

Package ‘tuber’

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Title Client for the YouTube API

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Description Get comments posted on YouTube videos, information on how many times a video has been liked, search for videos with particular content, and much more. You can also scrape captions from a few videos. To learn more about the YouTube API, see <<https://developers.google.com/youtube/v3/>>.

URL <http://github.com/soodoku/tuber>

BugReports <http://github.com/soodoku/tuber/issues>

Depends R (>= 3.4.0)

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delete_captions	<i>Delete a Particular Caption Track</i>
-----------------	--

Description

Delete a Particular Caption Track

Usage

```
delete_captions(id = NULL, ...)
```

Arguments

id	String. Required. id of the caption track that is being retrieved
...	Additional arguments passed to <code>tuber_DELETE</code> .

References

<https://developers.google.com/youtube/v3/docs/captions/delete>

Examples

```
## Not run:  
  
# Set API token via yt_oauth() first  
  
delete_captions(id = "y3ElXcEME3lSISz6izkWVT5GvxjPu8pA")  
  
## End(Not run)
```

delete_channel_sections	<i>Delete Channel Sections</i>
-------------------------	--------------------------------

Description

Delete a Channel Section

Usage

```
delete_channel_sections(id = NULL, ...)
```

Arguments

id	Required. ID of the channel section.
...	Additional arguments passed to <code>tuber_DELETE</code> .

References

<https://developers.google.com/youtube/v3/docs/channelSections/delete>

Examples

```
## Not run:  
  
# Set API token via yt_oauth() first  
  
delete_channel_sections(c(channel_id = "UCRw8bIz2wMLmfgAgWm903cA"))  
  
## End(Not run)
```

delete_comments	<i>Delete a Particular Comment</i>
-----------------	------------------------------------

Description

Delete a Particular Comment

Usage

```
delete_comments(id = NULL, ...)
```

Arguments

id	String. Required. id of the comment being retrieved
...	Additional arguments passed to <code>tuber_DELETE</code> .

References

<https://developers.google.com/youtube/v3/docs/comments/delete>

Examples

```
## Not run:  
  
# Set API token via yt_oauth() first  
  
delete_comments(id = "y3E1XcEME3lSISz6izkWWT5GvxjPu8pA")  
  
## End(Not run)
```

delete_playlists *Delete a Playlist*

Description

Delete a Playlist

Usage

```
delete_playlists(id = NULL, ...)
```

Arguments

id String. Required. id of the playlist that is to be deleted
... Additional arguments passed to [tuber_DELETE](#).

References

<https://developers.google.com/youtube/v3/docs/playlists/delete>

Examples

```
## Not run:  
  
# Set API token via yt_oauth() first  
  
delete_playlists(id = "y3E1XcEME3lSISz6izkWVT5GvxjPu8pA")  
  
## End(Not run)
```

delete_playlist_items *Delete a Playlist Item*

Description

Delete a Playlist Item

Usage

```
delete_playlist_items(id = NULL, ...)
```

Arguments

id String. Required. id of the playlist item that is to be deleted
... Additional arguments passed to [tuber_DELETE](#).

References

<https://developers.google.com/youtube/v3/docs/playlistItems/delete>

Examples

```
## Not run:  
  
# Set API token via yt_oauth() first  
  
delete_playlist_items(id = "y3E1XcEME31SISz6izkWVT5GvxjPu8pA")  
  
## End(Not run)
```

delete_videos

Delete a Video

Description

Delete a Video

Usage

```
delete_videos(id = NULL, ...)
```

Arguments

id	String. Required. id of the video that is to be deleted
...	Additional arguments passed to <code>tuber_DELETE</code> .

References

<https://developers.google.com/youtube/v3/docs/playlistItems/delete>

Examples

```
## Not run:  
  
# Set API token via yt_oauth() first  
  
delete_videos(id = "y3E1XcEME31SISz6izkWVT5GvxjPu8pA")  
  
## End(Not run)
```

`get_all_channel_video_stats`*Get statistics on all the videos in a Channel*

Description

Get statistics on all the videos in a Channel

Usage

```
get_all_channel_video_stats(channel_id = NULL, mine = FALSE, ...)
```

Arguments

<code>channel_id</code>	Character. Id of the channel
<code>mine</code>	Boolean. TRUE if you want to fetch stats of your own channel. Default is FALSE.
<code>...</code>	Additional arguments passed to <code>tuber_GET</code> .

Value

nested named list with top element names: `kind`, `etag`, `id`, `snippet` (list of details of the channel including title), `statistics` (list of 5)

If the `channel_id` is mistyped or there is no information, an empty list is returned

References

<https://developers.google.com/youtube/v3/docs/channels/list>

Examples

```
## Not run:  
  
# Set API token via yt_oauth() first  
  
get_all_channel_video_stats(channel_id="UCx0hDvtaoXDAB336AolWs3A")  
get_all_channel_video_stats(channel_id="UCMtFAi84ehTSYSE9Xo") # Incorrect channel ID  
  
## End(Not run)
```

get_all_comments	<i>Get all the comments for a video including replies</i>
------------------	---

Description

Get all the comments for a video including replies

Usage

```
get_all_comments(video_id = NULL, ...)
```

Arguments

video_id	string; Required. video_id: video ID.
...	Additional arguments passed to tuber_GET .

