fff719307e8f5f
&job_id=64bea283eff6475ea6596027a6ba0929
&transcript_url=http%3A%2F%2Fwww.domain.com%2Fvideo_script.txt HTTP/1.1
Host: api.cielo24.com
```

```
POST /api/job/add_transcript?v=1&api_token=7ca5dc5c7cce449fb0fff719307e8f5f
&job_id=64bea283eff6475ea6596027a6ba0929 HTTP/1.1
Host: api.cielo24.com
Content-Length: 645809838
Body: raw binary
```

Example Response

```
HTTP/1.1 200 OK
Content-Type: application/json

{ "TaskId" : "41ec7d23fb4b45f9b48a13d0b7283bf2" }
```

4.9 Add Embedded Media To Job

Add a piece of media to an existing job via a non-direct URL. A job may only have a single piece of media associated with it, attempting to add additional media will return an error code.

Use this option to link to a video hosted by providers like BrightCove, Kaltura, Youtube, or Vimeo.

HTTP Method

GET /api/job/add_media_url

Query String Parameters — Required

Name	Details	
v	<i>Description</i>	The version of the API to use
	<i>Allowed Values</i>	1
	<i>Example</i>	v=1
api_token	<i>Description</i>	The API token used for this session
	<i>Allowed Values</i>	Hex String
	<i>Example</i>	api_token=7ca5dc5c7cce449fb0fff719307e8f5f
job_id	<i>Description</i>	The ID of the job
	<i>Allowed Values</i>	Hex String
	<i>Example</i>	job_id=64bea283eff6475ea6596027a6ba0929
media_url	<i>Description</i>	The URL from which media will be obtained
	<i>Allowed Values</i>	URL Encoded String
	<i>Example</i>	media_url=http%3A%2F%2Fyoutu.be%2F5m5MPiL99Nc

Responses

HTTP Code	Details	
200	<i>Description</i>	Success
	<i>Contents</i>	<pre>{ "TaskId" : "Encoded_ ↪Task ID" }</pre>
400	<i>Description</i>	An error occurred
	<i>Contents</i>	Error description (see <i>Error Format</i> for details)

Example Requests

```
GET /api/job/add_media_url?v=1&api_token=7ca5dc5c7cce449fb0fff719307e8f5f
&job_id=64bea283eff6475ea6596027a6ba0929
&media_url=http%3A%2F%2Fyoutu.be%2F5m5MPiL99Nc HTTP/1.1
Host: api.cielo24.com
```

Example Response

```
HTTP/1.1 200 OK
Content-Type: application/json

{ "TaskId" : "41ec7d23fb4b45f9b48a13d0b7283bf2" }
```

4.10 Get Media

Get a URL to the media for an existing job. If the media was directly uploaded to the job, no URL will be returned.

HTTP Method

GET /api/job/media

Query String Parameters — Required

Name	Details	
v	<i>Description</i>	The version of the API to use
	<i>Allowed Values</i>	1
	<i>Example</i>	v=1
api_token	<i>Description</i>	The API token used for this session
	<i>Allowed Values</i>	Hex String
	<i>Example</i>	api_token=7ca5dc5c7cce449fb0fff719307e8f5f
job_id	<i>Description</i>	The ID of the job
	<i>Allowed Values</i>	Hex String
	<i>Example</i>	job_id=64bea283eff6475ea6596027a6ba0929

Responses

HTTP Code	Details	
200	<i>Description</i>	Success
	<i>Contents</i>	<pre>{ "MediaUrl" : "Encoded_ ↪Media Url" }</pre>
400	<i>Description</i>	An error occurred
	<i>Contents</i>	Error description (see <i>Error Format</i> for details)

Example Requests

```
GET /api/job/media?v=1&api_token=7ca5dc5c7cce449fb0fff719307e8f5f
&job_id=64bea283eff6475ea6596027a6ba0929 HTTP/1.1
Host: api.cielo24.com
```

Example Response

```
HTTP/1.1 200 OK
Content-Type: application/json

{ "MediaUrl" : "https://sample.url.com" }
```

4.11 Get Transcoded Media

Get a URL to a specific transcoded version of the media for an existing job.

HTTP Method

GET /api/job/transcoded_media

Query String Parameters - Required

Name	Details	
v	<i>Description</i>	The version of the API to use
	<i>Allowed Values</i>	1
	<i>Example</i>	v=1
api_token	<i>Description</i>	The API token used for this session
	<i>Allowed Values</i>	Hex String
	<i>Example</i>	api_token=7ca5dc5c7cce449fb0fff719307e8f5f
job_id	<i>Description</i>	The ID of the job
	<i>Allowed Values</i>	Hex String
	<i>Example</i>	job_id=64bea283eff6475ea6596027a6ba0929
transcoded_version	<i>Description</i>	The transcoded version of the media
	<i>Allowed Values</i>	mp4, mp3, webm
	<i>Example</i>	transcoded_media=webm

Responses

HTTP Code	Details	
200	<i>Description</i>	Success
	<i>Contents</i>	<pre>{ "MediaUrl" : "Encoded_ ↪Media Url" }</pre>
400	<i>Description</i>	An error occurred
	<i>Contents</i>	Error description (see <i>Error Format</i> for details)
422	<i>Description</i>	An error occurred
	<i>Contents</i>	Error description (see <i>Error Format</i> for details)

Example Requests

