

OPENAPI TREK

STARRING

ARNAUD

LAURET ^{AS}
@APIHANDYMAN

ALSO STARRING

APISTYLEBOOK.COM



**"WHAT IS THE OPENAPI
MADE OF?"**

Starfleet API

Get all informations about Starfleet

Fleet

Show/Hide | List Operations | Expand Operations

GET /starships

Gets all starships

Implementation Notes

The fleet

Response Class (Status 200)

A list of starships

Model | Example Value

```
[
  {
    "class": "Constitution",
    "code": "NCC-1701",
    "name": "Enterprise"
  }
]
```

THIS IS
SWAGGER UI
KEPTIN.

Fleet

Show/Hide | List Operations | Expand Operations

GET /starships

Gets all starships

Implementation Notes

The fleet

Response Class (Status 200)

A list of starships

Model Example Value

```
[
  {
    "class": "Constitution",
    "code": "NCC-1701",
    "name": "Enterprise"
  }
]
```


A man with dark hair, wearing a yellow Star Trek uniform, is seated at a control console. He is looking down at a device on the console. A speech bubble is positioned above him, containing the text "THERE'S SOMETHING BEHIND THIS UI CAPTAIN!". The background shows a blurred interior of a ship with red handrails and colorful lights.

THERE'S
SOMETHING
BEHIND THIS UI
CAPTAIN!

```
paths:
  /starships:
    get:
      tags:
        - Fleet
      summary: Gets all starships
      description: The fleet
      responses:
        200:
          description: A list of starships
          schema:
            type: array
            items:
              $ref: "#/definitions/Starship"
```

AN API
DESCRIPTION
FILE!



The OAI is focused on creating, evolving and promoting a vendor neutral API Description Format based on the Swagger Specification.



STARDATE 2015-11

A dark, starry night sky with numerous small, bright stars scattered across the frame. A white rectangular box is positioned at the bottom, containing the text "A BOUNDLESS GALAXY OF POSSIBILITIES" in a black, hand-drawn font.

A BOUNDLESS GALAXY OF POSSIBILITIES



"DESIGN TIME"

A close-up shot of a control panel from a science fiction setting. The panel is light grey and features a grid of 24 circular buttons in various colors (yellow, red, cyan, orange, green, blue, brown). To the left of the grid is a vertical red rectangular button. Below the grid are several larger buttons, including a prominent red one. A hand in a blue uniform sleeve is shown pressing the red button. The background is a solid green wall.

CAN BE CREATED AND USED BY MACHINES



BUT ALSO HUMANS, VULCANS AND KLINGONS

A man with short brown hair, wearing a yellow Star Trek uniform with a black collar, is shown in profile, smiling and looking up at a large green Gorn creature. The Gorn has a large, textured head with a prominent eye, a wide mouth with yellow teeth, and a red and gold patterned collar. The background is a rocky, outdoor setting.

AND EVEN GORNS



CREATED BY
HUMANS...

USED BY
MACHINES...

FASCINATING



AWESOME!!!!



YOU DIDN'T
RESPECT THE TEMPLATE?
YOU'RE TOAST!

