Package ‘tremendousr’

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In addition to supporting GET and POST requests, ‘tremendousr’ has, dare I say, tremendously intuitive functions for sending digital rewards and incentives directly from R.
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trem_client_new

Create a new Tremendous API Client

Description

Create a new Tremendous API Client

Usage

trem_client_new(api_key = NULL, sandbox = TRUE)

Arguments

api_key API key from tremendous.com. Can either pass in here as a character string or set for repeated use with trem_set_api_key.
sandbox Logical: TRUE and any API requests are performed within the Tremendous sandbox environment, a free and fully-featured environment for application developing and testing. FALSE and the API requests are performed within the Tremendous production environment. This will involve sending actual money, so be certain you wish to do this!

Value

An object of class ‘tremClient’ that contains the API Key and Environment information for easily performing Tremendous API requests.

Examples

## Not run:

# Create a client for testing API calls within the Sandbox environment.
test_client <- trem_client_new(api_key = "TEST_YOUR-KEY-HERE",
   sandbox = TRUE)

# Create a client for performing API calls within a production environment.
# This client will be able to send actual money!
prod_client <- trem_client_new(api_key = "PROD_YOUR-KEY-HERE",
   sandbox = FALSE)

## End(Not run)
trem_delete

Perform a DELETE request to Tremendous API

Description

Tremendous only supports DELETE requests for one endpoint – deleting an invoice. Per their documentation, this request "removes an invoice. This has no further consequences but is a rather cosmetic operation." See the examples for a walk-through.

Usage

```r
trem_delete(
  client,
  path,
  query = list(),
  body = NULL,
  disk = NULL,
  stream = NULL,
  encode = "json",
  parse = TRUE
)
```

Arguments

- `client`: A Tremendous API Client object, created with `trem_client_new`.
- `path`: The URL path, appended to the base URL, for GET requests such as listing available payment types, funding sources, account members, and more. See the Tremendous API Documentation for examples.
- `query`: Query terms as a named list. See `cru::HttpClient` for more details.
- `body`: Request body for Tremendous API, as an R List.
- `disk`: A path to write to. NULL by default, so info is written to memory. See `cru::HttpClient` for more details.
- `stream`: An R function to determine how to stream data. NULL by default, so info is streamed with memory. See `cru::HttpClient` for more details.
- `encode`: "json" by default based on Tremendous API Request format. See `cru::HttpClient` for more options.
- `parse`: Logical: Should the API Response results be parsed into a data frame?

Value

If `parse = TRUE` (default), a list containing the response from the API request. Otherwise, the R6 HttpResponse object containing API request data.
## Examples

```r
## Not run:

# Create a new Tremendous API Client

test_client <- trem_client_new(api_key = "TEST_YOUR-API-KEY-HERE",
                              sandbox = TRUE)

# Perform a POST request for an invoice.
# `po_number` is Reference to the purchase order number within your organization
# `amount` is in USD

trem_post(test_client,
           path = "invoices",
           body = list(po_number = "unique-invoice-id",
                        amount = 50))

# Perform a GET request for listing all current (non-deleted) invoices.

current_invoices <- trem_get(test_client, "invoices")

# Get index for the correct ID

unique_id_index <- which(current_invoices$invoices$po_number == "unique-invoice-id")

# Get the invoice ID for 'unique-invoice-id' to delete

my_invoice_id <- current_invoices$invoices[unique_id_index, "id"]

# Perform a DELETE request for the specific invoice.

trem_delete(test_client, paste0("invoices/", my_invoice_id))

# Perform a GET request for listing all current (non-deleted) invoices.
# The one with id `po_number` 'unique-invoice-id' should no longer be here.

trem_get(test_client, "invoices")

## End(Not run)
```

---

**trem_get**

Perform a GET request to Tremendous API

### Description

This function provides lower-level access to perform GET requests via Tremendous API. Available endpoints can be found on the official [Tremendous API documentation](#).

### Usage

```
trem_get()
```
trem_get

client,
path,
query = list(),
disk = NULL,
stream = NULL,
parse = TRUE
)

Arguments

client  A Tremendous API Client object, created with `trem_client_new`.
path    The URL path, appended to the base URL, for GET requests such as listing available payment types, funding sources, account members, and more. See the Tremendous API Documentation for examples.
query   Query terms as a named list. See `crl::HttpClient` for more details.
disk    A path to write to. NULL by default, so info is written to memory. See `crl::HttpClient` for more details.
stream  An R function to determine how to stream data. NULL by default, so info is streamed with memory. See `crl::HttpClient` for more details.
parse   Logical: Should the API Response results be parsed into a data frame?

Value

If `parse = TRUE` (default), a list containing the response from the API request. Otherwise, the R6 HttpResponse object containing API request data.

Examples

```r
## Not run:
# Create a new Tremendous API Client
test_client <- trem_client_new(api_key = "TEST_YOUR-API-KEY-HERE",
sandbox = TRUE) # Sandbox environment so no actual money is sent

# Perform a GET request to list funding sources available in your Tremendous Account. Documentation:
# https://developers.tremendous.com/reference/core-funding-source-index
trem_get(test_client, "funding_sources")

# Perform a GET request to list all invoices on your Tremendous Account. Documentation:
# https://developers.tremendous.com/reference/core-invoices-index
trem_get(test_client, "invoices")

# Perform a GET request to list all orders (payment history) on your Tremendous Account. Documentation:
# https://developers.tremendous.com/reference/core-orders-index
trem_get(test_client, "orders")
```
# Perform a GET request to list a specific order’s information (payment history) from your Tremendous Account. Documentation:
# https://developers.tremendous.com/reference/core-orders-show
trem_get(trem_client, "orders/YOUR-ORDER-ID")

## End(Not run)

trem_post

### Description

This function provides lower-level access to perform POST requests via Tremendous API. Available endpoints can be found on the official Tremendous API documentation.

