

Package ‘openai’

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Type Package

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Description An R wrapper of OpenAI API endpoints (see <https://platform.openai.com/docs/introduction> for details). This package covers Models, Completions, Chat, Edits, Images, Embeddings, Audio, Files, Fine-tunes, Moderations, and legacy Engines endpoints.

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<https://irudnyts.github.io/openai/>

BugReports <https://github.com/irudnyts/openai/issues>

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R topics documented:

cancel_fine_tune	2
create_chat_completion	4
create_completion	6
create_edit	8
create_embedding	9
create_fine_tune	10
create_image	12
create_image_edit	13
create_image_variation	15
create_moderation	16
create_transcription	17
create_translation	18
delete_file	19
delete_fine_tune_model	20
list_files	22
list_fine_tunes	23
list_fine_tune_events	24
list_models	25
retrieve_file	26
retrieve_file_content	27
retrieve_fine_tune	28
retrieve_model	29
upload_file	30
Index	32

cancel_fine_tune	<i>Cancel fine-tune</i>
------------------	-------------------------

Description

Cancel a running fine-tune job. See [this page](#) for details.

Usage

```
cancel_fine_tune(
  fine_tune_id,
  openai_api_key = Sys.getenv("OPENAI_API_KEY"),
  openai_organization = NULL
)
```

Arguments

`fine_tune_id` required; a length one character vector.

`openai_api_key` required; defaults to `Sys.getenv("OPENAI_API_KEY")` (i.e., the value is retrieved from the `.Renviron` file); a length one character vector. Specifies OpenAI API key.

`openai_organization` optional; defaults to `NULL`; a length one character vector. Specifies OpenAI organization.

Details

For arguments description please refer to the [official documentation](#).

Value

Returns a list, elements of which contains information about the cancelled fine-tune.

See Also

Other fine-tune functions: [create_fine_tune\(\)](#), [delete_fine_tune_model\(\)](#), [list_fine_tune_events\(\)](#), [list_fine_tunes\(\)](#), [retrieve_fine_tune\(\)](#)

Examples

```
## Not run:
training_file <- system.file(
  "extdata", "sport_prepared_train.jsonl", package = "openai"
)
validation_file <- system.file(
  "extdata", "sport_prepared_train.jsonl", package = "openai"
)

training_info <- upload_file(training_file, "fine-tune")
validation_info <- upload_file(validation_file, "fine-tune")

info <- create_fine_tune(
  training_file = training_info$id,
  validation_file = validation_info$id,
  model = "ada",
  compute_classification_metrics = TRUE,
  classification_positive_class = " baseball" # Mind space in front
)

id <- ifelse(
  length(info$data$id) > 1,
  info$data$id[length(info$data$id)],
  info$data$id
)

cancel_fine_tune(fine_tune_id = id)
```

```
## End(Not run)
```

```
create_chat_completion
```

Create chat completion

Description

Creates a completion for the chat message. See [this page](#) for details.

Usage

```
create_chat_completion(
  model,
  messages = NULL,
  temperature = 1,
  top_p = 1,
  n = 1,
  stream = FALSE,
  stop = NULL,
  max_tokens = NULL,
  presence_penalty = 0,
  frequency_penalty = 0,
  logit_bias = NULL,
  user = NULL,
  openai_api_key = Sys.getenv("OPENAI_API_KEY"),
  openai_organization = NULL
)
```

Arguments

model	required; a length one character vector.
messages	required; defaults to NULL; a list in the following format: <code>list(list("role" = "user", "content" = "H</code>
temperature	required; defaults to 1; a length one numeric vector with the value between 0 and 2.
top_p	required; defaults to 1; a length one numeric vector with the value between 0 and 1.
n	required; defaults to 1; a length one numeric vector with the integer value greater than 0.
stream	required; defaults to FALSE; a length one logical vector. Currently is not implemented.
stop	optional; defaults to NULL; a character vector of length between one and four.
max_tokens	required; defaults to (4096 - prompt tokens); a length one numeric vector with the integer value greater than 0.

presence_penalty	required; defaults to 0; a length one numeric vector with a value between -2 and 2.
frequency_penalty	required; defaults to 0; a length one numeric vector with a value between -2 and 2.
logit_bias	optional; defaults to NULL; a named list.
user	optional; defaults to NULL; a length one character vector.
openai_api_key	required; defaults to <code>Sys.getenv("OPENAI_API_KEY")</code> (i.e., the value is retrieved from the <code>.Renviron</code> file); a length one character vector. Specifies OpenAI API key.
openai_organization	optional; defaults to NULL; a length one character vector. Specifies OpenAI organization.

