API Specification Doc

(*PROJETO UATI*)

Version	Date	Authors	Description
0.1	30-Jul-2019	Squad 3: ● Luiz Felipe <felipe@kapui.com.br> ● Rafael <rfmf@protonmail.com.br> ● Roberta <robertarl@gmail.com> ● Rodrigo <pp5ere@gmail.com>	Functional API.

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1. Login

Authenticate the user with the system and obtain the auth_token

Request

Method	URL
POST	/auth

Type	Params	Values
POST	usermail	string
POST	password	string

Response

Status	Response
200	{"Result": <result>,"Code":<response>,"token":<token>} result (**string**) - answer to the the request code (**string**) - code of the response token (**string**) - all further API calls must have this key in header

2. Register User

Register a new user.

Request

Method	URL
POST	`/mails/add`

Type	Params	Values
HEAD	`access-token`	`string`
POST	`name`	`string`
POST	`usermail`	`string`

access-token
The `access-token` that was given in response to `/auth`

Response

Status	Response
200	`{"Result": <result>,"Code":<response>,"token":<token>}` `result` (**string**) - answer to the the request `code` (**string**) - code of the response `token` (**string**) - all further API calls must have this key in header
401	`{"Result":"Unathorized Request","Code":9}`

3. Warnings

Provides a list of the warnings for the user, including who are the clients that became public servers and the public servers that receives the most.

Request

Method	URL
POST	/warn

Type	Params	Values
HEAD	access-token	string
POST	data	datetime
POST	id	int

Response

Status	Response

200	**Json with warnings data**
	
	Example response:-
	
	{
	  "Result":"Sucesso",
	  "Code":1,
	  "token":<token>,
	  "Warn":{
	    "Id":11,
	    "data":"2019-07-29T23:19:17Z",
	    "Lista":{
	      "ClientesDoBanco":null,
	      "TopFuncionariosPublicos":null
	    },
	    "Emails":[
	      {
	        "Id":4,

```
        "Idnotificacao":0,
        "emailusuario":"mail@mail.com",
        "data":"2019-07-29T23:19:24Z"
      },
      {
        "Id":5,
        "Idnotificacao":0,
        "emailusuario":"mail2@mail.com",
        "data":"2019-07-30T15:11:21Z"
      }
    ]
  }
}
```

401	{"Result":"Unathorized Request","Code":9}

4. Update user data

Allows to update the users data.

Request

Method	URL
POST	/mails/{id}/update

Type	Params	Values
HEAD	access-token	string
URL_PARAM	<id>	Int
POST	usuario	string
POST	email	string
POST	password	string

id
Id of the user to update.

Response

Status	Response
200	{"Result": <result>,"Code":<response>,"token":<token>} result (**string**) - answer to the the request code (**string**) - code of the response token (**string**) - all further API calls must have this key in header
401	{"Result":"Unathorized Request","Code":9}

5. Delete user data

Allows to delete the users data.

Request

Method	URL
POST	/mails/{id}/delete

Type	Params	Values
HEAD	access-token	string
URL_PARAM	<id>	Int

id
Id of the user to update.

Response

Status	Response
200	{"Result": <result>,"Code":<response>,"token":<token>} result (**string**) - answer to the the request code (**string**) - code of the response token (**string**) - all further API calls must have this key in header
401	{"Result":"Unathorized Request","Code":9}

6. Get all registered e-mails

Returns a list with all the users e-mails.

Request

Method	URL
POST	/mails

Type	Params	Values
HEAD	access-token	string

Response

Status	Response
200	{"Result": <result>,"Code":<response>,"token":<token>, "UsermailList": <list>} result (**string**) - answer to the the request code (**string**) - code of the response token (**string**) - all further API calls must have this key in header list (**array**) - a list of all registered e-mails.
401	{"Result":"Unathorized Request","Code":9}

7. Upload

Allows the user to upload a client list to the server.

Request

Method	URL
POST	/upload

Type	Params	Values
HEAD POST	Access-token csv	string text/plain

Response

Status	Response
200	{"Result": <result>,"Code":<response>,"token":<token>, "UsermailList": <list>} result (**string**) - answer to the the request code (**string**) - code of the response token (**string**) - all further API calls must have this key in header
401	{"Result":"Unathorized Request","Code":9}

8. Get tables

Returns the user tables of data created by the data science scripts.

Request

Method	URL
POST	/tables

Type	Params	Values
HEAD	Access-token	string

Response

Status	Response
200	{"Result": <result>,"Code":<response>,"token":<token>, "DataResume": <datalist>} result (**string**) - answer to the the request code (**string**) - code of the response token (**string**) - all further API calls must have this key in header datalist (**json**) - json with all the tables.
401	{"Result":"Unathorized Request","Code":9}

Glossary

Conventions

- **Client** - Client application.
- **Status** - HTTP status code of response.
- All the possible responses are listed under 'Responses' for each method. Only one of them is issued per request server.
- All response are in JSON format.
- All request parameters are mandatory unless explicitly marked as [optional]
- The type of values accepted for a *request* parameter are shown the the values column like this [10|<any number>] .The | symbol means *OR*. If the parameter is [optional], the default value is shown in blue bold text, as **10** is written in [**10**|<any number>].

Status Codes

All status codes are standard HTTP status codes. The below ones are used in this API.

2XX - Success of some kind
4XX - Error occurred in client's part
5XX - Error occurred in server's part

Status Code	Description
200	OK
201	Created
202	Accepted (Request accepted, and queued for execution)
400	Bad request
401	Authentication failure
403	Forbidden
404	Resource not found
405	Method Not Allowed
409	Conflict

412	Precondition Failed
413	Request Entity Too Large
500	Internal Server Error
501	Not Implemented
503	Service Unavailable