

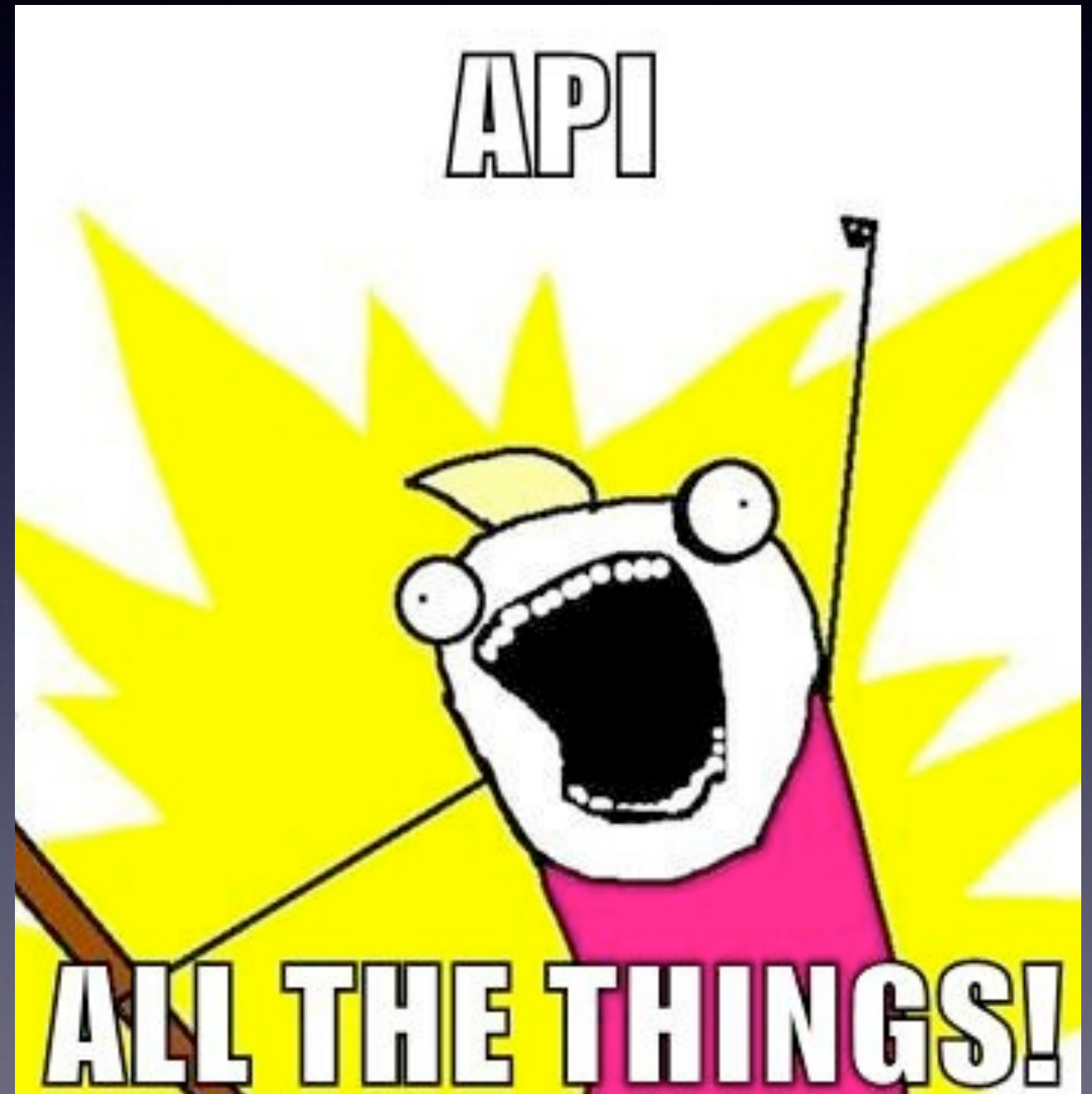
Runscope Automated API ~~Testing~~ *Magic*