```
GET /api/job/transcoded_media?v=1&api_token=7ca5dc5c7cce449fb0fff719307e8f5f
&job_id=64bea283eff6475ea6596027a6ba0929&transcoded_version=mp4 HTTP/1.1
Host: api.cielo24.com
```

Example Response

```
HTTP/1.1 200 OK
Content-Type: application/json

{ "MediaUrl" : "https://sample.url.com" }
```

4.12 Perform Transcription

Request that transcription be performed on the specified job. A callback URL, if specified, will be called when the transcription is complete. See [callback documentation](#) for details.

HTTP Method

```
GET /api/job/perform_transcription
```

Query String Parameters — Required

Name	Details	
v	<i>Description</i>	The version of the API to use
	<i>Allowed Values</i>	1
	<i>Example</i>	v=1
api_token	<i>Description</i>	The API token used for this session
	<i>Allowed Values</i>	Hex String
	<i>Example</i>	api_token=7ca5dc5c7cce449fb0fff719307e8f5f
job_id	<i>Description</i>	The ID of the job
	<i>Allowed Values</i>	Hex String
	<i>Example</i>	job_id=64bea283eff6475ea6596027a6ba0929
transcription_fidelity	<i>Description</i>	The desired fidelity of the transcription
	<i>Allowed Values</i>	<i>Fidelity Enumeration</i>
	<i>Example</i>	transcription_fidelity=PREMIUM
priority	<i>Allowed Values</i>	<i>Priority Enumeration</i>
	<i>Example</i>	priority=STANDARD

Query String Parameters — Optional

Name	Details	
callback_url	<i>Allowed Values</i>	URL Encoded String
	<i>Example</i>	callback_url=http%3A%2F%2Fdomain.com%2Fpath
	<i>Example</i>	callback_url=http%3A%2F%2Fdomain.com%2Fpath
options	<i>Allowed Values</i>	Stringified dictionary
	<i>Example</i>	options={"notes":"test","speaker_id":true}
	<i>Example</i>	options={"notes":"test","speaker_id":true}
target_language	<i>Allowed Values</i>	RFC 5646 Language code
	<i>Example</i>	target_language=de
	<i>Example</i>	target_language=de
turnaround_hours	<i>Allowed Values</i>	Integer
	<i>Example</i>	turnaround_hours=36
	<i>Example</i>	turnaround_hours=36

Job Options

The following options can be provided as a stringified dictionary.

The resulting string will be the value of the *options* query parameter.

Example: options={"notes":"test_note","speaker_id":true}

Name	Details	
customer_approval_steps	<i>Allowed Values</i>	[TRANSLATION, RETURN]
	<i>Default Value</i>	[]
	<i>Example</i>	customer_approval_steps=[TRANSLATION]
customer_approval_tool	<i>Allowed Values</i>	[AMARA, CIELO24]
	<i>Default Value</i>	CIELO24
	<i>Example</i>	customer_approval_tool=CIELO24
custom_metadata	<i>Allowed Values</i>	Single level JSON dictionary
	<i>Default Value</i>	{ }
	<i>Example</i>	custom_metadata={ "key" : "value" }
notes	<i>Allowed Values</i>	String (<= 1000 characters)
	<i>Default Value</i>	""
	<i>Example</i>	notes=sometext
return_iwp	<i>Allowed Values</i>	<i>IWP Enumeration</i>
	<i>Default Value</i>	[]
	<i>Example</i>	return_iwp=[MECHANICAL, FINAL]
generate_media_intelligence_iwp	See <i>ElementList</i> for details.	
	<i>Allowed Values</i>	<i>IWP Enumeration</i>
	<i>Default Value</i>	[]
	<i>Example</i>	generate_media_intelligence_iwp=[MECHANICAL, FINAL]
speaker_id	<i>Allowed Values</i>	Boolean
	<i>Default Value</i>	false
	<i>Example</i>	speaker_id=true

Responses

HTTP Code	Details	
200	<i>Description</i>	Success
	<i>Contents</i>	<pre>{ "TaskId" : "Encoded_ ↪Task ID" }</pre>
400	<i>Description</i>	An error occurred
	<i>Contents</i>	Error description (see <i>Error Format</i> for details)

Example Requests

```
GET /api/job/perform_transcription?v=1
&api_token=7ca5dc5c7cce449fb0fff719307e8f5f
&job_id=64bea283eff6475ea6596027a6ba0929
&transcription_fidelity=PREMIUM&priority=STANDARD HTTP/1.1
Host: api.cielo24.com
```

Example Response

