Package ‘tubern’

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Title R Client for the YouTube Analytics and Reporting API
Version 0.1.0
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Description Get statistics and reports from YouTube. To learn more about the YouTube Analytics and Reporting API, see <https://developers.google.com/youtube/reporting/>.
URL http://github.com/soodoku/tubern
BugReports http://github.com/soodoku/tubern/issues
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add_groups

Add Groups

Description
Add Groups

Usage
add_groups(resource_details, ...)

Arguments
resource_details
Named nested list. Required. Must provide: etag, snippet title and contentDetails itemType

Additional arguments passed to tubern_POST.

Value
named list

References
https://developers.google.com/youtube/analytics/v1/reference/groups/insert

Examples

## Not run:
add_groups(list(etag="vponEBg8hrR1yBUY0Hz66Uc5WMk/vyGp6PvFo4RvsFtPoIWeCReyIC8", 
ContentDetails = list(itemType="youtube#channel"), snippet = list(title ="hello")))

## End(Not run)
add_group_item

**Add Group Item**

**Description**

Add Group Item

**Usage**

```r
add_group_item(resource_details, ...)
```

**Arguments**

- `resource_details`
  
  Named nested list. Required. Must provide: groupId, resource.id

- `...`
  
  Additional arguments passed to `tubern_POST`.

**Value**

- named list

**References**

https://developers.google.com/youtube/analytics/v1/reference/groupItems/insert

**Examples**

```r
## Not run:
add_group_item(list(groupId = "", resouce.id ="hello")

## End(Not run)
```

delete_group

**Delete Group**

**Description**

Delete Group

**Usage**

```r
delete_group(id, ...)
```
delete_group_item

**Arguments**

<table>
<thead>
<tr>
<th>id</th>
<th>String. Required. “The id parameter specifies the YouTube group ID of the group that is being deleted.”</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Additional arguments passed to <code>tubern_PUT</code>.</td>
</tr>
</tbody>
</table>

**Value**

named list

**References**

https://developers.google.com/youtube/analytics/v1/reference/groups/delete

**Examples**

```r
## Not run:
delete_group(id="ABZzGSIAAA")
## End(Not run)
```

---

deleter_group_item  Delete Group

**Description**

Delete Group

**Usage**

delete_group_item(id, ...)

**Arguments**

<table>
<thead>
<tr>
<th>id</th>
<th>String. Required. “The id parameter specifies the YouTube group item ID for the group that is being deleted.”</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Additional arguments passed to <code>tubern_PUT</code>.</td>
</tr>
</tbody>
</table>

**Value**

named list

**References**

https://developers.google.com/youtube/analytics/v1/reference/groupItems/delete
get_report

Examples

## Not run:
delete_group_item(id="ABZZzGSIAAA")

## End(Not run)

get_report

Get Reports

Description

Lists reporting jobs that have been scheduled for a channel or content owner.

Usage

get_report(ids, metrics, start_date, end_date, currency, dimensions, filters,  
include_historical_channel_data, max_results, sort, start_index, user_ip, ...)

Arguments

ids

Named vector with two potential names: channel or contentOwner. If channel,  
potential values are: mine or channel_id. If contentOwner, potential values are:  
owner_id of the content.

metrics

String. Comma-separated list of YouTube Analytics metrics, such as views or  
likes, dislikes.

start_date

String. Must be in YYYY-MM-DD format.

date

String. Must be in YYYY-MM-DD format.

currency

Optional. String. Default is USD. Specifies what earnings metrics like earnings,  
adEarnings, grossRevenue, playbackBasedCpm, impressionBasedCpm will be reported in.

dimensions

String. Optional. Comma-separated list of YouTube Analytics dimensions, such  
as video or ageGroup, gender.

filters

Named Vector. Optional. For instance, “video===pd1FJh59zxQ,Zhawg0REhA;country===IT  
restricts the result set to include data for the given videos in Italy”

include_historical_channel_data

Boolean. Defaults is False. “Whether the API response should include channels’  
watch time and view data from the time period prior to when the channels were  
linked to the content owner.”

max_results

Integer. Optional. The maximum number of rows to include in the response.

sort

String. Optional. A comma-separated list of dimensions or metrics that deter-  
mine the sort order for YouTube.

start_index

Integer. Optional. “The 1-based index of the first entity to retrieve.”

user_ip

“IP address of the end user for whom the API call is being made.”

...  