Details

For arguments description please refer to the [official documentation](#).

Value

Returns a list, elements of which contain chat completion(s) and supplementary information.

Examples

```
## Not run:
create_chat_completion(
  model = "gpt-3.5-turbo",
  messages = list(
    list(
      "role" = "system",
      "content" = "You are a helpful assistant."
    ),
    list(
      "role" = "user",
      "content" = "Who won the world series in 2020?"
    ),
    list(
      "role" = "assistant",
      "content" = "The Los Angeles Dodgers won the World Series in 2020."
    ),
    list(
      "role" = "user",
      "content" = "Where was it played?"
    )
  )
)

## End(Not run)
```

create_completion *Create completion*

Description

Creates a completion based on the provided prompt and parameters. See [this page](#) for details.

Usage

```
create_completion(  
  engine_id = deprecated(),  
  model,  
  prompt = "<|endoftext|>",  
  suffix = NULL,  
  max_tokens = 16,  
  temperature = 1,  
  top_p = 1,  
  n = 1,  
  stream = FALSE,  
  logprobs = NULL,  
  echo = FALSE,  
  stop = NULL,  
  presence_penalty = 0,  
  frequency_penalty = 0,  
  best_of = 1,  
  logit_bias = NULL,  
  user = NULL,  
  openai_api_key = Sys.getenv("OPENAI_API_KEY"),  
  openai_organization = NULL  
)
```

Arguments

engine_id	[Deprecated]
model	required; a length one character vector.
prompt	required; defaults to "< endoftext >"; an arbitrary length character vector.
suffix	optional; defaults to NULL; a length one character vector.
max_tokens	required; defaults to 16; a length one numeric vector with the integer value greater than 0.
temperature	required; defaults to 1; a length one numeric vector with the value between 0 and 2.
top_p	required; defaults to 1; a length one numeric vector with the value between 0 and 1.
n	required; defaults to 1; a length one numeric vector with the integer value greater than 0.

stream	required; defaults to FALSE; a length one logical vector. Currently is not implemented.
logprobs	optional; defaults to NULL; a length one numeric vector with the integer value between 0 and 5.
echo	required; defaults to FALSE; a length one logical vector.
stop	optional; defaults to NULL; a character vector of length between one and four.
presence_penalty	required; defaults to 0; a length one numeric vector with a value between -2 and 2.
frequency_penalty	required; defaults to 0; a length one numeric vector with a value between -2 and 2.
best_of	required; defaults to 1; a length one numeric vector with the integer value greater than 0.
logit_bias	optional; defaults to NULL; a named list.
user	optional; defaults to NULL; a length one character vector.
openai_api_key	required; defaults to Sys.getenv("OPENAI_API_KEY") (i.e., the value is retrieved from the .Renvirom file); a length one character vector. Specifies OpenAI API key.
openai_organization	optional; defaults to NULL; a length one character vector. Specifies OpenAI organization.

Details

For arguments description please refer to the [official documentation](#).

Value

Returns a list, elements of which contain completion(s) and supplementary information.

Examples

```
## Not run:
create_completion(
  model = "text-davinci-002",
  prompt = "Say this is a test",
  max_tokens = 5
)

logit_bias <- list(
  "11" = -100,
  "13" = -100
)
create_completion(
  model = "ada",
  prompt = "Generate a question and an answer",
  n = 4,
```

```

    best_of = 4,
    logit_bias = logit_bias
  )

  ## End(Not run)

```

 create_edit

Create edit

Description

Creates an edit based on the provided input, instruction, and parameters. See [this page](#) for details.

Usage

```

create_edit(
  engine_id = deprecated(),
  model,
  input = "\",
  instruction,
  temperature = 1,
  top_p = 1,
  openai_api_key = Sys.getenv("OPENAI_API_KEY"),
  openai_organization = NULL
)

```

Arguments

engine_id	[Deprecated]
model	required; a length one character vector.
input	required; defaults to "\""; a length one character vector.
instruction	required; a length one character vector.
temperature	required; defaults to 1; a length one numeric vector with the value between 0 and 2.
top_p	required; defaults to 1; a length one numeric vector with the value between 0 and 1.
openai_api_key	required; defaults to Sys.getenv("OPENAI_API_KEY") (i.e., the value is retrieved from the .Renviron file); a length one character vector. Specifies OpenAI API key.
openai_organization	optional; defaults to NULL; a length one character vector. Specifies OpenAI organization.

Details

For arguments description please refer to the [official documentation](#).