```
HTTP/1.1 200 OK
Content-Type: application/json

{ "TaskId" : "41ec7d23fb4b45f9b48a13d0b7283bf2" }
```

4.13 Get Transcript

Get the transcript file for a job. The job must have completed transcription before a transcript can be downloaded.

HTTP Method

GET /api/job/get_transcript

Query String Parameters — Required

Name	Details	
v	<i>Description</i>	The version of the API to use
	<i>Allowed Values</i>	1
	<i>Example</i>	v=1
api_token	<i>Description</i>	The API token used for this session
	<i>Allowed Values</i>	Hex String
	<i>Example</i>	api_token=7ca5dc5c7cce449fb0fff719307e8f5f
job_id	<i>Description</i>	The ID of the job
	<i>Allowed Values</i>	Hex String
	<i>Example</i>	job_id=64bea283eff6475ea6596027a6ba0929

Query String Parameters — Optional

Name	Details	
create_paragraphs	<i>Allowed Values</i>	Boolean
	<i>Default Value</i>	true
	<i>Example</i>	create_paragraphs=true
elementlist_version	<i>Allowed Values</i>	ISO 8601 Date String
	<i>Default Value</i>	""
	<i>Example</i>	elementlist_version=2014-0
emit_speaker_change_tokens_as	<i>Allowed Values</i>	String
	<i>Default Value</i>	">>"
	<i>Example</i>	emit_speaker_change_tokens
newlines_after_paragraph	<i>Allowed Values</i>	Integer
	<i>Default Value</i>	2
	<i>Example</i>	newlines_after_paragraph=3
newlines_after_sentence	<i>Allowed Values</i>	Integer
	<i>Default Value</i>	0
	<i>Example</i>	newlines_after_sentence=1
remove_disfluencies	<i>Allowed Values</i>	Boolean

Conti

Table 2 – continued from previous page

Name	Details	
	<i>Default Value</i>	true
	<i>Example</i>	remove_disfluencies=false
mask_profanity	<i>Allowed Values</i>	Boolean
	<i>Default Value</i>	false
	<i>Example</i>	mask_profanity=true
remove_sounds_list	<i>Allowed Values</i>	<i>Sound Tag Enumeration</i>
	<i>Default Value</i>	[]
	<i>Example</i>	remove_sounds_list=["MUSIC"]
remove_sound_references	<i>Allowed Values</i>	Boolean
	<i>Default Value</i>	true
	<i>Example</i>	remove_sound_references=false
replace_slang	<i>Allowed Values</i>	Boolean
	<i>Default Value</i>	false
	<i>Example</i>	replace_slang=true
sound_boundaries	<i>Allowed Values</i>	Character Tuple
	<i>Default Value</i>	(';',')
	<i>Example</i>	sound_boundaries=(';',')
timecode_every_paragraph	<i>Allowed Values</i>	Boolean
	<i>Default Value</i>	true
	<i>Example</i>	timecode_every_paragraph=false
timecode_format	<i>Allowed Values</i>	String
	<i>Default Value</i>	[%H:%M:%S.%f]
	<i>Example</i>	timecode_format=[%H:%M:%S]
timecode_interval	<i>Allowed Values</i>	Integer
	<i>Default Value</i>	0
	<i>Example</i>	timecode_interval=100
timecode_offset	<i>Allowed Values</i>	Integer
	<i>Default Value</i>	0
	<i>Example</i>	timecode_offset=200
file_format	<i>Allowed Values</i>	String. One of [txt, html, pdf (coming s
	<i>Default Value</i>	txt
	<i>Example</i>	file_format=html

Responses

HTTP Code	Details	
200	<i>Description</i>	Success
	<i>Contents</i>	Transcript file as body →data
400	<i>Description</i>	An error occurred
	<i>Contents</i>	Error description (see <i>Error Format</i> for details)

Example Requests

```
GET /api/job/get_transcript?v=1&api_token=7ca5dc5c7cce449fb0fff719307e8f5f
&job_id=64bea283eff6475ea6596027a6ba0929 HTTP/1.1
Host: api.cielo24.com
```

Example Response

```
HTTP/1.1 200 OK
Content-Type: text/plain

[00:00:01]
First line of text.