Value

a data.frame with the following columns: authorDisplayName, authorProfileImageUrl, authorChannelUrl, authorChannelId.value, videoId, textDisplay, canRate, viewerRating, likeCount, publishedAt, updatedAt, id, moderationStatus, parentId

References

<https://developers.google.com/youtube/v3/docs/commentThreads/list>

Examples

```
## Not run:  
  
# Set API token via yt_oauth() first  
  
get_all_comments(video_id = "a-UQz7fqR3w")  
  
## End(Not run)
```

get_captions	<i>Get Particular Caption Track</i>
--------------	-------------------------------------

Description

For getting captions from the v3 API, you must specify the id resource. Check [list_caption_tracks](#) for more information.

Usage

```
get_captions(id = NULL, lang = "en", format = "sbv", as_raw = TRUE, ...)
```


Arguments

id	String. Required. id of the caption track that is being retrieved
lang	Optional. Default is en.
format	Optional. Default is sbv.
as_raw	If FALSE the captions be converted to a character string versus a raw vector
...	Additional arguments passed to tuber_GET .

Value

String.

References

<https://developers.google.com/youtube/v3/docs/captions/download>

Examples

```
## Not run:

# Set API token via yt_oauth() first

get_captions(id = "y3E1XcEME3lSISz6izkWVT5GvxjPu8pA")

## End(Not run)
```

get_channel_stats *Get statistics of a Channel*

Description

Get statistics of a Channel

Usage

```
get_channel_stats(channel_id = NULL, mine = NULL, ...)

list_my_channel(...)
```

Arguments

channel_id	Character. Id of the channel
mine	Boolean. TRUE if you want to fetch stats of your own channel. Default is NULL.
...	Additional arguments passed to tuber_GET .

Value

nested named list with top element names: kind, etag, id, snippet (list of details of the channel including title), statistics (list of 5)

If the channel_id is mistyped or there is no information, an empty list is returned

References

<https://developers.google.com/youtube/v3/docs/channels/list>

Examples

```
## Not run:

# Set API token via yt_oauth() first

get_channel_stats(channel_id="UCMtFAi84ehTSYSE9XoHefig")
get_channel_stats(channel_id="UCMtFAi84ehTSYSE9Xo") # Incorrect channel ID

## End(Not run)
```

get_comments

Get Comments

Description

Get Comments

Usage

```
get_comments(
  filter = NULL,
  part = "snippet",
  max_results = 100,
  text_format = "html",
  page_token = NULL,
  simplify = TRUE,
  ...
)
```

Arguments

filter	string; Required. named vector of length 1 potential names of the entry in the vector: comment_id: comment ID. parent_id: parent ID.
part	Comment resource requested. Required. Comma separated list of one or more of the following: id, snippet. e.g., "id, snippet", "id", etc. Default: snippet.
max_results	Maximum number of items that should be returned. Integer. Optional. Can be between 20 and 100. Default is 100.

text_format	Data Type: Character. Default is "html". Only takes "html" or "plainText". Optional.
page_token	Specific page in the result set that should be returned. Optional.
simplify	Data Type: Boolean. Default is TRUE. If TRUE, the function returns a data frame. Else a list with all the information returned.
...	Additional arguments passed to <code>tuber_GET</code> .

Value

Nested named list. The entry `items` is a list of comments along with meta information. Within each of the `items` is an `item snippet` which has an `item topLevelComment$snippet$textDisplay` that contains the actual comment.

When `filter` is `comment_id`, and `simplify` is `TRUE`, and there is a correct comment id, it returns a data frame with the following cols: `id`, `authorDisplayName`, `authorProfileImageUrl`, `authorChannelUrl`, `value`, `textDisplay`, `canRate`, `viewerRating`, `likeCount` `publishedAt`, `updatedAt`

References

<https://developers.google.com/youtube/v3/docs/comments/list>

Examples

```
## Not run:

# Set API token via yt_oauth() first

get_comments(filter = c(comment_id = "z13dh13j5rr0wbmq04cifrhtuypw14hsk"))
get_comments(filter = c(parent_id = "z13ds5yxjq3zzptyx04chlkbhx2yh3ezxtc0k"))
get_comments(filter =
c(comment_id = "z13dh13j5rr0wbmq04cifrhtuypw14hsk",
  z13dh13j5rr0wbmq04cifrhtuypw14hsk"))

## End(Not run)
```

get_comment_threads *Get Comments Threads*

Description

Get Comments Threads

Usage

```
get_comment_threads(
  filter = NULL,
  part = "snippet",
  text_format = "html",
```

```

    simplify = TRUE,
    max_results = 100,
    page_token = NULL,
    ...
  )

```

Arguments

filter	string; Required. named vector of length 1 potential names of the entry in the vector: video_id: video ID. channel_id: channel ID. thread_id: comma-separated list of comment thread IDs threads_related_to_channel: channel ID.
part	Comment resource requested. Required. Comma separated list of one or more of the following: id, snippet. e.g., "id, snippet", "id", etc. Default: snippet.
text_format	Data Type: Character. Default is "html". Only takes "html" or "plainText". Optional.
simplify	Data Type: Boolean. Default is TRUE. If TRUE, the function returns a data frame. Else a list with all the information returned.
max_results	Maximum number of items that should be returned. Integer. Optional. Default is 100. If the value is greater than 100 then the function fetches all the results. The outcome is a simplified data . frame.
page_token	Specific page in the result set that should be returned. Optional.
...	Additional arguments passed to tuber_GET .