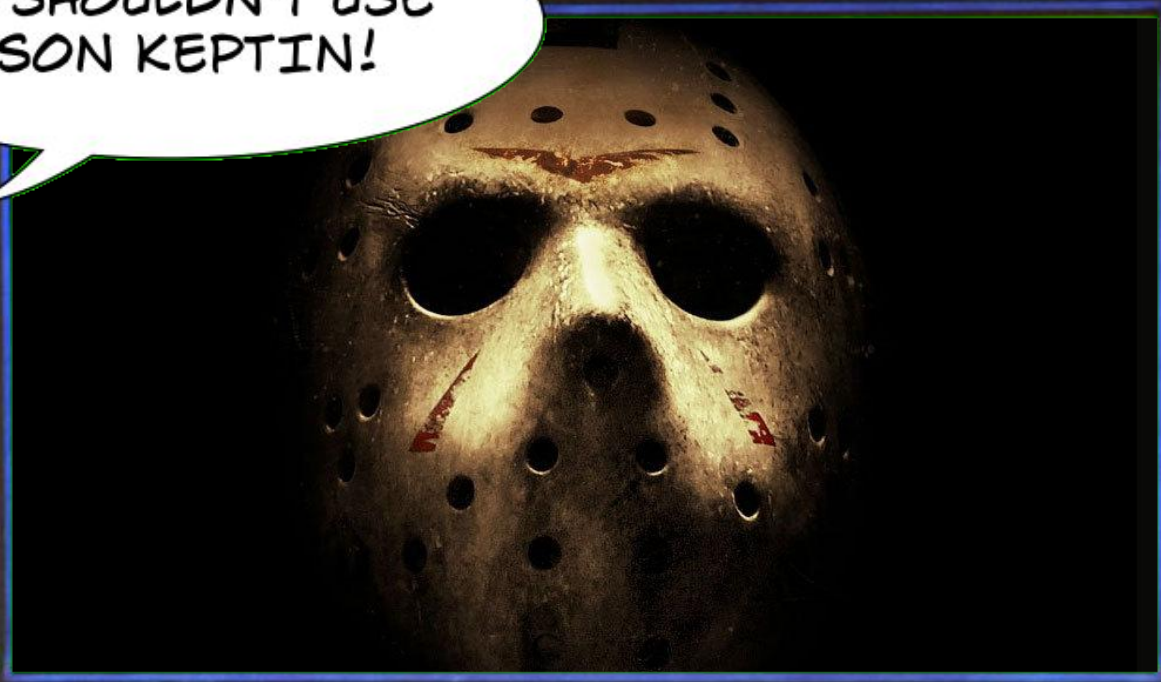
DON'T YOU
DARE PROPOSE A NEW
TEMPLATE!



AREN'T FIRED
TORPEDOES SUPPOSED TO HIT
THE ENEMY SHIP?

