

GIF API Documentation

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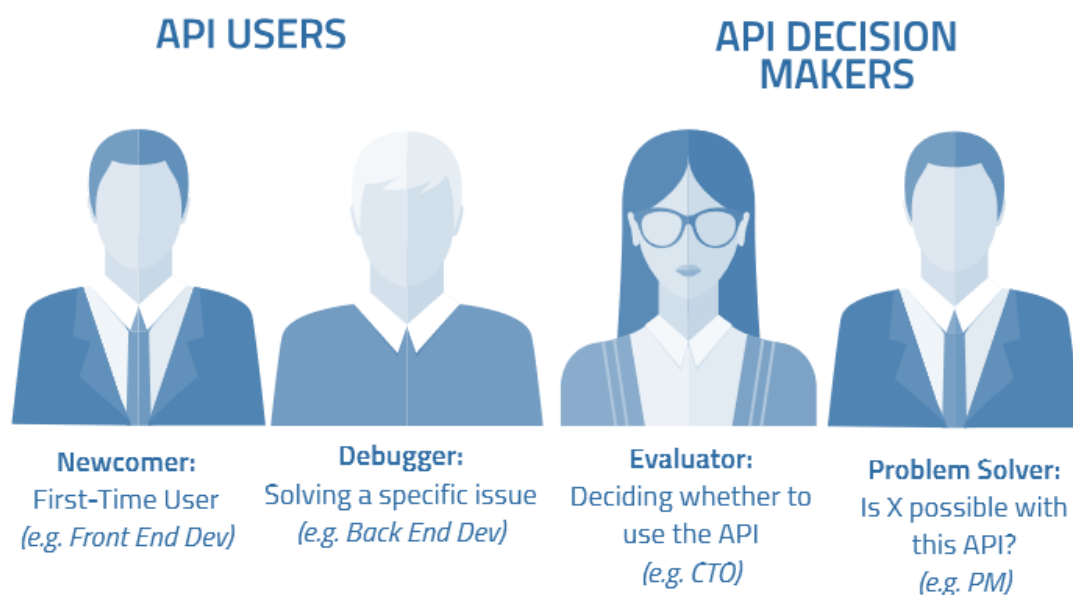
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Summary:

Following document consist of information on gif API and how to access this API, It covers some detail information how this API works and how individual or organisation using it can incorporate this API in his System. This document will also provide some information on development of this API for further enhancement.

Audiences

If you are following audiences that I think represent the most significant fractions of users, but there are undoubtedly more:



1. **Developer** looking to get started with API **Newcomer**
2. **Developer** debugging a specific issue in an existing client — the **Debugger**
3. **CTO** evaluating competing APIs — the **Decision maker**
4. **Product manager** figuring out if opportunities and further possibilities with this **API**

Understanding API Journey.

Why should I use it?

This API is to get best G rated Gif images from the Giphy (3rd Party) Giphy provider.

This API would help you incorporate in your application for general user. This will save your time in filtering data and would be used to kickstart your application with easy functionality without hustle. As Its ready to use.

Design Decision:

In Developing Gif API, I have used **design first approach**. Also called as **Spec-Driven** development, you will be able to build your API for the long-term, while also catching glitches, inconsistencies and generally bad design on early stages. This process adds up extra time on