Value

Nested named list. The entry items is a list of comments along with meta information. Within each of the items is an item snippet which has an item topLevelComment\$snippet\$textDisplay that contains the actual comment.

If simplify is TRUE, a data . frame with the following columns: authorDisplayName, authorProfileImageUrl, authorChannelUrl, authorChannelId.value, videoId, textDisplay, canRate, viewerRating, likeCount, publishedAt, updatedAt

References

<https://developers.google.com/youtube/v3/docs/commentThreads/list>

Examples

```

## Not run:

# Set API token via yt_oauth() first

get_comment_threads(filter = c(video_id = "N708P-A45D0"))
get_comment_threads(filter = c(video_id = "N708P-A45D0"), max_results = 101)

## End(Not run)

```

get_playlists

Get Playlists

Description

Get Playlists

Usage

```
get_playlists(
  filter = NULL,
  part = "snippet",
  max_results = 50,
  hl = NULL,
  page_token = NULL,
  simplify = TRUE,
  ...
)
```

Arguments

filter	string; Required. named vector of length 1 potential names of the entry in the vector: channel_id: ID of the channel playlist_id: YouTube playlist ID.
part	Required. One of the following: contentDetails, id, localizations, player, snippet, status. Default: contentDetails.
max_results	Maximum number of items that should be returned. Integer. Optional. Can be between 0 and 50. Default is 50.
hl	Language used for text values. Optional. Default is en-US. For other allowed language codes, see list_langs .
page_token	specific page in the result set that should be returned, optional
simplify	Data Type: Boolean. Default is TRUE. If TRUE and if part requested is contentDetails, the function returns a data.frame. Else a list with all the information returned.
...	Additional arguments passed to tuber_GET .

Value

playlists When simplify is TRUE, a data.frame with 4 columns is returned: kind, etag, id, contentDetails.itemCount

References

<https://developers.google.com/youtube/v3/docs/playlists/list>

Examples

```
## Not run:

# Set API token via yt_oauth() first

get_playlists(filter=c(channel_id="UCMtFAi84ehTSYSE9XoHefig"))
get_playlists(filter=c(channel_id="UCMtFAi84ehTSYSE9X")) # incorrect Channel ID

## End(Not run)
```

get_playlist_items *Get Playlist Items*

Description

Get Playlist Items

Usage

```
get_playlist_items(
  filter = NULL,
  part = "contentDetails",
  max_results = 50,
  video_id = NULL,
  page_token = NULL,
  simplify = TRUE,
  ...
)
```

Arguments

filter	string; Required. named vector of length 1 potential names of the entry in the vector: item_id: comma-separated list of one or more unique playlist item IDs. playlist_id: YouTube playlist ID.
part	Required. Comma separated string including one or more of the following: contentDetails, id, snippet, status. Default: contentDetails.
max_results	Maximum number of items that should be returned. Integer. Optional. Default is 50. If over 50, all the results are returned.
video_id	Optional. request should return only the playlist items that contain the specified video.
page_token	specific page in the result set that should be returned, optional
simplify	returns a data.frame rather than a list.
...	Additional arguments passed to tuber_GET .

Value

playlist items

References

<https://developers.google.com/youtube/v3/docs/playlists/list>

Examples

```
## Not run:

# Set API token via yt_oauth() first

get_playlist_items(filter =
                    c(playlist_id = "PLrEnWoR732-CN09YykVof2lxdI3MLOZda"))
get_playlist_items(filter =
                    c(playlist_id = "PL0f01XVeVW9QM03GoESky4yDgQfK2SsXN"),
                    max_results = 51)

## End(Not run)
```

get_related_videos	<i>Get Related Videos</i>
--------------------	---------------------------

Description

Takes a video id and returns related videos

Usage

```
get_related_videos(
  video_id = NULL,
  max_results = 50,
  safe_search = "none",
  ...
)
```

Arguments

video_id	Character. Required. No default.
max_results	Maximum number of items that should be returned. Integer. Optional. Can be between 0 and 50. Default is 50.
safe_search	Character. Optional. Takes one of three values: 'moderate', 'none' (default) or 'strict'
...	Additional arguments passed to <code>tuber_GET</code> .

Value

data.frame with 16 columns: video_id, rel_video_id, publishedAt, channelId, title, description, thumbnails.default.width, thumbnails.default.height, thumbnails.medium.url, thumbnails.medium.width, thumbnails.medium.height, thumbnails.high.url, thumbnails.high.width, thumbnails.high.height, channelTitle, liveBroadcastContent

References

<https://developers.google.com/youtube/v3/docs/search/list>

Examples

```
## Not run:  
  
# Set API token via yt_oauth() first  
  
get_related_videos(video_id = "yJTXN4xrI8")  
  
## End(Not run)
```

get_stats

Get statistics of a Video

Description

Get statistics of a Video

Usage

```
get_stats(video_id = NULL, ...)
```

Arguments

video_id Character. Id of the video. Required.
... Additional arguments passed to [tuber_GET](#).