Value

Returns a list, elements of which contain edited version of prompt and supplementary information.

Examples

```
## Not run:
create_edit(
  model = "text-davinci-edit-001",
  input = "What day of the wek is it?",
  instruction = "Fix the spelling mistakes"
)

## End(Not run)
```

create_embedding	<i>Create embeddings</i>
------------------	--------------------------

Description

Creates an embedding vector that represents the provided input. See [this page](#) for details.

Usage

```
create_embedding(
  engine_id = deprecated(),
  model,
  input,
  user = NULL,
  openai_api_key = Sys.getenv("OPENAI_API_KEY"),
  openai_organization = NULL
)
```

Arguments

engine_id	[Deprecated]
model	required; a length one character vector.
input	required; an arbitrary length character vector.
user	optional; defaults to NULL; a length one character vector.
openai_api_key	required; defaults to Sys.getenv("OPENAI_API_KEY") (i.e., the value is retrieved from the .Renviron file); a length one character vector. Specifies OpenAI API key.
openai_organization	optional; defaults to NULL; a length one character vector. Specifies OpenAI organization.

Details

For arguments description please refer to the [official documentation](#).

Value

Returns a list, an element of which contains embedding vector(s) for a given input.

Examples

```
## Not run:
create_embedding(
  model = "text-embedding-ada-002",
  input = c(
    "Ah, it is so boring to write documentation",
    "But examples are really crucial"
  )
)
## End(Not run)
```

create_fine_tune	<i>Create fine-tune</i>
------------------	-------------------------

Description

Creates a job that fine-tunes a specified model based on a given dataset. See [this page](#) for details.

Usage

```
create_fine_tune(
  training_file,
  validation_file = NULL,
  model,
  n_epochs = 4,
  batch_size = NULL,
  learning_rate_multiplier = NULL,
  prompt_loss_weight = 0.1,
  compute_classification_metrics = FALSE,
  classification_n_classes = NULL,
  classification_positive_class = NULL,
  classification_betas = NULL,
  suffix = NULL,
  openai_api_key = Sys.getenv("OPENAI_API_KEY"),
  openai_organization = NULL
)
```

Arguments

training_file	required; a length one character vector.
validation_file	optional; defaults to NULL; a length one character vector.
model	required; a length one character vector.
n_epochs	required; defaults to 4; a length one numeric vector with the integer value greater than 0.
batch_size	optional; defaults to NULL; a length one numeric vector with the integer value greater than 0.
learning_rate_multiplier	optional; defaults to NULL; a length one numeric vector with the value greater than 0.
prompt_loss_weight	required; defaults to 0.1; a length one numeric vector.
compute_classification_metrics	required; defaults to FALSE; a length one logical vector.
classification_n_classes	optional; defaults to NULL; a length one numeric vector with the value greater than 0.
classification_positive_class	optional; defaults to NULL; a length one character vector.
classification_betas	optional; defaults to NULL; a list elements of which are numeric values greater than 0.
suffix	optional; defaults to NULL; a length one character vector.
openai_api_key	required; defaults to Sys.getenv("OPENAI_API_KEY") (i.e., the value is retrieved from the .Renviron file); a length one character vector. Specifies OpenAI API key.
openai_organization	optional; defaults to NULL; a length one character vector. Specifies OpenAI organization.

Details

For arguments description please refer to the [official documentation](#).

Value

Returns a list, elements of which contain information about the fine-tune.

See Also

Other fine-tune functions: [cancel_fine_tune\(\)](#), [delete_fine_tune_model\(\)](#), [list_fine_tune_events\(\)](#), [list_fine_tunes\(\)](#), [retrieve_fine_tune\(\)](#)

Examples

```
## Not run:
training_file <- system.file(
  "extdata", "sport_prepared_train.jsonl", package = "openai"
)
validation_file <- system.file(
  "extdata", "sport_prepared_train.jsonl", package = "openai"
)

training_info <- upload_file(training_file, "fine-tune")
validation_info <- upload_file(validation_file, "fine-tune")

info <- create_fine_tune(
  training_file = training_info$id,
  validation_file = validation_info$id,
  model = "ada",
  compute_classification_metrics = TRUE,
  classification_positive_class = " baseball" # Mind space in front
)

## End(Not run)
```

create_image

Create image

Description

Creates an image given a prompt. See [this page](#) for details.

