

## Good API vs Bad API

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### Description

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### An Ideal API

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0) This API will be the best case scenario

1) Easy Setup - Can be with the help of the documentation and requires minimal extra steps

2) Clean and regular JSON/XML data

3) Tags return what they promise, a "dog breeds" tag gives me a list of dog breeds and not something else

4) Well written and up to date documentation

5) No limit or a high limit on calls per day (500 - 1000 would be good, 300 is workable if minimize your calls)

6) Reliable servers, where the owner of the servers will publicly advertise when down time happens

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### The Worst API EVER

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0) If you can check more than 70% of these boxes, it'd be a good idea to pivot from this API

1) TONS of Setup - can be done in 5 hours, requires several accounts, a key, authentication, and tons of special settings all at the same time.

2) Irregular Data - Structure of JSON that wouldn't be consistent

- 3) Tags that don't return what they seem to promise IE a list of Dogs breeds includes cats, trucks, and parrots
- 4) Poor/Dated Documentation - Several years old, okay fine, but if it's from the 90's ehhhh
- 5) An API that limits your calls per day: a limit of 500 would be hard to reach, 300 you'd have to ration, something like 100-50 you'd eat through rapidly. Ideally you'd find one with a high limit
- 6) Unreliable servers - their servers go down OR break each time there's an update or you sneeze

Worried about your API going down? Use this repo to do a back up of Json Data:  
<https://github.com/TommyWaalkes/APIBackup.git>

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