[00:00:11]
Second line of text.
```

4.14 Get Caption

Get the caption file for a job. The job must have completed transcription before a caption can be downloaded.

HTTP Method

GET /api/job/get_caption

Query String Parameters — Required

Name	Details	
v	<i>Description</i>	The version of the API to use
	<i>Allowed Values</i>	1
	<i>Example</i>	v=1
api_token	<i>Description</i>	The API token used for this session
	<i>Allowed Values</i>	Hex String
	<i>Example</i>	api_token=7ca5dc5c7cce449fb0fff719307e8f5f
job_id	<i>Description</i>	The ID of the job
	<i>Allowed Values</i>	Hex String
	<i>Example</i>	job_id=64bea283eff6475ea6596027a6ba0929
caption_format	<i>Description</i>	The format of the caption file to return
	<i>Allowed Values</i>	<i>Caption Format Enumeration</i>
	<i>Example</i>	caption_format=SRT

Query String Parameters — Optional

Name	Details	
build_url	<i>Allowed Values</i>	Boolean
	<i>Default Value</i>	false
	<i>Example</i>	build_url=true
caption_words_min	<i>Allowed Values</i>	Integer
	<i>Default Value</i>	1
	<i>Example</i>	caption_words_min=3
caption_by_sentence	<i>Allowed Values</i>	Boolean
	<i>Default Value</i>	true
	<i>Example</i>	caption_by_sentence=fals
characters_per_caption_line	<i>Allowed Values</i>	Integer
	<i>Default Value</i>	42
	<i>Example</i>	characters_per_caption_l
dfxp_header	<i>Allowed Values</i>	XML String
	<i>Default Value</i>	""
	<i>Example</i>	dfxp_header=<head></head>
disallow_dangling	<i>Allowed Values</i>	Boolean
	<i>Default Value</i>	false
	<i>Example</i>	disallow_dangling=true
display_effects_speaker_as	<i>Allowed Values</i>	String
	<i>Default Value</i>	Effects
	<i>Example</i>	display_effects_speaker_
display_speaker_id	<i>Allowed Values</i>	<i>Speaker ID Enumeration</i>
	<i>Default Value</i>	name
	<i>Example</i>	display_speaker_id=numbe
elementlist_version	<i>Allowed Values</i>	ISO 8601 Date String
	<i>Default Value</i>	""
	<i>Example</i>	elementlist_version=2014
emit_speaker_change_tokens_as	<i>Allowed Values</i>	String
	<i>Default Value</i>	">>"
	<i>Example</i>	emit_speaker_change_toke
force_case	<i>Allowed Values</i>	<i>Case Enumeration</i>
	<i>Default Value</i>	""
	<i>Example</i>	force_case=lower
include_dfxp_metadata	<i>Allowed Values</i>	Boolean
	<i>Default Value</i>	true
	<i>Example</i>	include_dfxp_metadata=fa
layout_target_caption_length_ms	<i>Allowed Values</i>	Integer
	<i>Default Value</i>	5000

Table 3 – continued from previous page

Name	Details	
	<i>Example</i>	layout_target_caption_le
line_break_on_sentence	<i>Allowed Values</i>	Boolean
	<i>Default Value</i>	false
	<i>Example</i>	line_break_on_sentence=t
line_ending_format	<i>Allowed Values</i>	<i>Line Ending Enumeration</i>
	<i>Default Value</i>	“UNIX”
	<i>Example</i>	line_ending_format=OSX
lines_per_caption	<i>Allowed Values</i>	Integer
	<i>Default Value</i>	2
	<i>Example</i>	lines_per_caption=3
mask_profanity	<i>Allowed Values</i>	Boolean
	<i>Default Value</i>	false
	<i>Example</i>	mask_profanity=true
maximum_caption_duration	<i>Allowed Values</i>	Integer
	<i>Default Value</i>	None (no maximum)
	<i>Example</i>	maximum_caption_duration
merge_gap_interval	<i>Allowed Values</i>	Integer
	<i>Default Value</i>	1000
	<i>Example</i>	merge_gap_interval=1500
minimum_caption_length_ms	<i>Allowed Values</i>	Integer
	<i>Default Value</i>	None (no minimum)
	<i>Example</i>	minimum_caption_length_m
minimum_gap_between_captions_ms	<i>Allowed Values</i>	Integer
	<i>Default Value</i>	None (no minimum)
	<i>Example</i>	minimum_gap_between_capt
qt_seamless	<i>Allowed Values</i>	Boolean
	<i>Default Value</i>	false
	<i>Example</i>	qt_seamless=true
remove_disfluencies	<i>Allowed Values</i>	Boolean
	<i>Default Value</i>	true
	<i>Example</i>	remove_disfluencies=fals
remove_sounds_list	<i>Allowed Values</i>	<i>Sound Tag Enumeration</i>
	<i>Default Value</i>	[]
	<i>Example</i>	remove_sounds_list=["MUS
remove_sound_references	<i>Allowed Values</i>	Boolean
	<i>Default Value</i>	true
	<i>Example</i>	remove_sound_references=
replace_slang	<i>Allowed Values</i>	Boolean

Table 3 – continued from previous page

Name	Details	
	<i>Default Value</i>	false
	<i>Example</i>	replace_slang=true
silence_max_ms	<i>Allowed Values</i>	Integer
	<i>Default Value</i>	2000
	<i>Example</i>	silence_max_ms=1000
single_speaker_per_caption	<i>Allowed Values</i>	Boolean
	<i>Default Value</i>	false
	<i>Example</i>	single_speaker_per_capti
sound_boundaries	<i>Allowed Values</i>	Character Tuple
	<i>Default Value</i>	('[:;'])
	<i>Example</i>	sound_boundaries=('{' , '}'
sound_threshold	<i>Allowed Values</i>	Integer
	<i>Default Value</i>	None
	<i>Example</i>	sound_threshold=5000
sound_tokens_by_caption	<i>Allowed Values</i>	Boolean
	<i>Default Value</i>	false
	<i>Example</i>	sound_tokens_by_caption=
sound_tokens_by_line	<i>Allowed Values</i>	Boolean
	<i>Default Value</i>	false
	<i>Example</i>	sound_tokens_by_line=tru
sound_tokens_by_caption_list	<i>Allowed Values</i>	<i>Sound Tag Enumeration</i>
	<i>Default Value</i>	["BLANK_AUDIO","MUSIC"]
	<i>Example</i>	sound_tokens_by_captio
sound_tokens_by_line_list	<i>Allowed Values</i>	<i>Sound Tag Enumeration</i>
	<i>Default Value</i>	["BLANK_AUDIO","MUSIC"]
	<i>Example</i>	sound_tokens_by_line_lis
speaker_on_new_line	<i>Allowed Values</i>	Boolean
	<i>Default Value</i>	true
	<i>Example</i>	speaker_on_new_line=fals
srt_format	<i>Allowed Values</i>	String
	<i>Default Value</i>	
	<i>Example</i>	srt_format=...
strip_square_brackets	<i>Allowed Values</i>	Boolean
	<i>Default Value</i>	false
	<i>Example</i>	strip_square_brackets=tr
utf8_mark	<i>Allowed Values</i>	Boolean
	<i>Default Value</i>	false
	<i>Example</i>	utf8_mark=true
replace_english_spelling		

Table 3 – continued from previous page

Name	Details	
	<i>Allowed Values</i>	String
	<i>Default Value</i>	
	<i>Example</i>	replace_english_spelling

Responses

Returns requested caption file as body data, or if **build_url** was set to true returns caption URL.

HTTP Code	Details	
200	<i>Description</i>	Success
	<i>Contents</i>	Caption file as body data
200	<i>Description</i>	Success
	<i>Contents</i>	{ "CaptionUrl": "Hosted_ ↪URL" }
400	<i>Description</i>	An error occurred
	<i>Contents</i>	Error description (see <i>Error Format</i> for details)

Example Requests