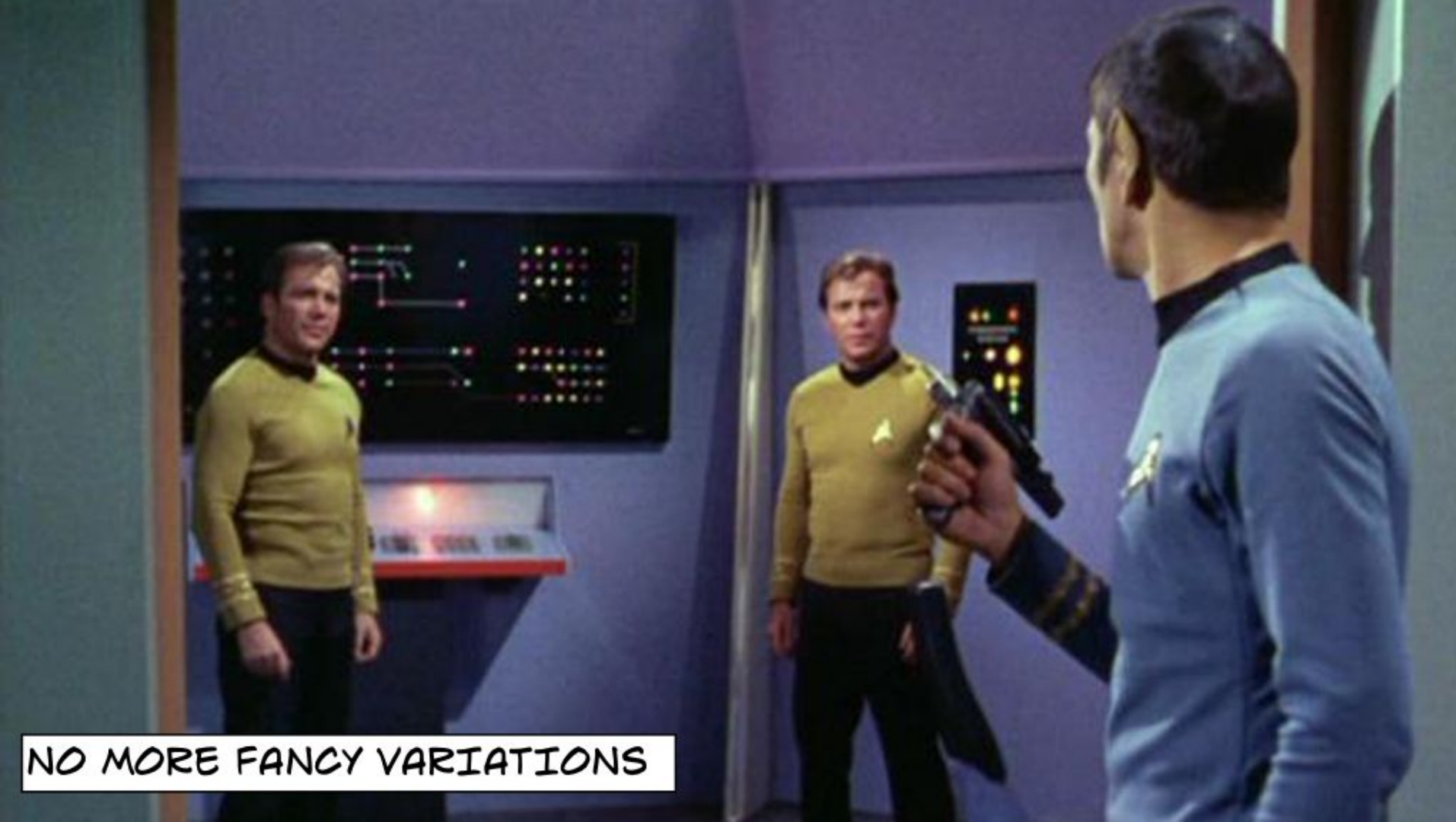


WE SHOULDN'T USE
JSON KEPTIN!



```
paths:
  /starships:
    get:
      tags:
        - Fleet
      summary: Gets all starships
      description: The fleet
      responses:
        200:
          description: A list of starships
          schema:
            type: array
            items:
              $ref: "#/definitions/Starship"
```

INDEED CHEKOV, YAML LOOKS BETTER.



NO MORE FANCY VARIATIONS

Error

✘ Swagger Error

Path parameter is declared but is not defined: EnemyShip

[Jump to line 21](#)

TORPEDOES
COULD HAVE HIT OUR
OWN SHIP!

ENEMYSHIP
PARAMETER IS
MISSING!

A man with dark hair, seen from the back, is wearing a light blue button-down shirt. He is sitting at a wooden desk, looking at a vintage computer monitor. The monitor displays a blurry, abstract image. Below the monitor is a computer case with a prominent orange and yellow striped pattern on its front panel. To the right of the computer case is a mouse. A white thought bubble with a black outline is positioned above the man's head, containing the text "DID I MISS ANYTHING?".

DID
I MISS
ANYTHING?



COMPUTER
RUN

```
prism run --mock \  
--spec api.yaml
```



**"THE DOCUMENTATION
MACHINE"**



THIS
DOCUMENTATION
IS HIGHLY
ILLOGICAL

MANY DIFFERENT RENDERINGS, KEPT IN.

The screenshot displays the Swagger UI for 'A Demo API' (Source: [Swagger 2.0]). The selected endpoint is 'GET /tools', which is described as 'Gets some tools'. The interface includes a search bar, a list of endpoints, and a 'View Results' button. The 'Sample Code' section shows a JavaScript snippet using jQuery's \$.ajax() to fetch data from 'http://localhost:4010/tools'. The 'Responses' section shows a 200 OK status. The JSON response is a list of tool items, each with a URL, ID, name, and type.