or how Runscope can generate test data for you while
saving you time on testing

Little bit of potentially
unnecessary introduction

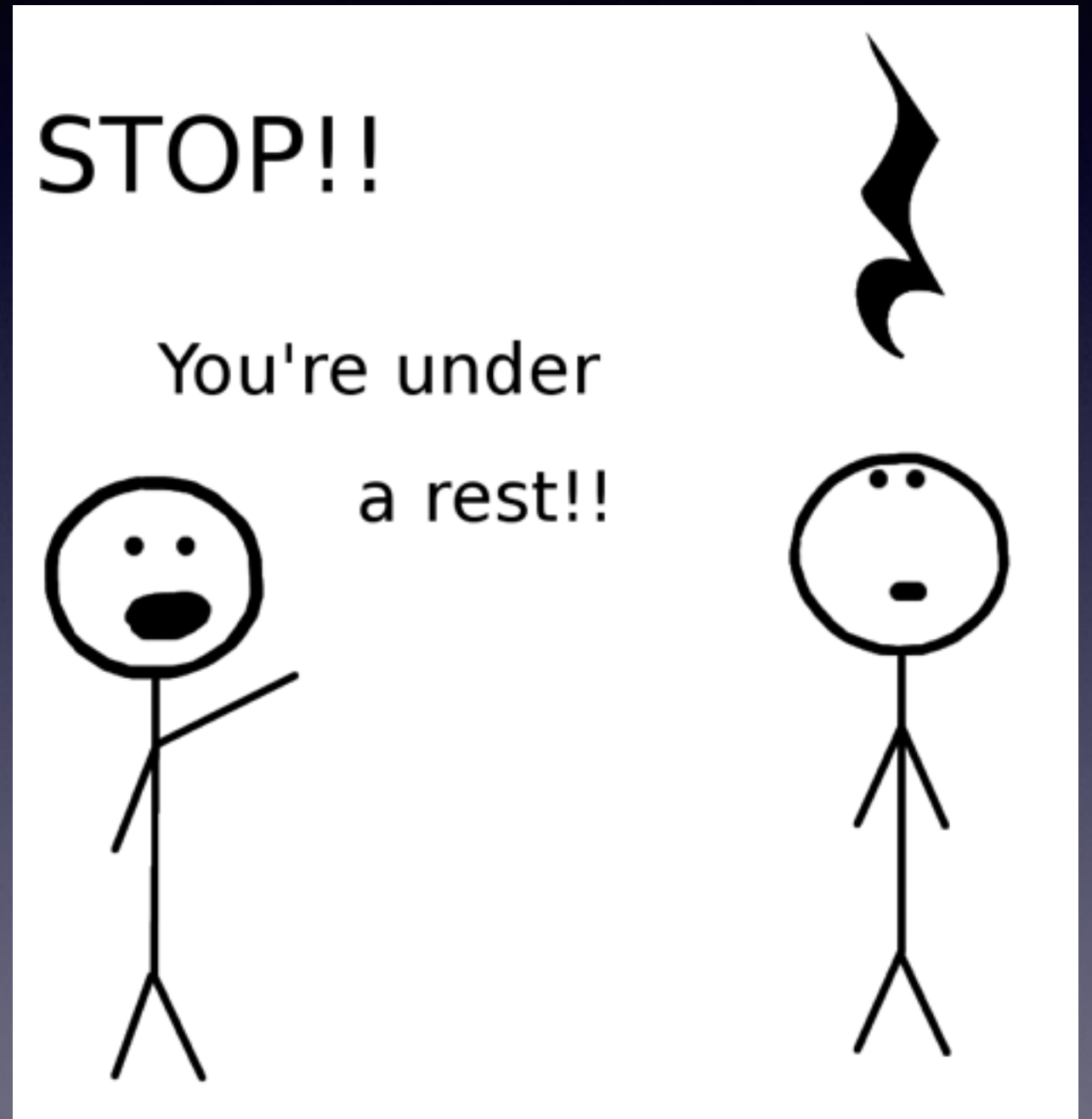
What's an API?

- Application Programming Interface
- It gives us all the data with none of the markup, css, javascript.
- One page may be made up of many API calls.



REST

- REpresentational State Transfer
- What's it mean?
 - A decent amount of hand wavy stuff.
 - Brass tacks: it's a convention for structuring urls.
 - Makes it easy to predict url structure because there are rules.



HTTP Verbs

- GET
- POST
- PUT
- PATCH
- DELETE



Examples

Request	Response
GET /pizza/	A list of pizzas
GET /pizza/10	Pizza #10
POST /pizza/	Makes a new Pizza, Pizza #11
POST /pizza/	Makes a new Pizza, Pizza #12
PUT /pizza/12	Changes Pizza #12, all fields required
PUT /pizza/13	Makes a new Pizza, Pizza #13, all fields required
PATCH /pizza/12	Changes Pizza #12, all fields are optional
DELETE /pizza/12	Pizza #12 is gone :(

URLs

https://foo:bar@api.osf.io:80/v2

scheme://username:password@host:port/path

HTTP Status Codes

- 2XX — Good
- 3XX — It's over there
- 4XX — It's an error and it's probably your fault
- 5XX — It's an error and it's probably the server's fault



418
I'm a teapot