TAOGLAS

Taoglas **API**
Summary

v0.5

Taoglas API - Summary v0.5

Entry point

https://crowdinsights.taoglas.com/apidata/index.php

Authentication

API Key

To use the API an API Key is required. It is obtained when the customer logins into the system, and expires after 48 hours.

To call any API method, the next headers must be specified:

> *thinks-idcustomer:* customer ID

> *thinks-apikey*: API Key

The next codes are returned from any method if somethingis wrong with the authentication:

- **HTTP 400:** A header is missing or wrong
- **HTTP 401:** Wrong API Key
- **HTTP 403:** The API Key has expired
- **HTTP 404:** Wrong customer ID
- **HTTP 500:** Server error

If an API Key is expired, a new one must be obtained calling again the login method. The API Key is related

to the customer ID, meaning only one API Key will be valid for each customer at the same time.

Login

> **Description:** Logins into the system and returns the API Key.

> **Method: auth/customer/login/**

> **Type:** GET

> **Parameters:** None

> **Header parameters:**
> - *thinks-idcustomer*
>   - Customer ID
> - *password*
>   - Customer API password

> **Returns:**
> - **JSON array** containing the new API Key
> - **HTTP 400:** A header is missing or wrong
> - **HTTP 401:** Wrong password
> - **HTTP 404:** Wrong customer
> - **HTTP 500:** Server error

Check API Key

Description: Helper method to validate an API Key with a customer ID. The API Key validation is performed in any method, except the login. If the API Key becomes invalid or it is wrong, the method will return an authentication error code. The *check* method helps controlling it before the error is raised

Method: auth/customer/check/

Type: GET

Parameters: None

Header parameters:

- *thinks-idcustomer*
  - Customer ID
- *thinks-apikey*
  - API Key

Returns:

- **HTTP 200:** Correct API Key
- **HTTP 400:** A header is missing or wrong
- **HTTP 401:** Wrong API Key
- **HTTP 403:** The API Key has expired
- **HTTP 404:** Wrong customer ID
- **HTTP 500:** Server error

Methods

Summary

KPI

Description: Returns the KPI for a collection or for a time period. Contains summarized data on visitors, dwell time, visits, and conversion factors.

Method: summary/kpi/date

Type: GET

Parameters:

- *date*
  - Dataset date in ymd format. By example, 190930 means September 30 of 2019

Header parameters:

- Period control
  - *days*
    - Number of previous days to the given date
    - Value in range [1, 15]
    - Default value: 1
    - Higher value means higher request response time
- *thinks-idcustomer*
  - Customer ID
- *thinks-apikey*
  - API Key

Returns:

- **JSON array,** with KPI data classified by days, type of filter ("passersby_type", "visitors_type", "staff_type") and zone
- **HTTP 200** code if result is OK
- **HTTP 400** code if date format or timezone are wrong
- **HTTP 404** code if the dataset is not found for that date, or if it isn't yet ready (not cached)

Period

Description: Returns the summary of a time period, with the number of visitors by hour, by day, and **the** dwelltimes by time range.

Method: summary/period/date

Type: GET

Parameters:

- *date*
  - Dataset date in ymd format. By example, 190930 means September 30 of 2019

Header parameters:

- Period control
  - *days*
    - Number of previous days to the given date
    - Value in range [1, 15]
    - Default value: 1
    - Higher value means higher request response time
- *thinks-idcustomer*
  - Customer ID
- *thinks-apikey*
  - API Key

Returns:

- **JSON array,** with the data classified by days, type of filter ("passersby_type", "visitors_type", "staff_type") and zone
- **HTTP 200** code if result is OK
- **HTTP 400** code if date format or timezone are wrong
- **HTTP 404** code if the dataset is not found for that date, or if it isn't yet ready (not cached)
- **An authentication error code** if API Key validation fails (see Login section)

Movement - Matrix

Description: Returns the movement between zones for a selected period. Data is represented for each date as a triangular matrix that contains the number visitors seen in each zone pair.

Method: summary/matrixmovement/date

Type: GET

Parameters:

- *date*
  - Dataset date in ymd format. By example, 190930 means September 30 of 2019

Header parameters:

- Period control
  - *days*
    - Number of previous days to the given date
    - Value in range [1, 15]
    - Default value: 1
    - Higher value means higher request response time
- *thinks-idcustomer*
  - Customer ID
- *thinks-apikey*
  - API Key

Returns:

- **JSON array,** with the data classified by days, where each day is represented as a triangularmatrix of the visitors between each zone. If the collection contains metadata, the visitiors are also classified by each tag
- **HTTP 200** code if result is OK
- **HTTP 400** code if date format is wrong
- **HTTP 404** code if the dataset is not found for that date, or if it isn't yet ready (not cached)
- An authentication error code if API Key validation fails (see Login section

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