```
GET /api/job/get_caption?v=1&api_token=7ca5dc5c7cce449fb0fff719307e8f5f
&job_id=64bea283eff6475ea6596027a6ba0929&caption_format=SRT HTTP/1.1
Host: api.cielo24.com
```

Example Response

```
HTTP/1.1 200 OK
Content-Type: text/plain

1
00:02:17,440 --> 00:02:20,375
Some text on first line.

2
00:02:20,476 --> 00:02:22,501
More text on second line.
```

```
HTTP/1.1 200 OK
Content-Type: application/json

{ "CaptionUrl": "http://domain.com/path/file.srt" }
```

4.15 Get ElementList

Get the ElementList for a job. The job must have completed transcription before a caption can be downloaded.

HTTP Method

GET /api/job/get_elementlist

Query String Parameters — Required

Name	Details	
v	<i>Description</i>	The version of the API to use
	<i>Allowed Values</i>	1
	<i>Example</i>	v=1
api_token	<i>Description</i>	The API token used for this session
	<i>Allowed Values</i>	Hex String
	<i>Example</i>	api_token=7ca5dc5c7cce449fb0fff719307e8f5f
job_id	<i>Description</i>	The ID of the job
	<i>Allowed Values</i>	Hex String
	<i>Example</i>	job_id=64bea283eff6475ea6596027a6ba0929

Query String Parameters — Optional

Name	Details	
elementlist_version	<i>Description</i>	The version of the ElementList to return
	<i>Allowed Values</i>	ISO 8601 Date String
	<i>Default Value</i>	None (the latest version is returned)
	<i>Example</i>	elementlist_version=2014-07-31T12:35:52Z

Responses

HTTP Code	Details	
200	<i>Description</i>	Success
	<i>Contents</i>	JSON formatted <code>↪ElementList</code> . See <i>ElementList Format</i> for details.
400	<i>Description</i>	An error occurred
	<i>Contents</i>	Error description (see <i>Error Format</i> for details)

Example Requests

```
GET /api/job/get_elementlist?v=1&api_token=7ca5dc5c7cce449fb0fff719307e8f5f
&job_id=64bea283eff6475ea6596027a6ba0929 HTTP/1.1
Host: api.cielo24.com
```

Example Response

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "version" : 3,
  "start_time" : 1120,
  "end_time" : 774960,
  "language" : "EN_US",
  "segments" :
```

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```

[
  {
    "sequences" :
    [
      {
        "tokens" :
        [
          {
            "interpolated" : false,
            "start_time" : 1120,
            "end_time" : 1470,
            "value" : "topic",
            "type" : 0,
            "display_as" : "Topic",
            "tags" : []
          }
        ],
        "interpolated" : false,
        "start_time" : 1120,
        "end_time" : 1470,
        "confidence_score" : 1.0
      }
    ],
    "speaker_change" : false,
    "speaker_id" : false,
    "interpolated" : true,
    "start_time" : 1120,
    "end_time" : 3640
  }
]
"speakers" : []
}

```

4.16 Get List of ElementLists

Gets the list of ElementLists for the job.

HTTP Method

GET /api/job/list_elementlists

Query String Parameters — Required

Name	Details	
v	<i>Description</i>	The version of the API to use
	<i>Allowed Values</i>	1
	<i>Example</i>	v=1
api_token	<i>Description</i>	The API token used for this session
	<i>Allowed Values</i>	Hex String
	<i>Example</i>	api_token=7ca5dc5c7cce449fb0fff719307e8f5f
job_id	<i>Description</i>	The ID of the job
	<i>Allowed Values</i>	Hex String
	<i>Example</i>	job_id=64bea283eff6475ea6596027a6ba0929

Responses

HTTP Code	Details	
200	<i>Description</i>	Success
	<i>Contents</i>	JSON formatted list of <code>ElementList</code> versions. See <i>ElementList List Format</i> for details.
400	<i>Description</i>	An error occurred
	<i>Contents</i>	Error description (see <i>Error Format</i> for details)

Example Requests