Usage

```
create_image(
  prompt,
  n = 1,
  size = c("1024x1024", "256x256", "512x512"),
  response_format = c("url", "b64_json"),
  user = NULL,
  openai_api_key = Sys.getenv("OPENAI_API_KEY"),
  openai_organization = NULL
)
```

Arguments

prompt	required; a length one character vector.
n	required; defaults to 1; a length one numeric vector with the integer value greater than 0.
size	required; defaults to "1024x1024"; a length one character vector, one among "256x256", "512x512", and "1024x1024".

response_format required; defaults to "url"; a length one character vector, one among "url" and "b64_json".

user optional; defaults to NULL; a length one character vector.

openai_api_key required; defaults to Sys.getenv("OPENAI_API_KEY") (i.e., the value is retrieved from the .Renviron file); a length one character vector. Specifies OpenAI API key.

openai_organization optional; defaults to NULL; a length one character vector. Specifies OpenAI organization.

Details

For arguments description please refer to the [official documentation](#).

Value

Returns a list, an element of which contain either a link to the generated image or the generated image decoded in Base64.

See Also

Other image functions: [create_image_edit\(\)](#), [create_image_variation\(\)](#)

Examples

```
## Not run:
create_image("An astronaut riding a horse in a photorealistic style")

## End(Not run)
```

create_image_edit *Create image edit*

Description

Creates an edited or extended image given an original image and a prompt. See [this page](#) for details.

Usage

```
create_image_edit(
  image,
  mask,
  prompt,
  n = 1,
  size = c("1024x1024", "256x256", "512x512"),
  response_format = c("url", "b64_json"),
```

```

    user = NULL,
    openai_api_key = Sys.getenv("OPENAI_API_KEY"),
    openai_organization = NULL
  )

```

Arguments

image	required; a length one character vector.
mask	required; a length one character vector.
prompt	required; a length one character vector.
n	required; defaults to 1; a length one numeric vector with the integer value greater than 0.
size	required; defaults to "1024x1024"; a length one character vector, one among "256x256", "512x512", and "1024x1024".
response_format	required; defaults to "url"; a length one character vector, one among "url" and "b64_json".
user	optional; defaults to NULL; a length one character vector.
openai_api_key	required; defaults to Sys.getenv("OPENAI_API_KEY") (i.e., the value is retrieved from the .Renvirom file); a length one character vector. Specifies OpenAI API key.
openai_organization	optional; defaults to NULL; a length one character vector. Specifies OpenAI organization.

Details

For arguments description please refer to the [official documentation](#).

Value

Returns a list, an element of which contain either a link to the edited image or the edited image decoded in Base64.

See Also

Other image functions: [create_image_variation\(\)](#), [create_image\(\)](#)

Examples

```

## Not run:
image <- system.file("extdata", "astronaut.png", package = "openai")
mask <- system.file("extdata", "mask.png", package = "openai")
create_image_edit(
  image = image,
  mask = mask,
  prompt = "goat",
  n = 1,

```

```
    response_format = "url"
  )

  ## End(Not run)
```

```
create_image_variation
  Create image variation
```

Description

Creates a variation of a given image. See [this page](#) for details.

Usage

```
create_image_variation(
  image,
  n = 1,
  size = c("1024x1024", "256x256", "512x512"),
  response_format = c("url", "b64_json"),
  user = NULL,
  openai_api_key = Sys.getenv("OPENAI_API_KEY"),
  openai_organization = NULL
)
```

Arguments

image	required; a length one character vector.
n	required; defaults to 1; a length one numeric vector with the integer value greater than 0.
size	required; defaults to "1024x1024"; a length one character vector, one among "256x256", "512x512", and "1024x1024".
response_format	required; defaults to "url"; a length one character vector, one among "url" and "b64_json".
user	optional; defaults to NULL; a length one character vector.
openai_api_key	required; defaults to Sys.getenv("OPENAI_API_KEY") (i.e., the value is retrieved from the .Renviron file); a length one character vector. Specifies OpenAI API key.
openai_organization	optional; defaults to NULL; a length one character vector. Specifies OpenAI organization.

Details

For arguments description please refer to the [official documentation](#).

Value

Returns a list, an element of which contain either a link to the image variation or the image variation decoded in Base64.

See Also

Other image functions: [create_image_edit\(\)](#), [create_image\(\)](#)

Examples

```
## Not run:
image <- system.file("extdata", "astronaut.png", package = "openai")
create_image_variation(
  image = image,
  n = 1,
  size = "256x256",
  response_format = "url"
)

## End(Not run)
```

create_moderation	<i>Create moderation</i>
-------------------	--------------------------

Description

Classifies if text violates OpenAI's Content Policy. See [this page](#) for details.

