

JokeBot

API Developers Guide **v1.0 December 2019**

This document details the RESTful – JSON
Jokebot API for developing interactive
jokes apps.

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1 Introduction

JokeBot is a cloud based API service that provides a simple way to request jokes for integration into other apps.

Interaction with the service is via a RESTful API. The API provides the ability to simply request a random joke of a specified category. All jokes are text based.

The cloud service currently includes approximately xx jokes and possibility to add own set of jokes if desired. For any queries about the API please email thecodecentre@gmail.com.

2 API Access and Security

Access to the API requires registration and a valid API key. You can register and obtain an API key at:

<https://jokebot.appspot.com>

The API service is accessed via the URL <https://jokebot.appspot.com/apiv1/> . All responses will use the JSON standard UTF-8 character set with the HTTP mime *content-type* set to:

Content-Type: application/json

To overcome the same origin policy when using AJAX, the responses will support CORS (http://en.wikipedia.org/wiki/Cross-origin_resource_sharing) and include the following in each HTML response header:

```
Access-Control-Allow-Origin: *
Access-Control-Allow-Headers: Content-Type, Authorization
Access-Control-Allow-Methods: PUT, GET, POST, DELETE, OPTIONS
```

2.1 Authentication

Access to jokebot require a valid access token. An access token can be obtained by authenticating the app id and API key in a POST request to the authentication endpoint (see section 4.1).

If the app id and API key are not valid then the API will respond with a HTTP 401 Unauthorised status code.

If the authentication details are valid the API will respond with an access token in a JSON message.

The access token will expire after 10 minutes, after which the user will need to obtain a new access token by re-authenticating.

3 Summary of API Interactions

There are 2 types of resources provided by the API.

3.1 Authentication (/authenticate)

Used to authenticate a user and obtain an access token.

3.2 New Joke (/joke)

To request a new joke. Requires a valid access token.

4 API Details

The service is accessed via the URL <https://jokebot.appspot.com/apiv1/>. In case of an error the API will return a JSON error message e.g.:

```
{"error": "Joke id does not exist"}
```

4.1 Authentication

Description	Get an access token the using API key
URL Structure	https://jokebot.appspot.com/apiv1/authenticate
Method	POST
Parameters	POST data must contain a JSON message with app id and corresponding API key: <pre>{ "app_id":5654313976201216, "api_key":"phgNUhdk76UYDjhhdoKM" }</pre>
Response	Access token in JSON message. E.g. <pre>{"user_id":5654313976201216,"access_token":"phgNUhdk76UYDjhhdoKM","expires_in":86400,"token_type":"Standard"}</pre> Where: user_id is the unique app id access_token is the token that should be used in all subsequent API interactions expires_in is the validity of this token in seconds - default is 600 (10 mins) token_type will always be "Standard"
Errors	Standard Jokebot API JSON error message

4.2 Request a random joke

Description	Request a random joke
URL Structure	<a href="https://jokebot.appspot.com/apiv1/joke?access_token=<token>">https://jokebot.appspot.com/apiv1/joke?access_token=<token>
Method	GET
Parameters	access_token=<token>
Response	A joke within a JSON message. E.g. <pre>{"_id":"5e04e59c14749d472ceb8a0c","Jid":51,"Category":"General","Joke":"What do you call a teacher with no arms, no legs, and no body? The Head","Requests":0}</pre> Where:

	Jid is the unique id of this joke Category is the category of this joke Joke is the joke text Requests is number of times this jokes has been requested
Errors	Standard Jokebot API JSON error message

4.3 Specific joke

Description	Request a specific joke
URL Structure	<a href="https://jokebot.appspot.com/apiv1/joke?joke_id=<joke id>&access_token=<token>">https://jokebot.appspot.com/apiv1/joke?joke_id=<joke id>&access_token=<token>
Method	GET
Parameters	access_token=<token> joke_id=<the joke id>
Response	A joke within a JSON message. E.g. <pre>{ "_id": "5e04e59c14749d472ceb8a0c", "Jid": 51, "Category": "General", "Joke": "What do you call a teacher with no arms, no legs, and no body? The Head", "Requests": 0 }</pre> Where: Jid is the unique id of this joke Category is the category of this joke Joke is the joke text Requests is number of times this jokes has been requested
Errors	Standard Jokebot API JSON error message

4.4 Random joke by category

Description	Request a random joke by category
URL Structure	<a href="https://jokebot.appspot.com/apiv1/joke?category=<category>&access_token=<token>">https://jokebot.appspot.com/apiv1/joke?category=<category>&access_token=<token>
Method	GET
Parameters	access_token=<token> category= <category>
Response	A joke within a JSON message. E.g. <pre>{ "_id": "5e04e59c14749d472ceb8a0c", "Jid": 51, "Category": "General", "Joke": "What do you call a teacher with no arms, no legs, and no body? The Head", "Requests": 0 }</pre> Where:

	Jid is the unique id of this joke Category is the category of this joke Joke is the joke text Requests is number of times this jokes has been requested
Errors	Standard Jokebot API JSON error message

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