Value

list with 6 elements: id, viewCount, likeCount, dislikeCount, favoriteCount, commentCount

References

<https://developers.google.com/youtube/v3/docs/videos/list#parameters>

Examples

```
## Not run:  
  
# Set API token via yt_oauth() first  
  
get_stats(video_id="N708P-A45D0")  
  
## End(Not run)
```

get_subscriptions *Get Subscriptions*

Description

Get Subscriptions

Usage

```
get_subscriptions(
  filter = NULL,
  part = "contentDetails",
  max_results = 50,
  for_channel_id = NULL,
  order = NULL,
  page_token = NULL,
  ...
)
```

Arguments

filter	string; Required. named vector of length 1 potential names of the entry in the vector: channel_id: ID of the channel. Required. No default. subscription_id: YouTube subscription ID
part	Part of the resource requested. Required. Character. A comma separated list of one or more of the following: contentDetails, id, snippet, subscriberSnippet. e.g. "id, snippet", "id", etc. Default: contentDetails.
max_results	Maximum number of items that should be returned. Integer. Optional. Can be between 0 and 50. Default is 50.
for_channel_id	Optional. String. A comma-separated list of channel IDs. Limits response to subscriptions matching those channels.
order	method that will be used to sort resources in the API response. Takes one of the following: alphabetical, relevance, unread
page_token	Specific page in the result set that should be returned. Optional. String.
...	Additional arguments passed to <code>tuber_GET</code> .

Value

named list of subscriptions

References

<https://developers.google.com/youtube/v3/docs/subscriptions/list>

Examples

```
## Not run:

# Set API token via yt_oauth() first

get_subscriptions(filter = c(channel_id = "UChJTbr5kf3hYazJZ0-euHg"))

## End(Not run)
```

get_video_details *Get Details of a Video or Videos*

Description

Get details such as when the video was published, the title, description, thumbnails, category etc.

Usage

```
get_video_details(video_id = NULL, part = "snippet", ...)
```

Arguments

video_id	Comma separated list of IDs of the videos for which details are requested. Required.
part	Comma-separated list of video resource properties requested. Options include: contentDetails, fileDetails, id, liveStreamingDetails, localizations, player, processingDetails, recordingDetails, snippet, statistics, status, suggestions, topicDetails
...	Additional arguments passed to <code>tuber_GET</code> .

Value

list. If part is snippet, the list will have the following elements: id (video id that was passed), publishedAt, channelId, title, description, thumbnails, channelTitle, categoryId, liveBroadcastContent, localized, defaultAudioLanguage

References

<https://developers.google.com/youtube/v3/docs/videos/list>

Examples

```
## Not run:

# Set API token via yt_oauth() first

get_video_details(video_id = "yJXTXN4xrI8")
get_video_details(video_id = "yJXTXN4xrI8", part = "contentDetails")
```

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

```
list_abuse_report_reasons
```

List reasons that can be used to report abusive videos

Description

List reasons that can be used to report abusive videos

Usage

```
list_abuse_report_reasons(part = "id, snippet", hl = "en-US", ...)
```

Arguments

part	Caption resource requested. Required. Comma separated list of one or more of the following: id, snippet. e.g., "id, snippet", "id", etc. Default: snippet.
hl	Language used for text values. Optional. Default is en-US. For other allowed language codes, see list_langs .
...	Additional arguments passed to tuber_GET .

Value

If no results, empty data.frame returned If part requested = "id, snippet" or "snippet", data.frame with 4 columns: etag, id, label, secReasons If part requested = "id", data.frame with 2 columns: etag, id

References

<https://developers.google.com/youtube/v3/docs/videoAbuseReportReasons/list>

Examples

```
## Not run:  
  
# Set API token via yt_oauth() first  
  
list_abuse_report_reasons()  
list_abuse_report_reasons(part="id")  
list_abuse_report_reasons(part="snippet")  
  
## End(Not run)
```

list_captions	<i>Upload Video to Youtube</i>
---------------	--------------------------------

Description

Upload Video to Youtube

Usage

```
list_captions(video_id, query = NULL, ...)
```

Arguments

video_id	ID of the YouTube video
query	Fields for 'query' in 'GET'
...	Additional arguments to send to tuber_GET and therefore GET

Value

A list of the response object from the GET and content about captions

Examples

```
## Not run:  
video_id <- "M7FIvfX5J10"  
list_captions(video_id)  
  
## End(Not run)
```

list_caption_tracks	<i>List Captions of a Video</i>
---------------------	---------------------------------

Description

List Captions of a Video

Usage

```
list_caption_tracks(  
  part = "snippet",  
  video_id = NULL,  
  lang = "en",  
  id = NULL,  
  simplify = TRUE,  
  ...  
)
```

Arguments

part	Caption resource requested. Required. Comma separated list of one or more of the following: id, snippet. e.g., "id, snippet", "id" Default: snippet.
video_id	ID of the video whose captions are requested. Required. No default.
lang	Language of the caption; required; default is English ("en")
id	comma-separated list of IDs that identify the caption resources that should be retrieved; optional; string
simplify	Boolean. Default is TRUE. When TRUE, and part is snippet, a data.frame is returned
...	Additional arguments passed to <code>tuber_GET</code> .

Value

list of caption tracks. When `simplify` is TRUE, a data.frame is returned with following columns: `videoId`, `lastUpdated`, `trackKind`, `language`, `name`, `audioTrackType`, `isCC`, `isLarge`, `isEasyReader`, `isDraft`, `isAutoSynced`, `status`, `id` (caption id)

References

<https://developers.google.com/youtube/v3/docs/captions/list>

Examples

```
## Not run:

# Set API token via yt_oauth() first

list_caption_tracks(video_id = "yJTXN4xrI8")

## End(Not run)
```

```
list_channel_activities
```

List Channel Activity

Description

Returns a list of channel events that match the request criteria.