```
GET /api/job/list_elementlists?v=1&api_token=7ca5dc5c7cce449fb0fff719307e8f5f
&job_id=64bea283eff6475ea6596027a6ba0929 HTTP/1.1
Host: api.cielo24.com
```

Example Response

```
HTTP/1.1 200 OK
Content-Type: application/json

[{"iwp_name": "example",
  "version": "2014-07-31T12:35:52Z"}]
```

4.17 Aggregate Statistics

Get aggregate statistics for the user account. The statistics can be aggregated for the requester’s account and/or its sub-accounts, grouped by week or month and filtered by a time range.

HTTP Method

GET /api/job/aggregate_statistics

Query String Parameters — Required

Name	Details	
v	<i>Description</i>	The version of the API to use
	<i>Allowed Values</i>	1
	<i>Example</i>	v=1
api_token	<i>Description</i>	The API token used for this session
	<i>Allowed Values</i>	Hex String
	<i>Example</i>	api_token=7ca5dc5c7cce449fb0fff719307e8f5f

Query String Parameters for filtering — Optional

Name	Details	
account_id	<i>Description</i>	
	<i>Allowed Values</i>	String
	<i>Example</i>	account_id=my_sub_account
metrics	<i>Description</i>	
	<i>Allowed Values</i>	JSON array of strings
	<i>Example</i>	metrics=["billable_minutes_total"]
group_by	<i>Description</i>	
	<i>Allowed Values</i>	["week", "month"]
	<i>Example</i>	group_by=month
start_date	<i>Description</i>	
	<i>Allowed Values</i>	Date in ISO format.
	<i>Example</i>	start_date=2014-08-27T13:40:53
end_date	<i>Description</i>	
	<i>Allowed Values</i>	Date in ISO format.
	<i>Example</i>	end_date=2014-08-27T13:40:53

Responses

HTTP Code	Details	
200	<i>Description</i>	Success
	<i>Contents</i>	JSON formatted statistics. See below for details.
400	<i>Description</i>	An error occurred
	<i>Contents</i>	Error description (see <i>Error Format</i> for details)

Example Requests and Responses

```
GET /api/job/aggregate_statistics?v=1&api_token=7ca5dc5c7cce449fb0fff719307e8f5f HTTP/1.1
Host: api.cielo24.com
```

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "data": [
    /* When group_by is unspecified, data is aggregated into a single block */
    {
      "billable_minutes_total": 372,
      /* Note: Total = Foreign + English + Translation */
      "billable_minutes_foreign_transcription": 13,
      "billable_minutes_english_transcription": 340,
      "billable_minutes_translation": 19,
      /* Note: Total = Professional + Premium + Mechanical */
      "billable_minutes_professional": 323,
      "billable_minutes_premium": 6,
      "billable_minutes_mechanical": 43,
      "start_date": "2015-03-20T15:32:19.902607",
      "end_date": "2015-10-30T12:28:23.894872",
    }
  ]
}
```

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```

    ],
    "start_date": null,
    "end_date": null
  }

```

```

GET /api/job/aggregate_statistics?v=1&api_token=7ca5dc5c7cce449fb0fff719307e8f5f HTTP/
↪1.1
&metrics=["billable_minutes_total","billable_minutes_professional","billable_minutes_
↪english_transcription"]
&start_date=2015-03-26T11:36:09.237373&end_date=2015-05-01T11:35:46.993607&group_
↪by=week
Host: api.cielo24.com

```

```

HTTP/1.1 200 OK
Content-Type: application/json

{
  "data": [
    {
      "billable_minutes_professional": 4,
      "billable_minutes_total": 4,
      "billable_minutes_english_transcription": 4,
      "start_date": "2015-03-26T11:36:09.237373",
      "end_date": "2015-03-28T23:59:59.999999"
    },
    {
      "billable_minutes_professional": 10,
      "billable_minutes_total": 14,
      "billable_minutes_english_transcription": 14,
      "start_date": "2015-03-29T00:00:00",
      "end_date": "2015-04-04T23:59:59.999999"
    },
    {
      "billable_minutes_professional": 15,
      "billable_minutes_total": 25,
      "billable_minutes_english_transcription": 17,
      "start_date": "2015-04-05T00:00:00",
      "end_date": "2015-04-11T23:59:59.999999"
    },
    {
      "billable_minutes_professional": 17,
      "billable_minutes_total": 18,
      "billable_minutes_english_transcription": 15,
      "start_date": "2015-04-12T00:00:00",
      "end_date": "2015-04-18T23:59:59.999999"
    },
    {
      "billable_minutes_professional": 10,
      "billable_minutes_total": 10,
      "billable_minutes_english_transcription": 10,
      "start_date": "2015-04-19T00:00:00",
      "end_date": "2015-04-25T23:59:59.999999"
    },
    {
      "billable_minutes_professional": 38,
      "billable_minutes_total": 38,

```

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```
        "billable_minutes_english_transcription": 38,  
        "start_date": "2015-04-26T00:00:00",  
        "end_date": "2015-05-01T11:35:46.993607"  
    },  
    ],  
    "start_date": "2015-03-26T11:36:09.237373",  
    "end_date": "2015-05-01T11:35:46.993607"  
}
```


Below are descriptions of the formats and enumeration types used in cielo24 API.