Usage

```
create_moderation(
  input,
  model,
  openai_api_key = Sys.getenv("OPENAI_API_KEY"),
  openai_organization = NULL
)
```

Arguments

input	required; an arbitrary length character vector.
model	required; a length one character vector.
openai_api_key	required; defaults to Sys.getenv("OPENAI_API_KEY") (i.e., the value is retrieved from the .Renviron file); a length one character vector. Specifies OpenAI API key.
openai_organization	optional; defaults to NULL; a length one character vector. Specifies OpenAI organization.

Details

For arguments description please refer to the [official documentation](#).

Value

Returns a list, elements of which contain information about the model.

Examples

```
## Not run:
create_moderation(
  input = "I want to kill them all.",
  model = "text-moderation-stable"
)

## End(Not run)
```

create_transcription *Create transcription*

Description

Transcribes audio into the input language. See [this page](#) for details.

Usage

```
create_transcription(
  file,
  model,
  prompt = NULL,
  response_format = "json",
  temperature = 0,
  language = NULL,
  openai_api_key = Sys.getenv("OPENAI_API_KEY"),
  openai_organization = NULL
)
```

Arguments

file	required; a length one character vector.
model	required; a length one character vector.
prompt	optional; defaults to NULL; a length one character vector.
response_format	required; defaults to "json"; length one character vector equals to "json". Currently only "json" is implemented.
temperature	required; defaults to 1; a length one numeric vector with the value between 0 and 2.

language optional; defaults to NULL; a length one character vector.

openai_api_key required; defaults to `Sys.getenv("OPENAI_API_KEY")` (i.e., the value is retrieved from the `.Renviron` file); a length one character vector. Specifies OpenAI API key.

openai_organization optional; defaults to NULL; a length one character vector. Specifies OpenAI organization.

Details

For arguments description please refer to the [official documentation](#).

Value

Returns a list, elements of which contain a transcription and supplementary information.

See Also

Other audio functions: [create_translation\(\)](#)

Examples

```
## Not run:
voice_sample_en <- system.file(
  "extdata", "sample-en.m4a", package = "openai"
)
create_transcription(file = voice_sample_en, model = "whisper-1")

## End(Not run)
```

create_translation *Create translation*

Description

Translates audio into into English. See [this page](#) for details.

Usage

```
create_translation(
  file,
  model,
  prompt = NULL,
  response_format = "json",
  temperature = 0,
  openai_api_key = Sys.getenv("OPENAI_API_KEY"),
  openai_organization = NULL
)
```

Arguments

file	required; a length one character vector.
model	required; a length one character vector.
prompt	optional; defaults to NULL; a length one character vector.
response_format	required; defaults to "json"; length one character vector equals to "json". Currently only "json" is implemented.
temperature	required; defaults to 1; a length one numeric vector with the value between 0 and 2.
openai_api_key	required; defaults to Sys.getenv("OPENAI_API_KEY") (i.e., the value is retrieved from the .Renvi on file); a length one character vector. Specifies OpenAI API key.
openai_organization	optional; defaults to NULL; a length one character vector. Specifies OpenAI organization.

Details

For arguments description please refer to the [official documentation](#).

Value

Returns a list, elements of which contain a transcription and supplementary information.

See Also

Other audio functions: [create_transcription\(\)](#)

Examples

```
## Not run:
voice_sample_ua <- system.file(
  "extdata", "sample-ua.m4a", package = "openai"
)
create_translation(file = voice_sample_ua, model = "whisper-1")

## End(Not run)
```

delete_file

Delete file

Description

Deletes a file. See [this page](#) for details.

Usage

```
delete_file(  
  file_id,  
  openai_api_key = Sys.getenv("OPENAI_API_KEY"),  
  openai_organization = NULL  
)
```

Arguments

`file_id` required; a length one character vector.

`openai_api_key` required; defaults to `Sys.getenv("OPENAI_API_KEY")` (i.e., the value is retrieved from the `.Renviron` file); a length one character vector. Specifies OpenAI API key.

`openai_organization` optional; defaults to `NULL`; a length one character vector. Specifies OpenAI organization.

Details

For arguments description please refer to the [official documentation](#).

Value

Returns a list, elements of which contains ID of the deleted file and status whether the file is deleted.

See Also

Other file functions: [list_files\(\)](#), [retrieve_file_content\(\)](#), [retrieve_file\(\)](#), [upload_file\(\)](#)

Examples

```
## Not run:  
file <- system.file("extdata", "classification-file.jsonl", package = "openai")  
file_info <- upload_file(file = file, purpose = "classification")  
delete_file(file_info$id)  
  
## End(Not run)
```

```
delete_fine_tune_model
```

Delete fine_tune model

Description

Deletes a fine-tuned model. See [this page](#) for details.

