

Package ‘aws.transcribe’

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Type Package

Title Client for 'AWS Transcribe'

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Description Client for 'AWS Transcribe' <<https://aws.amazon.com/documentation/transcribe>>, a cloud transcription service that can convert an audio media file in English and other languages into a text transcript.

License GPL (>= 2)

URL <https://github.com/cloudyr/aws.transcribe>

BugReports <https://github.com/cloudyr/aws.transcribe/issues>

Imports tools, httr, jsonlite, aws.signature

Suggests testthat, aws.s3

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NeedsCompilation no

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aws.transcribe-package

aws.transcribe

Description

A Cloudyr Project Package

Details

This is a template package for the cloudyr project

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See Also

[start_transcription](#), [list_transcriptions](#), [get_transcription](#)

get_transcription

Get AWS Transcribe Job

Description

Retrieve a specific AWS Transcribe job

Usage

```
get_transcription(job, download = TRUE, ...)
```

Arguments

job	A character string specifying the name of a job, possibly returned by list_transcriptions .
download	A logical indicating whether to download the transcription(s).
...	Additional arguments passed to transcribeHTTP .

Value

A list.

See Also

[start_transcription](#), [list_transcriptions](#)

Examples

```
## Not run:
# start a transcription
## upload a file to S3
library("aws.s3")
put_object(file = "recording.mp3", bucket = "my-bucket", object = "recording.mp3")

## start trancription
start_transcription("first-example", "https://my-bucket.us-east-1.amazonaws.com/recording.mp3")

## wait
Sys.sleep(5)

## retrieve transcription
transcript <- get_transcription("first-example")
transcript$Transcriptions

## End(Not run)
```

list_transcriptions *List AWS Transcribe Jobs*

Description

List AWS Transcribe jobs, by status

Usage

```
list_transcriptions(status = c("COMPLETED", "IN_PROGRESS", "FAILED"),
  n = NULL, token = NULL, ...)
```

Arguments

status	A character string specifying the status of jobs to retrieve. Use get_transcription to retrieve a specific transcription.
n	Optionally, a numeric value indicating the maximum number of results to return (for pagination).
token	Optionally, a "NextToken" indicating the next result to retrieve (for pagination).
...	Additional arguments passed to transcribeHTTP .

Value

A list.

Examples

```
## Not run:
list_transcriptions("COMPLETED")

## End(Not run)
```

start_transcription *Start AWS Transcribe Job*

Description

Start an AWS Transcribe job

Usage

```
start_transcription(name, url, format = tools::file_ext(url),
  language = "en-US", hertz = NULL, ...)
```

Arguments

name	A character string specifying a unique name for the transcription job.
url	A character string specifying a URL for the media file to be transcribed.
format	A character string specifying the file format. One of: "mp3", "mp4", "wav", "flac".
language	A character string specifying a language code. Currently defaults to "en-US".
hertz	Optionally, a numeric value specifying sample rate in Hertz.
...	Additional arguments passed to transcribeHTTP .

Value

A list containing details of the job. The transcript can be retrieved with [get_transcription](#).

See Also

[get_transcription](#)

Examples

```
## Not run:
# start a transcription
## upload a file to S3
library("aws.s3")
put_object(file = "recording.mp3", bucket = "my-bucket", object = "recording.mp3")

## start transcription
start_transcription("first-example", "https://my-bucket.us-east-1.amazonaws.com/recording.mp3")

## End(Not run)
```

transcribeHTTP	<i>Execute AWS Transcribe API Request</i>
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Description

This is the workhorse function to execute calls to the Transcribe API.

Usage

```
transcribeHTTP(action, query = list(), body = NULL, version = "v1",  
  region = NULL, key = NULL, secret = NULL, session_token = NULL, ...)
```

Arguments

action	A character string specifying an API endpoint.
query	An optional named list containing query string parameters and their character values.
body	A request body
version	A character string specifying the API version.
region	A character string containing an AWS region. If missing, the default “us-east-1” is used.
key	A character string containing an AWS Access Key ID. The default is pulled from environment variable “AWS_ACCESS_KEY_ID”.
secret	A character string containing an AWS Secret Access Key. The default is pulled from environment variable “AWS_SECRET_ACCESS_KEY”.
session_token	Optionally, a character string containing an AWS temporary Session Token. If missing, defaults to value stored in environment variable “AWS_SESSION_TOKEN”.
...	Additional arguments passed to GET .

Details

This function constructs and signs an Polly API request and returns the results thereof, or relevant debugging information in the case of error.

Value

If successful, a named list. Otherwise, a data structure of class “aws-error” containing any error message(s) from AWS and information about the request attempt.

Author(s)

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