5.1 JSON Formats

Below are the descriptions of the formats used in cielo24 API.

5.1.1 Job Info Format

The following defines the Job Info in JSON format:

```
{
  "JobId" : "<Guid HexString>",
  "JobName" : "<String>",
  "MediaLengthSeconds" : "<Float>",
  "ExternalID" : "<String (dependant on third-party integrations)>",
  "Priority" : "<Priority Enum>",
  "Fidelity" : "<Fidelity Enum>",
  "JobStatus" : "<JobStatus Enum>",
  "Options" : {
    "<JobConfigOption>" : "<Value>"
    ...
  },
  "ReturnTargets" : {
    "<ReturnTargetName>" : "<ReturnTargetValue>",
    ...
  },
  "SourceLanguage" : "<RFC 5646 Language Code>",
  "TargetLanguage" : "<RFC 5646 Language Code>",
  "CreationDate" : "<ISO 8601 Date String>",
  "StartDate" : "<ISO 8601 Date String>",
  "DueDate" : "<ISO 8601 Date String>",
```

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```

"CompletedDate" : "<ISO 8601 Date String>",
"ReturnDate": "<ISO 8601 Date String>",
"AuthorizationDate": "<ISO 8601 Date String>",
"JobDifficulty" : "<JobDifficulty Enum>"
}

```

Related: *Priority Enumeration, Fidelity Enumeration, Job Status Enumeration, JobDifficulty Enumeration* .

5.1.2 Job List Format

The following defines the Job List in JSON format:

```

{
  "Username" : "<String>",
  "ActiveJobs" :
  [
    "List of Jobs (see below)"
  ]
}

```

5.1.3 Job Format

The following defines the Job in JSON format:

```

{
  "JobId" : "<Guid HexString>",
  "JobName" : "<String>",
  "Username": "<String>",
  "MediaLengthSeconds" : "<Float>",
  "ExternalID" : "<String (dependant on third-party integrations)>",
  "Priority" : "<Priority Enum>",
  "Fidelity" : "<Fidelity Enum>",
  "JobStatus" : "<JobStatus Enum>",
  "SourceLanguage" : "<RFC 5646 Language Code>",
  "TargetLanguage" : "<RFC 5646 Language Code>",
  "CreationDate" : "<ISO 8601 Date String>",
  "StartDate" : "<ISO 8601 Date String>",
  "DueDate" : "<ISO 8601 Date String>",
  "CompletedDate" : "<ISO 8601 Date String>",
  "ReturnDate": "<ISO 8601 Date String>",
  "AuthorizationDate": "<ISO 8601 Date String>",
  "JobDifficulty": "<JobDifficulty Enum>",
  "Options" : {
    "<JobConfigOption>" : "<Value>"
    ...
  },
  "ReturnTargets" : {
    "<ReturnTargetName>" : "<ReturnTargetValue>",
    ...
  }
}

```

Related: *Fidelity Enumeration, Priority Enumeration, Job Status Enumeration, JobDifficulty Enumeration* .

5.1.4 Error Format

The following defines the Error Output in JSON format:

```
{
  "ErrorType" : "<ErrorType Enum>",
  "ErrorComment" : "<String>"
}
```

Related: *Error Type Enumeration*.

5.1.5 ElementList List Format

The following defines the ElementList list in JSON format:

```
[{
  "iwp_name" : "<String>",
  "version" : "<ISO 8601 Date String>"
}]
```

5.2 ElementList Format

An ElementList is JSON encoded data that contains words, timing, and some metadata of a transcript. The JSON data structures that comprise an ElementList are defined below. All API calls expect and return ElementList version 2 data structures. An example ElementList can be found [here](#).

5.2.1 JSON Definitions

ElementList:

```
{
  /* The ElementList format version. Currently 2. */
  "version" : "<Integer>",

  /* The start time of the ElementList relative to the media associated with it.
   * Typically this is 0. */
  "start_time" : "<Integer (milliseconds)>",

  /* The end time of the ElementList relative to the media associated with it.
   * Typically this is the length of the media. */
  "end_time" : "<Integer (milliseconds)>",

  /* The language of the ElementList. */
  "language" : "<String (RFC 5646 Language Code)>",

  /* A list of segments (see definition below).
   * This variable is required, but can contain an empty list. */
  "segments" : [<Segment>],

  /* A list of speakers (see definition below).
   * This variable is optional. */
  "speakers" : [<Speaker>],
```

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```

/* A dictionary of keywords (see definition below).
 * This variable is optional. */
"keywords" : { "<keyword_value>" : "<Keyword>", },

/* A dictionary of topics (see definition below).
 * This variable is optional. */
"topics" : { "<topic_name>" : "<Topic>", },

/* A dictionary of entities (see definition below).
 * This variable is optional. */
"entities" : { "<entity_name>" : "<Entity>", }
}

