Package 'adsDataHubR'

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Type Package

Title Google Ads Data Hub API Client

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Description
Interact with Google Ads Data Hub API <https://developers.google.com/ads-data-hub/reference/rest>. The functionality allows to fetch customer details, submit queries to ADH.

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LazyData true

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Imports httr, jsonlite, lubridate

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R topics documented:

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create_query   *create_query*

Description

Creates an analysis query for later execution. No query validation is performed at this time. Reference: <https://developers.google.com/ads-data-hub/reference/rest/v1/customers.analysisQueries/create>

Usage

```
create_query(customer_id, query_title, query_text, token)
```

Arguments

customer_id	ADH Customer ID e.g. customers/123
query_title	Query title, which is unique within a single Ads Data Hub customer and query type. e.g.RnF Analysis
query_text	Query text written in Standard SQL.
token	Access token retrived from function google_auth()

Value

If successful, the response body contains a newly created instance of the query

Examples

```
## Not run:
library(adsDataHubR)
token <- google_auth(client_id = client_id, client_secret=client_secret)
create_query(customer_id, query_title, query_text, token)

## End(Not run)
```

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get_adh_links   *get_adh_links*

Description

Lists links between the specified customer and other Google advertising entities.

Usage

```
get_adh_links(customer_id, token)
```

Arguments

customer_id	ADH Customer ID e.g. customers/123
token	Access token retrived from function google_auth()

Value

A list of ad data links.

Examples

```
## Not run:
library(adsDataHubR)
token <- google_auth(client_id = client_id, client_secret=client_secret)
total_customers <- get_customers(token)
customer_id <- "customers/123456"
get_adh_links(customer_id, token)

## End(Not run)
```

---

get_customers *get_customers*

Description

Fetch Ads Data Hub customers to which the current user has access. Reference: <https://developers.google.com/ads-data-hub/reference/rest/v1/customers.adsDataLinks/list>

Usage

```
get_customers(token)
```

Arguments

token	Access token retrived from function google_auth()

Value

A dataframe of all customers along with IDs to which authenticated user has access

Examples

```
## Not run:
library(adsDataHubR)
total_customers <- get_customers(token)

## End(Not run)
```

---

get_query   *get_query*

Description

Retrieves the requested analysis query. Reference: <https://developers.google.com/ads-data-hub/reference/rest/v1/customers

Usage

```
get_query(query_name, token)
```

Arguments

query_name	e.g.customers/123/analysisQueries/abcd1234
token	Access token retrived from function google_auth()

Value

A list of query details

Examples

```
## Not run:
library(adsDataHubR)
token <- google_auth(client_id = client_id, client_secret=client_secret)
get_query(query_name, token)

## End(Not run)
```

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google_auth   *google_auth*

Description

Function to login and create a token to be used in all the funtions Reference: <https://developers.google.com/ads-data-hub/guides/quickstart-api>

Usage

```
google_auth(client_id, client_secret)
```

Arguments

client_id	Client ID
client_secret	Client Secret

Value

Environment token that can be used in all other functions

See Also

<https://developers.google.com/ads-data-hub/guides/quickstart-api>

Examples

```
## Not run:
token <- google_auth(client_id = client_id, client_secret=client_secret)

## End(Not run)
```

---

list_queries   *list_queries*

Description

Lists links between the specified customer and other Google advertising entities. Reference: <https://developers.google.com/a
data-hub/reference/rest/v1/customers.analysisQueries/list>

Usage

```
list_queries(customer_id, token)
```

Arguments

customer_id   ADH Customer ID e.g. customers/123

token   Access token retrived from function google_auth()

Value

A list of analysis queries run on the ADH customer account.

Examples

```
## Not run:
library(adsDataHubR)
token <- google_auth(client_id = client_id, client_secret=client_secret)
total_customers <- get_customers(token)
customer_id <- "customers/123456"
list_queries(customer_id, token)

## End(Not run)
```

---

start_query   *start_query*

Description

Starts execution on a stored analysis query. The results will be written to the specified BigQuery destination table. The returned operation name can be used to poll for query completion status.. Reference: <https://developers.google.com/ads-data-hub/reference/rest/v1/customers.analysisQueries/start>

Usage

```
start_query(
  query_name,
  ads_data_customer_id,
  bq_destination_table,
  start_date,
  end_date,
  token
)
```

Arguments

query_name	e.g. customers/123/analysisQueries/abcd1234'
ads_data_customer_id	
	#Enter the "From" ADH account on which we want to run the query
bq_destination_table	
	BigQuery destination table ID e.g. "project.dataset.table_name" If specified, the project must be explicitly whitelisted for the customer's ADH account. If project is not specified, uses default project for the provided customer. If neither project nor dataset is specified, uses the default project and dataset.
start_date	Start Date e.g. 2021-01-31 format: YYYY-MM-DD
end_date	End Date e.g. 2021-01-31 format: YYYY-MM-DD
token	Access token retrived from function google_auth()

Value

If successful, the response body contains an instance of the submitted job.

Examples

```
## Not run:
library(adsDataHubR)
token <- google_auth(client_id = client_id, client_secret=client_secret)
start_query(query_name, ads_data_customer_id, bq_destination_table, start_date, end_date, token)

## End(Not run)
```

validate_query	*validate_query*

Description

Performs static validation checks on the provided analysis query. Reference: <https://developers.google.com/ads-data-hub/reference/rest/v1/customers.analysisQueries/validate>

Usage

```
validate_query(customer_id, query_instance, token)
```

Arguments

customer_id	ADH Customer ID e.g. customers/123
query_instance	Query instance returned by create_query function
token	Access token retrived from function google_auth()

Value

If successful, the response body contains a validation queryPerformanceInfo object

Examples

```
## Not run:
library(adsDataHubR)
token <- google_auth(client_id = client_id, client_secret=client_secret)
validate_query(customer_id, query_instance, token)

## End(Not run)
```

Index