Usage

```
list_channel_activities(
  filter = NULL,
  part = "snippet",
  max_results = 50,
  page_token = NULL,
```

```

    published_after = NULL,
    published_before = NULL,
    region_code = NULL,
    simplify = TRUE,
    ...
)

```

Arguments

filter	string; Required. named vector of length 1 potential names of the entry in the vector: channel_id: ID of the channel. Required. No default.
part	specify which part do you want. It can only be one of the three: contentDetails, id, snippet. Default is snippet.
max_results	Maximum number of items that should be returned. Integer. Optional. Can be between 0 and 50. Default is 50.
page_token	specific page in the result set that should be returned, optional
published_after	Character. Optional. RFC 339 Format. For instance, "1970-01-01T00:00:00Z"
published_before	Character. Optional. RFC 339 Format. For instance, "1970-01-01T00:00:00Z"
region_code	ISO 3166-1 alpha-2 country code, optional, see also list_regions
simplify	Data Type: Boolean. Default is TRUE. If TRUE and if part requested is contentDetails, the function returns a data.frame. Else a list with all the information returned.
...	Additional arguments passed to tuber_GET .

Value

named list If simplify is TRUE, a data.frame is returned with 18 columns: publishedAt, channelId, title, description, thumbnails.default.url, thumbnails.default.width, thumbnails.default.height, thumbnails.medium.width, thumbnails.medium.height, thumbnails.high.url, thumbnails.high.width, thumbnails.standard.url, thumbnails.standard.width, thumbnails.standard.height, channelTitle, type

References

<https://developers.google.com/youtube/v3/docs/activities/list>

Examples

```

## Not run:

# Set API token via yt_oauth() first

list_channel_activities(filter = c(channel_id = "UCRw8bIz2wMLmfgAgWm903cA"))
list_channel_activities(filter = c(channel_id = "UCRw8bIz2wMLmfgAgWm903cA", regionCode="US"))
list_channel_activities(filter = c(channel_id = "UCMtFAi84ehTSYSE9XoHefig"),
                        published_before = "2016-02-10T00:00:00Z",
                        published_after = "2016-01-01T00:00:00Z")

```

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

```
list_channel_resources
```

Returns List of Requested Channel Resources

Description

Returns List of Requested Channel Resources

Usage

```
list_channel_resources(
  filter = NULL,
  part = "contentDetails",
  max_results = 50,
  page_token = NULL,
  hl = "en-US",
  ...
)
```

Arguments

filter	string; Required. named vector of length 1 potential names of the entry in the vector: category_id: YouTube guide category that returns channels associated with that category username: YouTube username that returns channel associated with that username. channel_id: a comma-separated list of the YouTube channel ID(s) for the resource(s) that are being retrieved
part	a comma separated list of channel resource properties that response will include string. Required. One of the following: auditDetails, brandingSettings, contentDetails, contentOwnerDetails, id, invideoPromotion, localizations, snippet, statistics, status, topicDetails. Default is contentDetails.
max_results	Maximum number of items that should be returned. Integer. Optional. Can be between 0 and 50. Default is 50.
page_token	specific page in the result set that should be returned, optional
hl	Language used for text values. Optional. Default is en-US. For other allowed language codes, see list_langs .
...	Additional arguments passed to tuber_GET .

Value

list

References

<https://developers.google.com/youtube/v3/docs/channels/list>

Examples

```
## Not run:

# Set API token via yt_oauth() first

list_channel_resources(filter = c(channel_id = "UCT5Cx1l4IS3wHkJXNyuj4TA"))
list_channel_resources(filter = c(username = "latenight"), part = "id, contentDetails")
list_channel_resources(filter = c(username = "latenight"), part = "id, contentDetails",
max_results = 10)

## End(Not run)
```

list_channel_sections *List Channel Sections*

Description

Returns list of channel sections that channel id belongs to.

Usage

```
list_channel_sections(filter = NULL, part = "snippet", hl = NULL, ...)
```

Arguments

filter	string; Required. named vector of length 1 potential names of the entry in the vector: channel_id: Channel ID id: Section ID
part	specify which part do you want. It can only be one of the following: contentDetails, id, localizations, snippet, targeting. Default is snippet.
hl	language that will be used for text values, optional, default is en-US. See also list_langs
...	Additional arguments passed to tuber_GET .

Value

captions for the video from one of the first track

References

<https://developers.google.com/youtube/v3/docs/activities/list>

Examples

```
## Not run:  
  
# Set API token via yt_oauth() first  
  
list_channel_sections(c(channel_id = "UCRw8bIz2wMLmfgAgWm903cA"))  
  
## End(Not run)
```

list_channel_videos *Returns List of Requested Channel Videos*

Description

Iterate through the `max_results` number of playlists in channel and get the videos for each of the playlists.

Usage

```
list_channel_videos(  
  channel_id = NULL,  
  max_results = 50,  
  page_token = NULL,  
  hl = "en-US",  
  ...  
)
```

Arguments

<code>channel_id</code>	String. ID of the channel. Required.
<code>max_results</code>	Maximum number of videos returned. Integer. Default is 50. If the number is over 50, all the videos will be returned.
<code>page_token</code>	Specific page in the result set that should be returned. Optional.
<code>hl</code>	Language used for text values. Optional. Default is en-US. For other allowed language codes, see list_langs
<code>...</code>	Additional arguments passed to tuber_GET .