Usage

```
delete_fine_tune_model(  
  model,  
  openai_api_key = Sys.getenv("OPENAI_API_KEY"),  
  openai_organization = NULL  
)
```

Arguments

`model` required; a length one character vector.

`openai_api_key` required; defaults to `Sys.getenv("OPENAI_API_KEY")` (i.e., the value is retrieved from the `.Renviron` file); a length one character vector. Specifies OpenAI API key.

`openai_organization` optional; defaults to `NULL`; a length one character vector. Specifies OpenAI organization.

Details

For arguments description please refer to the [official documentation](#).

Value

Returns a list, elements of which contains information about the deleted model.

See Also

Other fine-tune functions: [cancel_fine_tune\(\)](#), [create_fine_tune\(\)](#), [list_fine_tune_events\(\)](#), [list_fine_tunes\(\)](#), [retrieve_fine_tune\(\)](#)

Examples

```
## Not run:  
fine_tunes <- list_fine_tunes()  
  
fine_tunes <- fine_tunes$data  
  
id <- fine_tunes[!is.na(fine_tunes[, "fine_tuned_model"]), "fine_tuned_model"]  
  
delete_fine_tune_model(model = id[1])  
  
## End(Not run)
```

list_files	<i>List files</i>
------------	-------------------

Description

Lists files uploaded by user's organization. See [this page](#) for details.

Usage

```
list_files(  
  openai_api_key = Sys.getenv("OPENAI_API_KEY"),  
  openai_organization = NULL  
)
```

Arguments

`openai_api_key` required; defaults to `Sys.getenv("OPENAI_API_KEY")` (i.e., the value is retrieved from the `.Renviron` file); a length one character vector. Specifies OpenAI API key.

`openai_organization` optional; defaults to `NULL`; a length one character vector. Specifies OpenAI organization.

Details

For arguments description please refer to the [official documentation](#).

Value

Returns a list, an element of which is a data frame containing information about files.

See Also

Other file functions: [delete_file\(\)](#), [retrieve_file_content\(\)](#), [retrieve_file\(\)](#), [upload_file\(\)](#)

Examples

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

list_fine_tunes	<i>Lists fine-tunes</i>
-----------------	-------------------------

Description

Lists organization's fine-tuning jobs. See [this page](#) for details.

Usage

```
list_fine_tunes(  
  openai_api_key = Sys.getenv("OPENAI_API_KEY"),  
  openai_organization = NULL  
)
```

Arguments

`openai_api_key` required; defaults to `Sys.getenv("OPENAI_API_KEY")` (i.e., the value is retrieved from the `.Renv` file); a length one character vector. Specifies OpenAI API key.

`openai_organization` optional; defaults to `NULL`; a length one character vector. Specifies OpenAI organization.

Details

For arguments description please refer to the [official documentation](#).

Value

Returns a list, an element of which is a data frame containing information about fine-tunes.

See Also

Other fine-tune functions: [cancel_fine_tune\(\)](#), [create_fine_tune\(\)](#), [delete_fine_tune_model\(\)](#), [list_fine_tune_events\(\)](#), [retrieve_fine_tune\(\)](#)

Examples

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

list_fine_tune_events *List fine-tune events*

Description

Returns events related to a specified fine-tune job. See [this page](#) for details.

Usage

```
list_fine_tune_events(  
  fine_tune_id,  
  stream = FALSE,  
  openai_api_key = Sys.getenv("OPENAI_API_KEY"),  
  openai_organization = NULL  
)
```

Arguments

`fine_tune_id` required; a length one character vector.

`stream` required; defaults to FALSE; a length one logical vector. **Currently is not implemented.**

`openai_api_key` required; defaults to `Sys.getenv("OPENAI_API_KEY")` (i.e., the value is retrieved from the `.Renviron` file); a length one character vector. Specifies OpenAI API key.

`openai_organization` optional; defaults to NULL; a length one character vector. Specifies OpenAI organization.

Details

For arguments description please refer to the [official documentation](#).

Value

Returns a list, elements of which contains information about the fine-tune events.