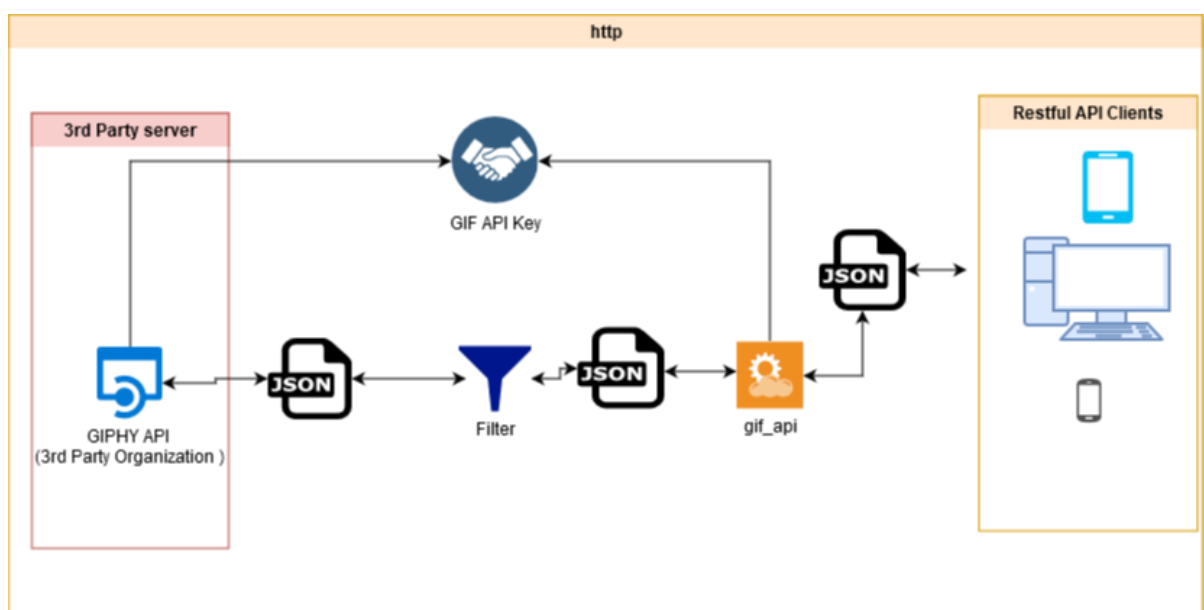
development cycle. It can save you months and even years of hassle as you struggle with poor design, inconsistencies, or worse building a new API from scratch.

The idea was building behind a REST API is simple: it should be flexible enough to endure. That means as you build your API, you want to plan—not just for this development cycle, not just for the project roadmap, but for what may exist a year or two down the road.

Spec-Driven Development is designed to take advantage of newer technologies to make the development, management and documentation of our API even more efficient. It does this by first dividing design and development into two separate processes.

Design Process:

To represent how the Overall gif API will work below is the structure of the API



Following is the RAML file which gives brief understanding on how above API would interact with third party API ie Giphy.

Following is the RAML File:

```
#%RAML 1.0
```

```
title: My Giphy API
```

```
version: v1
```

```
description: An API to presents a selection of G-rated GIFs for a specified search term.
```

```
protocols: HTTP
```

```
baseUri: http://api.giphy.com/{version}
```

/gifs:

get:

description: This is to get Gif ID (only one at a time)

queryParameters:

ids:

type: string

description: Enter Gif ID to search

minLength: 18

displayName: ID

example: 3oEdv3F6gzBh8diueA

api_key:

default: "B7vL9atiFWJmO5lci6raNBLojUXnMPAB"

schema: string

required: true

rating:

default: "G"

required: true

responses:

200:

description: Status Ok

body:

application/json:

example: |

[

{

"ID" : "YsTs5ltWtEhnq",

"Description" : "Happy Dancing GIF",

"UrlBitly" : "http://gph.is /1gsWDcL",

"UrlLooping"

:

"http://www.reddit.com/r/reactiongifs/comments/1xpyaa/superman_goes_to_hollywood/",

```

        "DOC" : "2013-08-01 12:41:48",
        "Creator" : "JoeCool4000"
    },
    {
        "ID" : "PTs5lt72tEhnq",
        "Description" : "cat",
        "UrlBitly" : "http://gph.is/1g45WDcp",
        "UrlLooping" :
"http://www.reddit.com/r/reactiongifs/comments/1xpyaa/cat_smiling/",
        "DOC": "2012-08-01 12:41:48",
        "Creator" : "manonMoon"
    }
]

```

/gifs/search:

displayName: Gif Engine

description: this is tool to find gif

get: #Method DecelARATION

queryParameters:

q:

minLength: 3

required: true

displayName: How you felling..?