Value

list of `data.frame` with each list corresponding to a different playlist

References

<https://developers.google.com/youtube/v3/docs/channels/list>

Examples

```
## Not run:

# Set API token via yt_oauth() first

list_channel_videos(channel_id = "UCX0KEdfOFxsHO_-Su3K8SHg")
list_channel_videos(channel_id = "UCX0KEdfOFxsHO_-Su3K8SHg", max_results = 10)

## End(Not run)
```

list_guidecats	<i>Get list of categories that can be associated with YouTube channels</i>
----------------	--

Description

Get list of categories that can be associated with YouTube channels

Usage

```
list_guidecats(filter = NULL, hl = NULL, ...)
```

Arguments

filter	string; Required. named vector of length 1 potential names of the entry in the vector: region_code: Character. Required. Has to be a ISO 3166-1 alpha-2 code (see https://www.iso.org/obp/ui/#search) category_id: YouTube channel category ID
hl	Language used for text values. Optional. Default is en-US. For other allowed language codes, see list_langs .
...	Additional arguments passed to tuber_GET .

Value

data.frame with 5 columns: region_code, channelId, title, etag, id

References

<https://developers.google.com/youtube/v3/docs/guideCategories/list>

Examples

```
## Not run:

# Set API token via yt_oauth() first

list_guidecats(c(region_code = "JP"))

## End(Not run)
```

list_langs	<i>List Languages That YouTube Currently Supports</i>
------------	---

Description

List Languages That YouTube Currently Supports

Usage

```
list_langs(hl = NULL, ...)
```

Arguments

hl	Language used for text values. Optional. Default is en-US. For other allowed language codes, see list_langs .
...	Additional arguments passed to tuber_GET .

Value

data.frame with 3 columns: hl (two letter abbreviation), name (of the language), etag

References

<https://developers.google.com/youtube/v3/docs/i18nLanguages/list>

Examples

```
## Not run:  
  
# Set API token via yt_oauth() first  
  
list_langs()  
  
## End(Not run)
```

list_my_videos	<i>List My videos</i>
----------------	-----------------------

Description

List My videos

Usage

```
list_my_videos(...)
```

Arguments

... additional arguments to pass to [list_channel_videos](#)

Value

data.frame with each list corresponding to a different playlist

Examples

```
## Not run:
  list_my_videos()

## End(Not run)
```

list_regions	<i>List Content Regions That YouTube Currently Supports</i>
--------------	---

Description

List Content Regions That YouTube Currently Supports

Usage

```
list_regions(hl = NULL, ...)
```

Arguments

hl Language used for text values. Optional. Default is en-US. For other allowed language codes, see [list_langs](#).

... Additional arguments passed to [tuber_GET](#).

Value

data.frame with 3 columns: gl (two letter abbreviation), name (of the region), etag

References

<https://developers.google.com/youtube/v3/docs/i18nRegions/list>

Examples

```
## Not run:

# Set API token via yt_oauth() first

list_regions()

## End(Not run)
```

list_videocats	<i>List of Categories That Can be Associated with Videos</i>
----------------	--

Description

List of Categories That Can be Associated with Videos

Usage

```
list_videocats(filter = NULL, ...)
```

Arguments

filter	string; Required. named vector of length 1 potential names of the entry in the vector: region_code: Character. Required. Has to be a ISO 3166-1 alpha-2 code (see https://www.iso.org/obp/ui/#search) category_id: video category ID
...	Additional arguments passed to <code>tuber_GET</code> .

Value

data.frame with 6 columns: region_code, channelId, title, assignable, etag, id

References

<https://developers.google.com/youtube/v3/docs/videoCategories/list>

Examples

```
## Not run:  
  
# Set API token via yt_oauth() first  
  
list_videocats(c(region_code = "JP"))  
list_videocats() # Will throw an error asking for a valid filter with valid region_code  
  
## End(Not run)
```

list_videos

*List (Most Popular) Videos***Description**

List (Most Popular) Videos

Usage

```
list_videos(
  part = "contentDetails",
  max_results = 50,
  page_token = NULL,
  hl = NULL,
  region_code = NULL,
  video_category_id = NULL,
  ...
)
```

Arguments

part	Required. Comma separated string including one or more of the following: contentDetails, fileDetails, id, liveStreamingDetails, localizations, player, processingDetails, recordingDetails, snippet, statistics, status, suggestions, topicDetails. Default: contentDetails.
max_results	Maximum number of items that should be returned. Integer. Optional. Can be between 0 and 50. Default is 50.
page_token	specific page in the result set that should be returned, optional
hl	Language used for text values. Optional. Default is en-US. For other allowed language codes, see list_langs .
region_code	Character. Required. Has to be a ISO 3166-1 alpha-2 code (see https://www.iso.org/obp/ui/#search).
video_category_id	the video category for which the chart should be retrieved. See also list_videocats .
...	Additional arguments passed to tuber_GET .