See Also

Other fine-tune functions: [cancel_fine_tune\(\)](#), [create_fine_tune\(\)](#), [delete_fine_tune_model\(\)](#), [list_fine_tunes\(\)](#), [retrieve_fine_tune\(\)](#)

Examples

```
## Not run:  
training_file <- system.file(  
  "extdata", "sport_prepared_train.jsonl", package = "openai"  
)
```



```

validation_file <- system.file(
  "extdata", "sport_prepared_train.jsonl", package = "openai"
)

training_info <- upload_file(training_file, "fine-tune")
validation_info <- upload_file(validation_file, "fine-tune")

info <- create_fine_tune(
  training_file = training_info$id,
  validation_file = validation_info$id,
  model = "ada",
  compute_classification_metrics = TRUE,
  classification_positive_class = " baseball" # Mind space in front
)

id <- ifelse(
  length(info$data$id) > 1,
  info$data$id[length(info$data$id)],
  info$data$id
)

list_fine_tune_events(fine_tune_id = id)

## End(Not run)

```

list_models

List models

Description

Lists the currently available models, and provides basic information about each one such as the owner and availability. See [this page](#) for details.

Usage

```

list_models(
  openai_api_key = Sys.getenv("OPENAI_API_KEY"),
  openai_organization = NULL
)

```

Arguments

`openai_api_key` required; defaults to `Sys.getenv("OPENAI_API_KEY")` (i.e., the value is retrieved from the `.Renviron` file); a length one character vector. Specifies OpenAI API key.

`openai_organization` optional; defaults to `NULL`; a length one character vector. Specifies OpenAI organization.

Details

For arguments description please refer to the [official documentation](#).

Value

Returns a list, an element of which is a data frame containing information about models.

See Also

Other model functions: [retrieve_model\(\)](#)

Examples

```
## Not run:
list_models()

## End(Not run)
```

retrieve_file	<i>Retrieve file</i>
---------------	----------------------

Description

Provides information about a specific file. See [this page](#) for details.

Usage

```
retrieve_file(
  file_id,
  openai_api_key = Sys.getenv("OPENAI_API_KEY"),
  openai_organization = NULL
)
```

Arguments

`file_id` required; a length one character vector.

`openai_api_key` required; defaults to `Sys.getenv("OPENAI_API_KEY")` (i.e., the value is retrieved from the `.Renviron` file); a length one character vector. Specifies OpenAI API key.

`openai_organization` optional; defaults to `NULL`; a length one character vector. Specifies OpenAI organization.

Details

For arguments description please refer to the [official documentation](#).

Value

Returns a list, elements of which contains information about the file.

See Also

Other file functions: [delete_file\(\)](#), [list_files\(\)](#), [retrieve_file_content\(\)](#), [upload_file\(\)](#)

Examples

```
## Not run:
file <- system.file("extdata", "classification-file.jsonl", package = "openai")
file_info <- upload_file(file = file, purpose = "classification")
retrieve_file(file_info$id)

## End(Not run)
```

retrieve_file_content *Retrieve file content*

Description

Returns the content of the specified file. See [this page](#) for details. Please note that only output files are allowed to be downloaded, not the input ones.

Usage

```
retrieve_file_content(
  file_id,
  openai_api_key = Sys.getenv("OPENAI_API_KEY"),
  openai_organization = NULL
)
```

Arguments

`file_id` required; a length one character vector.

`openai_api_key` required; defaults to `Sys.getenv("OPENAI_API_KEY")` (i.e., the value is retrieved from the `.Renviron` file); a length one character vector. Specifies OpenAI API key.

`openai_organization` optional; defaults to `NULL`; a length one character vector. Specifies OpenAI organization.

Details

For arguments description please refer to the [official documentation](#).

Value

Returns a list, an element of which contains the content of the file.

See Also

Other file functions: [delete_file\(\)](#), [list_files\(\)](#), [retrieve_file\(\)](#), [upload_file\(\)](#)

retrieve_fine_tune	<i>Retrieve fine-tune</i>
--------------------	---------------------------

Description

Returns information about the specified fine-tune job. See [this page](#) for details.

Usage

```
retrieve_fine_tune(  
  fine_tune_id,  
  openai_api_key = Sys.getenv("OPENAI_API_KEY"),  
  openai_organization = NULL  
)
```

Arguments

`fine_tune_id` required; a length one character vector.

`openai_api_key` required; defaults to `Sys.getenv("OPENAI_API_KEY")` (i.e., the value is retrieved from the `.Renviron` file); a length one character vector. Specifies OpenAI API key.

`openai_organization` optional; defaults to `NULL`; a length one character vector. Specifies OpenAI organization.

Details

For arguments description please refer to the [official documentation](#).

Value

Returns a list, elements of which contains information about the fine-tune.