A Demo API Source: [Swagger 2.0] [README](#)

GET /tools [View Results](#)

Gets some tools [View Documentation](#)

Sample Code [Copy](#)

```
JavaScript NodeJS PHP Ruby
// Built by LucyBot. www.lucybot.com
var url = "http://localhost:4010/tools";
$.ajax({
  url: url,
  method: 'GET',
}).done(function(result) {
  console.log(result);
}).fail(function(err) {
  throw err;
});
```

Responses

HTTP Code	Description
200	OK

```
{
  "items": [
    {
      "URL": "http://localhost:4010/tools/88890",
      "id": "3FC39C1D88890",
      "name": "tempor",
      "type": "software"
    },
    {
      "URL": "https://localhost:4010/tools/0E6CE",
      "id": "CFAE346D0E6CE",
      "name": "ullanc",
      "type": "software"
    },
    {
      "URL": "http://localhost:4010/tools/35317",
      "id": "896867CF35317",
      "name": "velit",
      "type": "library"
    },
    {
      "URL": "https://localhost:4010/tools/21C7F",
      "id": "7C56A53B21C7F",
      "name": "do"
    }
  ]
}
```



**GIT PUSH IN
PROGRESS**

DOCUMENTATION CONTINUOUS DELIVERY



I'M AN
INTERNAL USER
JIM, NOT A
CUSTOMER!

ADAPTING DOCUMENTATION TO THE AUDIENCE AND CONTEXT



**"AND THE CODE SHALL
BE GENERATED"**



COOL
MUM!
A GENERATED
ICE-DK!

167-B

167-E

CODE SYNTHETIZER



THE
IMPLEMENTATION
I AM



I AM THE
SPECIFICATION

TESTING AND SYNCING



"CHARLY X-TENSIONS"

A man with short brown hair, wearing a green V-neck sweater with a black collar, is sitting in a room filled with many brown, furry creatures. He is looking towards the camera with a neutral expression. A speech bubble is positioned above him, and a text box is at the bottom of the image.

SO MANY
SOFT-WARES USE
THE OPENAPI
SPEC.

DESIGN, TESTING, MONITORING, DOC, CODE
GENERATION, BAAS, API GATEWAYS...

THE OPENAPI
SPECIFICATION IS
EXTENSIBLE KEPTIN!

```
paths:  
  /starships:  
    get:  
      tags:  
        - Fleet  
      x-unscore: 123  
      summary: Gets all starships  
      description: The fleet
```



**"THE TROUBLE WITH
POSSIBILITIES"**



CONFESS
YOUR SINS

FORGIVE ME, I
USED CAMEL CASE IN
SOME URL

OPENAPI, DESIGN AND DOCUMENTATION QUALITY CHECK

A group of Star Trek: Enterprise crew members are gathered around a man in a blue uniform who is partially visible on the right side of the frame. The man in blue is speaking. The group includes a man in a black uniform (Spock), a man in a blue uniform (T'Pol), a woman in a red uniform (Trip Tucker), and several other crew members. The background shows a futuristic control room with screens and a starry space view.

YOU
TOO, CAPTAIN.
FASCINATING.

SPOCK,
YOU LOOK...
DIFFERENT.

AVOID BREAKING CHANGE

A man with dark hair, wearing a light blue uniform with a black collar, is shown in profile, looking towards the right. He is holding a dark teapot. The background consists of a wall of lockers in shades of blue, purple, and orange. A speech bubble is positioned above him, containing text. A caption box is located in the bottom left corner.

DOES
ANYBODY USE 418
I'M A TEAPOT
STATUS?

OPENAPI LIBRARY

A man in a red Star Trek uniform stands in a doorway. He has his hands on his hips and a serious expression. A speech bubble above him contains the text "YOUR REQUEST SHALL NOT PASS".

YOUR
REQUEST SHALL
NOT PASS


TESTING AND SECURITY



"TO BOLDY GO..."



USE THE OPENAPI
SPECIFICATION TO LIVE
LONG AND PROSPER

A scene from Star Trek: The Next Generation showing a transporter effect. A man in a blue uniform is being transported, appearing as a shimmering, semi-transparent figure in the center of the room. Two other men in blue uniforms are visible: one in the foreground on the left, seen from behind, and another on the right, also seen from behind. The background features a large screen displaying a circular pattern, and the foreground shows the edge of a control console with various buttons and lights.

**A
apihandyman.io
PRODUCTION**

**STAR TREK CREATED BY
Gene Roddenberry**

**DON'T MISS NEW STAR TREK EPISODES
www.startreckcontinues.com**