Value

data.frame with 5 columns: channelId, title, assignable, etag, id

References<https://developers.google.com/youtube/v3/docs/search/list>

Examples

```
## Not run:

# Set API token via yt_oauth() first

list_videos()

## End(Not run)
```

read_sbv	<i>Read SBV file</i>
----------	----------------------

Description

Read SBV file

Usage

```
read_sbv(file)
```

Arguments

file The file name of the sbv file

Value

A data.frame with start/stop times and the text

Examples

```
if (yt_authorized()){
  vids <- list_my_videos()
  res <- list_caption_tracks(video_id = vids$contentDetails.videoId[1])
  cap <- get_captions(id = res$id, as_raw = FALSE)
  tfile <- tempfile(fileext = ".sbv")
  writeLines(cap, tfile)
  x <- read_sbv(tfile)
  if (requireNamespace("hms", quietly = TRUE)) {
    x$start <- hms::as_hms(x$start)
    x$stop <- hms::as_hms(x$stop)
  }
}
```

tuber	tuber provides access to the YouTube API V3.
-------	---

Description

tuber provides access to the YouTube API V3 via RESTful calls.

tuber_check	<i>Request Response Verification</i>
-------------	--------------------------------------

Description

Request Response Verification

Usage

tuber_check(req)

Arguments

req	request
-----	---------

Value

in case of failure, a message

tuber_DELETE	<i>DELETE</i>
--------------	---------------

Description

DELETE

Usage

tuber_DELETE(path, query, ...)

Arguments

path	path to specific API request URL
query	query list
...	Additional arguments passed to GET .

Value

list

tuber_GET

GET

Description

GET

Usage

tuber_GET(path, query, ...)

Arguments

path	path to specific API request URL
query	query list
...	Additional arguments passed to GET .

Value

list

tuber_POST

POST

Description

POST

Usage

tuber_POST(path, query, body = "", ...)

Arguments

path	path to specific API request URL
query	query list
body	passing image through body
...	Additional arguments passed to GET .

Value

list

upload_caption	<i>Upload Video Caption to Youtube</i>
----------------	--

Description

Upload Video Caption to Youtube

Usage

```
upload_caption(
  file,
  video_id,
  language = "en-US",
  caption_name,
  is_draft = FALSE,
  query = NULL,
  open_url = FALSE,
  ...
)
```

Arguments

file	Filename of the caption, probably '.srt'
video_id	YouTube Video ID. Try list_my_videos for examples.
language	character string of 'BCP47' language type. See http://www.rfc-editor.org/rfc/bcp/bcp47.txt for language specification
caption_name	character vector of the name for the caption.
is_draft	logical indicating whether the caption track is a draft.
query	Fields for 'query' in 'POST'
open_url	Should the video be opened using browseURL
...	Additional arguments to send to POST

Value

A list of the response object from the POST, content, and the URL of the video

Note

See <https://developers.google.com/youtube/v3/docs/captions#resource> for full specification

Examples

```

## Not run:
xx = list_my_videos()
video_id = xx$contentDetails.videoId[1]
video_id = as.character(video_id)
language = "en-US"

## End(Not run)

```

upload_video	<i>Upload Video to Youtube</i>
--------------	--------------------------------

Description

Upload Video to Youtube

Usage

```

upload_video(
  file,
  snippet = NULL,
  status = list(privacyStatus = "public"),
  query = NULL,
  open_url = FALSE,
  ...
)

```

Arguments

file	Filename of the video locally
snippet	Additional fields for the video, including ‘description’ and ‘title’. See https://developers.google.com/youtube/v3/docs/videos#resource for other fields. Coerced to a JSON object
status	Additional fields to be put into the status input. options for ‘status’ are ‘license’ (which should hold: ‘creativeCommon’, or ‘youtube’), ‘privacyStatus’, ‘publicStatsViewable’, ‘publishAt’.
query	Fields for ‘query’ in ‘POST’
open_url	Should the video be opened using browseURL
...	Additional arguments to send to tuber_POST and therefore POST

Value

A list of the response object from the POST, content, and the URL of the uploaded

Note

The information for 'status' and 'snippet' are at <https://developers.google.com/youtube/v3/docs/videos#resource> but the subset of these fields to pass in are located at: <https://developers.google.com/youtube/v3/docs/videos/insert> The 'part' parameter serves two purposes in this operation. It identifies the properties that the write operation will set, this will be automatically detected by the names of 'body'. See <https://developers.google.com/youtube/v3/docs/videos/insert#usage>

Examples

```
snippet = list(
  title = "Test Video",
  description = "This is just a random test.",
  tags = c("r language", "r programming", "data analysis")
)
status = list(privacyStatus = "private")
```

yt_oauth

*Set up Authorization***Description**

The function looks for `.httr-oauth` in the working directory. If it doesn't find it, it expects an application ID and a secret. If you want to remove the existing `.httr-oauth`, set `remove_old_oauth` to `TRUE`. By default, it is set to `FALSE`. The function launches a browser to allow you to authorize the application

Usage

```
yt_oauth(
  app_id = NULL,
  app_secret = NULL,
  scope = "ssl",
  token = ".httr-oauth",
  ...
)
```

Arguments

app_id	client id; required; no default
app_secret	client secret; required; no default
scope	Character. <code>ssl</code> , <code>basic</code> , <code>own_account_readonly</code> , <code>upload_and_manage_own_videos</code> , <code>partner</code> , and <code>partner_audit</code> . Required. <code>ssl</code> and <code>basic</code> are basically interchangeable. Default is <code>ssl</code> .
token	path to file containing the token. If a path is given, the function will first try to read from it. Default is <code>.httr-oauth</code> in the local directory. So if there is such a file, the function will first try to read from it.
...	Additional arguments passed to <code>oauth2.0_token</code>

Value

sets the `google_token` option and also saves `.httr_oauth` in the working directory (find out the working directory via `getwd()`)

References

<https://developers.google.com/youtube/v3/docs/>

<https://developers.google.com/youtube/v3/guides/auth/client-side-web-apps> for different scopes

Examples

```
## Not run:
yt_oauth("998136489867-5t3tq1g7hbovoj46dreqd6k5kd35ctjn.apps.googleusercontent.com",
         "Mb0St6cQhhFkwETXKur-L9rN")

## End(Not run)
```

`yt_search`*Search YouTube*

Description

Search for videos, channels and playlists. (By default, the function searches for videos.)