See Also

Other fine-tune functions: [cancel_fine_tune\(\)](#), [create_fine_tune\(\)](#), [delete_fine_tune_model\(\)](#), [list_fine_tune_events\(\)](#), [list_fine_tunes\(\)](#)

Examples

```
## Not run:
training_file <- system.file(
  "extdata", "sport_prepared_train.jsonl", package = "openai"
)
validation_file <- system.file(
  "extdata", "sport_prepared_train.jsonl", package = "openai"
)

training_info <- upload_file(training_file, "fine-tune")
validation_info <- upload_file(validation_file, "fine-tune")

info <- create_fine_tune(
  training_file = training_info$id,
  validation_file = validation_info$id,
  model = "ada",
  compute_classification_metrics = TRUE,
  classification_positive_class = " baseball" # Mind space in front
)

id <- ifelse(
  length(info$data$id) > 1,
  info$data$id[length(info$data$id)],
  info$data$id
)

retrieve_fine_tune(fine_tune_id = id)

## End(Not run)
```

retrieve_model

Retrieve model

Description

Retrieves a model instance, providing basic information about the model such as the owner and permissioning. See [this page](#) for details.

Usage

```
retrieve_model(
  model,
  openai_api_key = Sys.getenv("OPENAI_API_KEY"),
  openai_organization = NULL
)
```

Arguments

`model` required; a length one character vector.

`openai_api_key` required; defaults to `Sys.getenv("OPENAI_API_KEY")` (i.e., the value is retrieved from the `.Renviron` file); a length one character vector. Specifies OpenAI API key.

`openai_organization` optional; defaults to `NULL`; a length one character vector. Specifies OpenAI organization.

Details

For arguments description please refer to the [official documentation](#).

Value

Returns a list, elements of which contain information about the model.

See Also

Other model functions: [list_models\(\)](#)

Examples

```
## Not run:
retrieve_model("text-davinci-002")

## End(Not run)
```

upload_file

Upload file

Description

Uploads a file that will be used for various purposes. The size of the storage is limited to 1 Gb. See [this page](#) for details.

Usage

```
upload_file(
  file,
  purpose = c("search", "answers", "classifications", "fine-tune"),
  openai_api_key = Sys.getenv("OPENAI_API_KEY"),
  openai_organization = NULL
)
```

Arguments

file	required; a length one character vector.
purpose	required; defaults to "fine-tune"; a length one character vector equals to "fine-tune".
openai_api_key	required; defaults to Sys.getenv("OPENAI_API_KEY") (i.e., the value is retrieved from the .Renviron file); a length one character vector. Specifies OpenAI API key.
openai_organization	optional; defaults to NULL; a length one character vector. Specifies OpenAI organization.

Details

For arguments description please refer to the [official documentation](#).

Value

Returns a list, elements of which contains ID of the uploaded file and other supplementary information.

See Also

Other file functions: [delete_file\(\)](#), [list_files\(\)](#), [retrieve_file_content\(\)](#), [retrieve_file\(\)](#)

Examples

```
## Not run:  
file <- system.file("extdata", "classification-file.jsonl", package = "openai")  
upload_file(file = file, purpose = "classification")  
  
## End(Not run)
```

Index

* audio functions

create_transcription, 17
create_translation, 18

* file functions

delete_file, 19
list_files, 22
retrieve_file, 26
retrieve_file_content, 27
upload_file, 30

* fine-tune functions

cancel_fine_tune, 2
create_fine_tune, 10
delete_fine_tune_model, 20
list_fine_tune_events, 24
list_fine_tunes, 23
retrieve_fine_tune, 28

* image functions

create_image, 12
create_image_edit, 13
create_image_variation, 15

* model functions

list_models, 25
retrieve_model, 29

cancel_fine_tune, 2, 11, 21, 23, 24, 28
create_chat_completion, 4
create_completion, 6
create_edit, 8
create_embedding, 9
create_fine_tune, 3, 10, 21, 23, 24, 28
create_image, 12, 14, 16
create_image_edit, 13, 13, 16
create_image_variation, 13, 14, 15
create_moderation, 16
create_transcription, 17, 19
create_translation, 18, 18

delete_file, 19, 22, 27, 28, 31
delete_fine_tune_model, 3, 11, 20, 23, 24,
28

list_files, 20, 22, 27, 28, 31
list_fine_tune_events, 3, 11, 21, 23, 24, 28
list_fine_tunes, 3, 11, 21, 23, 24, 28
list_models, 25, 30

retrieve_file, 20, 22, 26, 28, 31
retrieve_file_content, 20, 22, 27, 27, 31
retrieve_fine_tune, 3, 11, 21, 23, 24, 28
retrieve_model, 26, 29

upload_file, 20, 22, 27, 28, 30