Additional arguments passed to tubern_GET.
list_groups

Value

named list

References

https://developers.google.com/youtube/analytics/v1/reference/reports/query

Examples

```r
## Not run:
get_report(ids = "channel==MINE", metrics = "views",
start_date = "2010-04-01", end_date = "2017-01-01")
## End(Not run)
```

list_groups

List Groups

Description

List Groups

Usage

```r
list_groups(filter, page_token, ...)
```

Arguments

- **filter** : Named Vector. Required. Only One of the two: id or mine. id “The Named parameter specifies a comma-separated list of the YouTube group ID(s) for the resource(s) that are being retrieved.” mine String. Can be 'True' or 'False.' “Set this parameter’s value to true to retrieve all groups owned by the authenticated user.”
- **page_token** : String. Optional. “Identifies a specific page in the result set that should be returned.”
- **...** : Additional arguments passed to `tubern_GET`.

Value

named list

References

https://developers.google.com/youtube/analytics/v1/reference/groups/list
Examples

```r
## Not run:
list_groups(filter = c(mine = 'True'))

## End(Not run)
```

```
list_group_items
```

### Description

List Group Items

### Usage

```r
list_group_items(group_id, ...)
```

### Arguments

- **group_id**: String. Required. ID of the group
- **...**: Additional arguments passed to `tubern_GET`.

### Value

named list

### References

[https://developers.google.com/youtube/analytics/v1/reference/groupItems/list](https://developers.google.com/youtube/analytics/v1/reference/groupItems/list)

Examples

```r
## Not run:
list_group_items(group_id = "vponEBg8hrR1yBUX0Hz66UMk/vyGp6PvFo4RvsFtPoIWeCReyIC8")

## End(Not run)
```

```
tubern
```

### Description

`tubern` provides access to the YouTube Analytics and Reporting API

### Examples

```r
tubern
```

```
tubern provides access to the YouTube Analytics and Reporting API
```

### Description

`tubern` provides access to the YouTube Analytics and Reporting API
tubern_DELETE  

**Description**

DELETE

**Usage**

tubern_DELETE(path, query = NULL, body = "", ...)

**Arguments**

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

**Value**

list

---

tubern_GET  

**Description**

GET

**Usage**

tubern_GET(path, query = NULL, ...)

**Arguments**

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

**Value**

list
**tubern_POST**

**Description**

POST

**Usage**

`tubern_POST(path, query = NULL, body = "", ...)`

**Arguments**

- `path`: path to specific API request URL
- `query`: query list
- `body`: passing image through body
- `...`: Additional arguments passed to POST.

**Value**

list

---

**tubern.PUT**

**PUT**

**Description**

PUT

**Usage**

`tubern_PUT(path, query = NULL, body = "", ...)`

**Arguments**

- `path`: path to specific API request URL
- `query`: query list
- `body`: passing image through body
- `...`: Additional arguments passed to PUT.

**Value**

list
**update_group**  
*Update Groups*

**Description**
Update Groups

**Usage**
update_group(resource_details, ...)

**Arguments**
- resource_details
  - Named nested list. Required. Must provide: id, snippet title
  - Additional arguments passed to `tubern_PUT`.

**Value**
named list

**References**
https://developers.google.com/youtube/analytics/v1/reference/groups/update

**Examples**

```r
## Not run:
update_group(list(id="ABZZzGSIAAA", snippet = list(title ="hello")))

## End(Not run)
```

---

**yt_check_token**  
*Check if authentication token is in options*

**Description**
Check if authentication token is in options

**Usage**
yt_check_token()
yt_oauth

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 = "analytics",
         token = ".httr-oauth", ...)

Arguments

- app_id: client id; required; no default
- app_secret: client secret; required; no default
- scope: Character. analytics or monetary-analytics. Required. Default is monetary-analytics. The scopes are largely exchangeable but monetary-analytics yields extra authorizations that come in handy.
- token: path to file containing the token. If a path is given, the function will first try to read from it. Default is .httr-oauth in the local directory. So if there is such a file, the function will first try to read from it.
- ... Additional arguments passed to oauth2.0_token

Value

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

References

https://developers.google.com/youtube/analytics/v1/reference/
https://developers.google.com/youtube/analytics/v1/reference/ for different scopes

Examples

```r
## Not run:
yt_oauth("998136489867-5t3tq1g7hbovoj46dreqd6k5kd35ctjn.apps.googleusercontent.com",
         "MbOSt6cQhhFkwE7Xkur-L9rN")
## End(Not run)
```
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