Usage

```
yt_search(
  term = NULL,
  max_results = 50,
  channel_id = NULL,
  channel_type = NULL,
  type = "video",
  event_type = NULL,
  location = NULL,
  location_radius = NULL,
  published_after = NULL,
  published_before = NULL,
  video_definition = "any",
  video_caption = "any",
  video_license = "any",
  video_syndicated = "any",
  video_type = "any",
  simplify = TRUE,
  get_all = TRUE,
  page_token = NULL,
  ...
)
```

Arguments

term	Character. Search term; required; no default For using Boolean operators, see the API documentation. Here's some of the relevant information: "Your request can also use the Boolean NOT (-) and OR (!) operators to exclude videos or to find videos that are associated with one of several search terms. For example, to search for videos matching either "boating" or "sailing", set the q parameter value to boating sailing. Similarly, to search for videos matching either "boating" or "sailing" but not "fishing", set the q parameter value to boating sailing-fishing"
max_results	Maximum number of items that should be returned. Integer. Optional. Can be between 0 and 50. Default is 50. Search results are constrained to a maximum of 500 videos if type is video and we have a value of channel_id.
channel_id	Character. Only return search results from this channel; Optional.
channel_type	Character. Optional. Takes one of two values: 'any', 'show'. Default is 'any'
type	Character. Optional. Takes one of three values: 'video', 'channel', 'playlist'. Default is 'video'.
event_type	Character. Optional. Takes one of three values: 'completed', 'live', 'upcoming'
location	Character. Optional. Latitude and Longitude within parentheses, e.g. "(37.42307,-122.08427)"
location_radius	Character. Optional. e.g. "1500m", "5km", "10000ft", "0.75mi"
published_after	Character. Optional. RFC 339 Format. For instance, "1970-01-01T00:00:00Z"
published_before	Character. Optional. RFC 339 Format. For instance, "1970-01-01T00:00:00Z"
video_definition	Character. Optional. Takes one of three values: 'any' (return all videos; Default), 'high', 'standard'
video_caption	Character. Optional. Takes one of three values: 'any' (return all videos; Default), 'closedCaption', 'none'. Type must be set to video.
video_license	Character. Optional. Takes one of three values: 'any' (return all videos; Default), 'creativeCommon' (return videos with Creative Commons license), 'youtube' (return videos with standard YouTube license).
video_syndicated	Character. Optional. Takes one of two values: 'any' (return all videos; Default), 'true' (return only syndicated videos)
video_type	Character. Optional. Takes one of three values: 'any' (return all videos; Default), 'episode' (return episode of shows), 'movie' (return movies)
simplify	Boolean. Return a data.frame if TRUE. Default is TRUE. If TRUE, it returns a list that carries additional information.
get_all	get all results, iterating through all the results pages. Default is TRUE. Result is a data.frame. Optional.
page_token	specific page in the result set that should be returned, optional
...	Additional arguments passed to tuber_GET .

Value

data.frame with 16 elements: video_id, publishedAt, channelId, title, description, thumbnails.default.url, thumbnails.default.width, thumbnails.default.height, thumbnails.medium.url, thumbnails.medium.width, thumbnails.medium.height, thumbnails.high.url, thumbnails.high.width, thumbnails.high.height, channelTitle, liveBroadcastContent

References

<https://developers.google.com/youtube/v3/docs/search/list>

Examples

```
## Not run:

# Set API token via yt_oauth() first

yt_search(term = "Barack Obama")
yt_search(term = "Barack Obama", published_after = "2016-10-01T00:00:00Z")
yt_search(term = "Barack Obama", published_before = "2016-09-01T00:00:00Z")
yt_search(term = "Barack Obama", published_before = "2016-03-01T00:00:00Z",
          published_after = "2016-02-01T00:00:00Z")
yt_search(term = "Barack Obama", published_before = "2016-02-10T00:00:00Z",
          published_after = "2016-01-01T00:00:00Z")

## End(Not run)
```

yt_token

Check if authentication token is in options

Description

Check if authentication token is in options

Usage

```
yt_token()
```

```
yt_authorized()
```

```
yt_check_token()
```

Value

A Token2.0 class

yt_topic_search	<i>Search YouTube by Topic It uses the Freebase list of topics</i>
-----------------	--

Description

Search YouTube by Topic It uses the Freebase list of topics

Usage

```
yt_topic_search(topic = NULL, ...)
```

Arguments

topic	topic being searched for; required; no default
...	Additional arguments passed to tuber_GET .

Value

a list

Examples

```
## Not run:  
  
# Set API token via yt_oauth() first  
  
yt_topic_search(topic = "Barack Obama")  
  
## End(Not run)
```


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