

Citizens API

Overview

The Citizens API uses the [REST](#) architectural style. The API is organized into resources and each resource should be reachable using an unique [URI](#). Different actions occurs depending on the HTTP verb you use to access the resource. In general, the http verbs works this way on our API:

| HTTP Verb | Description |
|------------------|---|
| POST | When the target is a collection resource it will create a new item for the collection. It is also used for performing special actions. |
| GET | If the target is a collection it should return a subset of the collection that could be filtered using URL query parameters. If the target is a document resource identified by ID it will return the specific information for that resource. |
| PUT | This HTTP method will be used to update an already existing resource. |
| DELETE | This method lets you to delete a resource. It is only allowed for certain document resources. |

All the API responses will return an HTTP [Status Code](#) and all data is sent and received as [JSON](#).

Security

For authorization you must provide a valid API key in the request by using the **"X-API-KEY"** header. The valid API Key is customized per installation and will be set on the server using an environment variable name: **CZ_API_KEY**. For instance if you set the variable like this:

```
export CZ_DB_USER="1QOna4hcXzKZYa3owkPUw2UzZqFSRfQnmhWcm2uE"
```

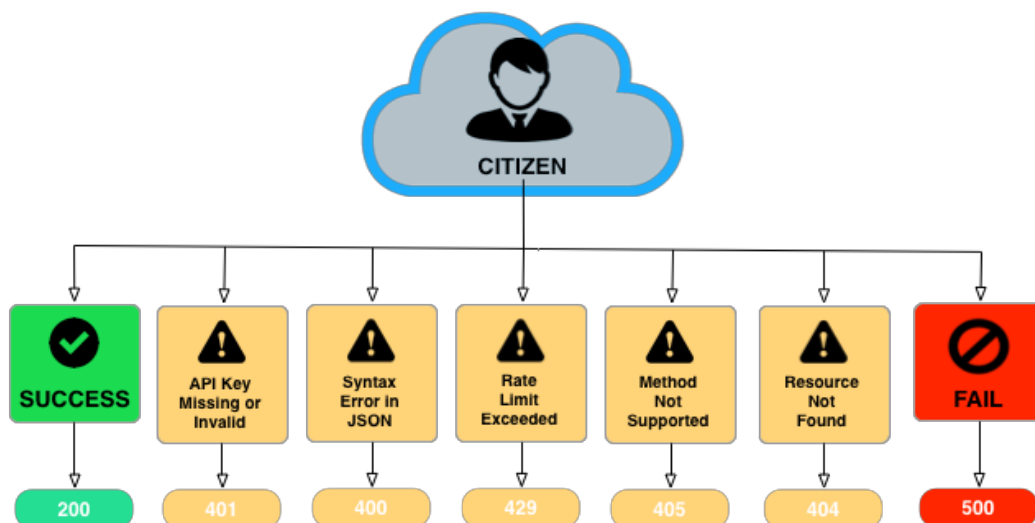
Clients must set the header value for every request to the API using that key:

X-API-KEY: 1QOna4hcXzKZYa3owkPUw2UzZqFSRfQnmhWcm2uE

Status Codes

We will use standard HTTP response codes to indicate failures or success on the API responses. Responses with 2xx represent a successful request and responses with 4xx codes means there was an error on the request. When you received a 5xx error that means something unexpected happen on the server.

| Code | Description |
|-------------|---|
| 200 | OK - Successful request. Everything works as expected. |
| 201 | Created - This code is returned when the client did a POST to a collection resource and the new resource was successfully created. |
| 400 | Bad Request - Something failed. Most likely on the client side. Could be a non-expected parameter or a bad formatted value. |
| 401 | Unauthorized - Either the API key was not provided or was invalid or the basic HTTP authentication failed because the client didn't send the valid credentials. |
| 404 | Not Found - The requested resource could not be found. Probably the URI was wrong or the intended item id is not present in the request. |
| 405 | Method not allowed - A request was made using an HTTP verb the resource not support. |
| 406 | Not acceptable - We don't support the requested content type. We only support JSON. Try using <code>"*/*"</code> or <code>"application/json"</code> on your <code>Accept</code> header. |
| 429 | Too many requests - The client exceeded the rate limit of requests per second. |



Resources

Citizen



Represents a Costa Rican citizen.

| Field | Type | Description |
|----------------|---------|--|
| identification | string | Identification number of the person. |
| firstName | string | The complete first name of the person. |
| lastName | string | Family name. The last name of the person's father. |
| surName | string | Family name. The last name of the person's mother. |
| gender | string | Person's gender: M = male, F = female. |
| address | Address | Registered voting district of the person. |

| Field | Type | Description |
|----------|--------|--|
| province | string | One of the seven provinces of Costa Rica |
| city | string | One of the 81 cantons of Costa Rica |
| district | string | One of the 473 districts of Costa Rica |

READ

To retrieve the information of a person perform a **GET** request over the URI: `/citizens/{id}`

Example:

GET `/citizens/205480941`

X-API-KEY: *Secret Key*

Content-Type: *application/json*

Response:

Status: **200 OK**

Content-Type: *application/json*

Body:

```
{
  "Identification": "205480941",
  "FirstName": "Greivin",
  "LastName": "Lopez",
  "SurName": "Paniagua",
  "Gender": "M",
  "Address": {
    "Province": "Alajuela",
    "City": "Central",
    "District": "Villa Bonita (Parte Sur)"
  }
}
```