description: Use to collect user expression

type: string

example: happy

api_key:

default: "B7vL9atiFWJmO5lci6raNBLojUXnMPAB"

schema: string

required: true

rating:

default: "G"

required: true

responses:

200: # status code

description: Gif found Ok

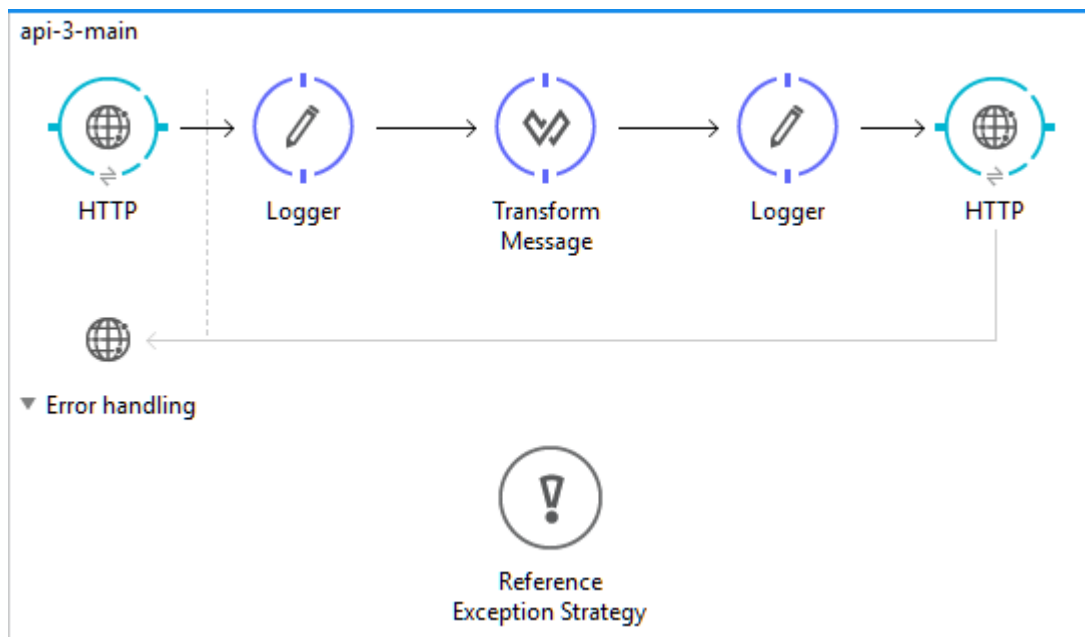
body:

application/json:

example: |

```
[
  {
    "ID" : "YsTs5ltWtEhnq",
    "Description" : "Happy Dancing GIF",
    "UrlBitly" : "http://gph.is /1gsWDcL",
    "UrlLooping" :
"http://www.reddit.com/r/reactiongifs/comments/1xpyaa/superman_goes_to_hollywood/",
    "DOC" : "2013-08-01 12:41:48",
    "Creator" : "JoeCool4000"
  },
  {
    "ID" : "PTs5lt72tEhnq",
    "Description" : "cat",
    "UrlBitly" : "http://gph.is/1g45WDcp",
    "UrlLooping" :
"http://www.reddit.com/r/reactiongifs/comments/1xpyaa/cat_smiling/",
    "DOC": "2012-08-01 12:41:48",
    "Creator" : "manonMoon"
  }
]
```

Technical Implementation:



Dependencies:

As the current API relays on 3 Party service ie GIPHY. IF at any point this service is stopped, or the contract is breached or over the API might not be Available.

In that you might have to review or re design your code according to the requirements .

Risks:

HTTPS protected API without any authentication: The current API is free to use and open its not protected under HTTPS it will relay on the integration platform where its implemented in the application.

No rate limiting, or throttling implemented: As the current API there is not limiting, or throttling implemented this might cause some issues. And can be an issue.

Unencrypted payload: as Payload is unencrypted it can be accessed by 3rd party.

Issues: