

Package ‘speechmatics’

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Title Client for the 'Speechmatics' Speech-to-Text API

Version 0.1.0

Description Transcribe audio files using the 'Speechmatics' speech-to-text API <<https://www.speechmatics.com/>>. Supports custom vocabulary, speaker diarization, punctuation control, and audio filtering.

URL <https://github.com/thisisnic/speechmatics>,
<https://thisisnic.github.io/speechmatics/>

BugReports <https://github.com/thisisnic/speechmatics/issues>

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Imports cli, curl, httr2 (>= 1.2.0), jsonlite, rlang

Depends R (>= 4.2.0)

Encoding UTF-8

RoxygenNote 8.0.0

Suggests knitr, rmarkdown, testthat (>= 3.0.0), vcr (>= 2.0.0)

VignetteBuilder knitr

Config/testthat/edition 3

NeedsCompilation no

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sm_delete_job	<i>Delete a job</i>
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Description

Delete a job

Usage

```
sm_delete_job(job_id)
```

Arguments

job_id	Job ID string.
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Value

TRUE, invisibly.

Examples

```
## Not run:
sm_delete_job("2om9psu1np")

## End(Not run)
```

sm_diarize_channel	<i>Configure channel diarization</i>
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Description

Configure channel diarization

Usage

```
sm_diarize_channel(labels = NULL)
```

Arguments

labels	Character vector of channel labels (e.g. c("Agent", "Caller")).
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Value

A diarization config list.

Examples

```
sm_diarize_channel()  
  
# label channels  
sm_diarize_channel(labels = c("Nic", "Jess"))
```

sm_diarize_speaker *Configure speaker diarization*

Description

Configure speaker diarization

Usage

```
sm_diarize_speaker(sensitivity = 0.5, prefer_current = FALSE)
```

Arguments

- `sensitivity` Numeric 0-1 (default 0.5). Higher values detect more speakers.
- `prefer_current` Logical. Reduces false switches between similar-sounding speakers.

Value

A diarization config list.

Examples

```
sm_diarize_speaker()  
sm_diarize_speaker(sensitivity = 0.8, prefer_current = TRUE)
```

sm_get_transcript *Get transcript for a completed job*

Description

Get transcript for a completed job

Usage

```
sm_get_transcript(job_id, format = c("txt", "srt", "json-v2"))
```

Arguments

job_id	Job ID string.
format	Output format: "txt" for plain text (default), "srt" for subtitles, or "json-v2" for structured data with timestamps, speaker labels, and confidence scores.

Value

Transcript as a character string ("txt" and "srt") or a list ("json-v2").

Examples

```
## Not run:  
sm_get_transcript("2om9psu1np")  
sm_get_transcript("2om9psu1np", format = "srt")  
sm_get_transcript("2om9psu1np", format = "json-v2")  
  
## End(Not run)
```

sm_list_jobs *List all jobs*

Description

List all jobs

Usage

```
sm_list_jobs()
```

Value

A data frame of jobs.

Examples

```
## Not run:  
sm_list_jobs()  
  
## End(Not run)
```

sm_transcribe	<i>Transcribe an audio file</i>
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Description

Submits an audio file to the Speechmatics API, polls until complete, and writes the transcript to a file.

Usage

```
sm_transcribe(  
  input,  
  output = NULL,  
  config = sm_transcription_config(),  
  poll_interval = 5  
)
```

Arguments

input	Path to the input audio file.
output	Path to the output transcript file. If NULL (the default), the output is written to the working directory with the same name as the input file but with a .txt extension.
config	Config from sm_transcription_config().
poll_interval	Seconds between status checks.

Value

The output path, invisibly.

Examples

```
## Not run:  
audio <- system.file("extdata", "testrecording.mp3", package = "speechmatics")  
sm_transcribe(audio)  
sm_transcribe(audio, "output.txt")  
sm_transcribe(audio, config = sm_transcription_config(quality = "enhanced"))  
  
## End(Not run)
```

`sm_transcription_config`*Build transcription config*

Description

Build transcription config

Usage

```
sm_transcription_config(  
    language = "en",  
    quality = c("standard", "enhanced"),  
    diarization = NULL  
)
```

Arguments

language	Language code (default "en").
quality	"standard" or "enhanced".
diarization	A diarization object from <code>sm_diarize_speaker()</code> or <code>sm_diarize_channel()</code> , or NULL for no diarization.

Value

A config list suitable for passing to `sm_transcribe()`.

Examples

```
sm_transcription_config()  
sm_transcription_config(language = "fr", quality = "enhanced")  
sm_transcription_config(diarization = sm_diarize_speaker())
```

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