```

Speaker:

```

{
  /* The speaker's name.
   * This variable is required, but it can be empty. */
  "name" : "<String>",

  /* The speaker's identifier. Sequential number starting from 1.
   * This variable is required and it cannot be empty. */
  "id" : "<Integer>",

  /* The speaker's gender (MALE, FEMALE or UNKNOWN).
   * This variable is required, but it can be empty. */
  "gender" : "<SpeakerGender Enum>"
}

```

Related: *Speaker Gender Enumeration.***Segment:**

```

{
  /* If true, this segment is spoken by a different speaker than the previous_
  ↪segment. */
  "speaker_change" : "<Boolean>",

  /* The identifier of this segment's speaker. The speaker must be
   * in the ElementList's speakers list. This variable is optional. */
  "speaker_id" : "<Integer>",

  /* Reserved for future use. This variable is optional. */
  "interpolated" : "<Boolean>",

  /* The start time of the segment relative to the media associated with it. */
  "start_time" : "<Integer (milliseconds)>",

  /* The end time of the segment relative to the media associated with it. */
  "end_time" : "<Integer (milliseconds)>",

  /* A list of sequences (see definition below).
   * This variable is required, but can contain an empty list. */
  "sequences" : [<Sequence>],

  /* Reserved for future use. This variable is optional. */
}

```

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```
"style": "<String>"
}
```

Sequence:

```
{
  /* Reserved for future use. This variable is optional. */
  "interpolated" : "<Boolean>",

  /* The start time of the sequence relative to the media associated with it. */
  "start_time" : "<Integer (milliseconds)>",

  /* The end time of the sequence relative to the media associated with it. */
  "end_time" : "<Integer (milliseconds)>",

  /* Reserved for future use. This variable is optional. */
  "confidence_score" : "<Float>",

  /* A list of tokens (see definition below).
   * This variable is required, but can contain an empty list. */
  "tokens" : [<Token>],

  /* Reserved for future use. This variable is optional. */
  "style": "<String>"
}
```

Token:

```
{
  /* If true, the timing for this token has been interpolated.
   * If false, the timing for this token has been generated
   * by an ASR or human. */
  "interpolated" : "<Boolean>",

  /* The start time of the token relative to the media that it is associated with. ↵
  ↪ */
  "start_time" : "<Integer (milliseconds)>",

  /* The end time of the token relative to the media that it is associated with. */
  "end_time" : "<Integer (milliseconds)>",

  /* The string value of the token. Should always be lowercase. */
  "value" : "<String>",

  /* The type of token. */
  "type" : "<TokenType Enum>",

  /* The display value of the token.
   * May be mixed case or otherwise different than the word value. */
  "display_as" : "<String>",

  /* A list of tags. */
  "tags" : [<Tag Enum>],

  /* Reserved for future use. This variable is optional. */
  "style": "<String>"
}
```

Related: *Token Type Enumeration, Sound Tag Enumeration.*

Entity, Topic and Keyword:

The entity/keyword/topic portions of the ElementList contain metadata related to the contents of the ElementList.

Note: The time ranges for the meta data may not exactly match token or segment boundaries.

Note: The text of some entities/keywords/topics may have been inferred by the content of the transcript and may not actually appear in the ElementList.

Note: The actual entity/keyword/topic is the “key” in the dictionary. It is always lowercase and will not be duplicated. The following data construct is the “value” associated with the “key”.

Note: The display_name may differ from the “key”, typically in capitalization, but sometimes there are other differences.

```
"keyword (key)": {
  /* The display value of the entity/keyword/topic.
   * May be mixed case or otherwise different than the key value. */
  "display_name": "<String>",

  /* A URL to an external resource related to this entity/keyword/topic. */
  "url": "<String (URL)>",

  /* A list of time ranges to which the entity/keyword/topic is related. */
  "time_ranges": [
    {
      "start_time": "<Integer (milliseconds)>",
      "end_time": "<Integer (milliseconds)>"
    },
  ]
}
```

5.2.2 Additional Notes

1. All times are in whole milliseconds (no decimal places) referenced from the start of the media.
2. The times of segment, sequences, and tokens are not permitted to overlap.
3. All times must be positive.
4. Zero duration segment, sequences, and tokens are not permitted.
5. The *ENDS_SENTENCE* tag should be placed in the token for punctuation that ends the sentence. Typically this is a period, question mark, or exclamation point. However, it can be any valid token.
6. There should be only one sentence per segment.
7. There should be only one speaker per segment.

8. Sequences should contain tokens that should not be separated by whitespace, such as a word and the punctuation associated with it.

5.3 Enumeration Types

Enumeration types used in cielo24 API.

5.3.1 Error Type Enumeration

5.3.2 Job Status Enumeration

5.3.3 Priority Enumeration

5.3.4 Fidelity Enumeration

5.3.5 JobDifficulty Enumeration

5.3.6 Caption Format Enumeration

5.3.7 Token Type Enumeration

5.3.8 Sound Tag Enumeration

5.3.9 Speaker ID Enumeration

5.3.10 Speaker Gender Enumeration

5.3.11 Line Ending Enumeration

5.3.12 Case Enumeration

5.3.13 Customer Approval Steps Enumeration

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5.3.15 IWP Enumeration

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