For sending payments, I would recommend using `trem_send_reward` as it’s more intuitive to use. However, this can be done using the `trem_post()` function (see examples).

### Usage

```r
trem_post(
  client,
  path,
  query = list(),
  body = NULL,
  disk = NULL,
  stream = NULL,
  encode = "json",
  parse = TRUE
)
```

### Arguments

- **client**: A Tremendous API Client object, created with `trem_client_new`.
- **path**: The URL path, appended to the base URL, for GET requests such as listing available payment types, funding sources, account members, and more. See the Tremendous API Documentation for examples.
- **query**: Query terms as a named list. See `crl::HttpClient` for more details.
- **body**: Request body for Tremendous API, as an R List.
- **disk**: A path to write to. NULL by default, so info is written to memory. See `crl::HttpClient` for more details.
- **stream**: An R function to determine how to stream data. NULL by default, so info is streamed with memory. See `crl::HttpClient` for more details.
- **encode**: "json" by default based on Tremendous API Request format. See `crl::HttpClient` for more options.
- **parse**: Logical: Should the API Response results be parsed into a data frame?
Value

If parse = TRUE (default), a list containing the response from the API request. Otherwise, the R6
HttpResponse object containing API request data.

Examples

## Not run:

# Create a new Tremendous API Client
```
test_client <- trem_client_new(api_key = "TEST_YOUR-API-KEY-HERE",
   sandbox = TRUE)
```

# Perform a POST request to invite new members to your Tremendous Account.
# Documentation: https://developers.tremendous.com/reference/post_members
```
trem_post(trem_client,
   path = "members",
   body = list(email = "example@website.com",
                 name = "Example Person",
                 role = "MEMBER"))
```

# Perform a POST send payments --
I find it ~tremendously~ easier to use the `trem_send_reward()` function.
# Documentation: https://developers.tremendous.com/reference/core-orders-create
```
trem_post(trem_client,
   path = "orders",
   body = list(
      external_id = "manual-payment-post", # This is a payment description id
      payment = list(
         funding_source_id = "your-funding-id-from-tremendous"
      ),
      rewards = list(
         value = list(
            denomination = 10,
            currency_code = "USD"
         ),
         delivery = list(
            method = "EMAIL" # "EMAIL", "LINK", or "PHONE",
         ),
         recipient = list(
            name = "first last",
            email = "email@website.com"
         ),
         # IDs for Applebee's Gift Card and Amazon Gift Card
         products = c("2JFKPXBWDC1K", "VW9JLMPRL9N7")
      )
   )
)
```

## End(Not run)
trem_send_reward

Send a Reward via Tremendous API

Description
The most likely reason to use the tremendousr package is to send rewards. This function, `trem_send_reward()`, provides an easy interface to do so. See the examples for more details.

Usage

```r
trem_send_reward(
  client,
  name,
  email = NULL,
  phone = NULL,
  reward_amount,
  currency_code = "USD",
  delivery_method = "EMAIL",
  payment_description_id,
  funding_source_id,
  reward_types,
  parse = TRUE
)
```

Arguments

- `client`: A Tremendous API Client object, created with `trem_client_new`.
- `name`: Name of the recipient.
- `email`: Email address of the recipient.
- `phone`: Phone number of the recipient (US phone numbers only).
- `reward_amount`: Amount of the reward (numeric).
- `currency_code`: Currency of the reward (default to "USD").
- `delivery_method`: Default to "EMAIL", for sending the reward to the recipient via email. Alternatively, reward can be delivered via a link ("LINK") or text message ("PHONE").
- `payment_description_id`: Unique ID for specific order. This will appear as `external_id` on Tremendous Dashboard.
- `funding_source_id`: ID of the funding source linked to your account, to draw funds from for this order. One of the IDs from `trem_get("funding_sources")`.
- `reward_types`: A character vector of product ids – reward options – for the recipient to choose from. Available options can be found [here](#).
- `parse`: Logical: Should the API Response results be parsed into a data frame?
Value

If parse = TRUE (default), a list containing the response from payment API request. Otherwise, the R6 HttpResponse object containing API request data.

Examples

```r
## Not run:

test_client <- trem_client_new(api_key = "TEST_YOUR-KEY-HERE",
                             sandbox = TRUE) # Sandbox environment so no actual money is sent

payment1 <- trem_send_reward(client = test_client,
                             name = "first last",
                             email = "email@website.com",
                             reward_amount = 10,
                             currency_code = "USD",
                             delivery_method = "EMAIL",
                             payment_description_id = "payment-from-tremendousr-examples",
                             funding_source_id = "your-funding-id-from-tremendous",
                             reward_types = "Q24BD9EZ332JT", # ID for virtual visa gift card
                             parse = TRUE # Return a parsed API response
)
```

## End(Not run)

---

trem_set_api_key  Set Tremendous API Key in .Renviron

Description

Set Tremendous API Key in .Renviron

Usage

trem_set_api_key(api_key)

Arguments

api_key API key from tremendous.com.

Value

NA; Used to set the Tremendous API key for persistent use in ’.Renviron’.
Examples

if (interactive()) {
    # For Sandbox Environment, your API key should look like:
    trem_set_api_key("TEST_YOUR-API-KEY")

    # For Production Environment, your API key should look like:
    trem_set_api_key("PROD_YOUR-API-KEY")
}

---

trem_ua  

*Get useragent info for tremendousr API Package*

Description

Exported for use with `trem_client_new` to provide useragent info as a curl option for the API Request. This function was Adapted from `chimpr`.

Usage

`trem_ua()`

Value

useragent info for tremendousr API Package

Examples

# Get useragent info for the tremendous API package
trem_ua()
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