

DEVOPSDAYS

ZURICH

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 grep.codeconsult.ch

images: Adobe Stock & Firefly, unless otherwise mentioned revision 2025-03-12





### Beautiful Simplicity

Examples

But how?





### Beautiful Simplicity













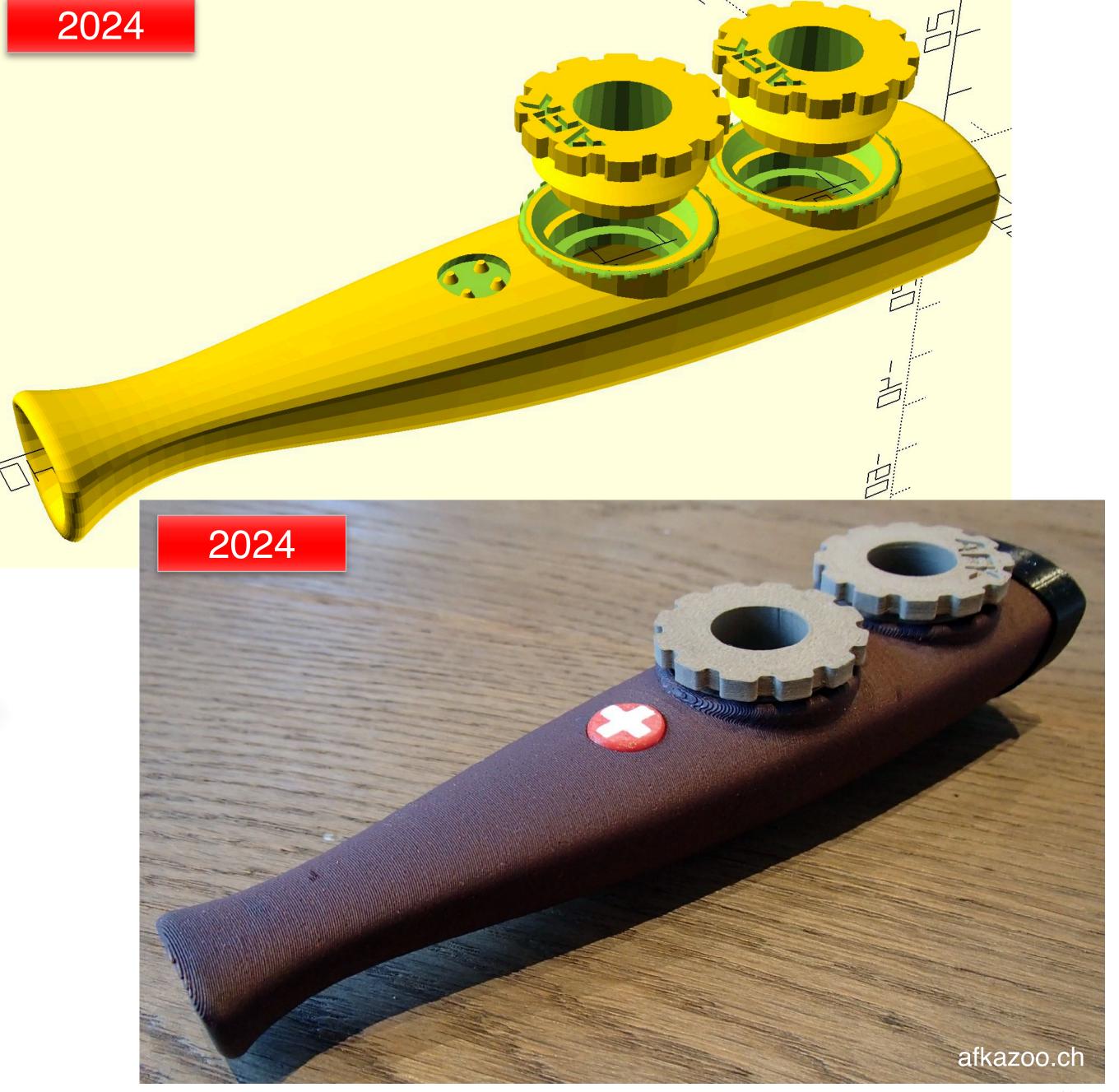




## Simple, but not simplistic..



DEVOPSDAYS ZURICH





### Simple, but not simplistic!

SPACE & PHYSICS

# Fact or Fiction?: NASA Spent Millions to Develop a Pen that Would Write in Space, whereas the Soviet Cosmonauts Used a Pencil















Splendid, efficient & appropriate simplicity



DEVOPSDAYS ZURICH



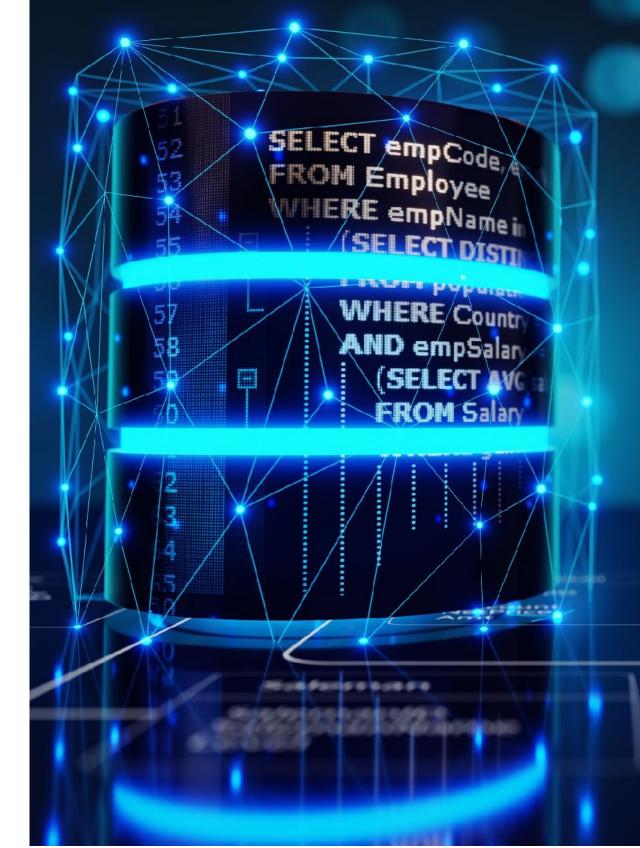
### Examples



### Continuous weather data acquisition?



A few hundred stations



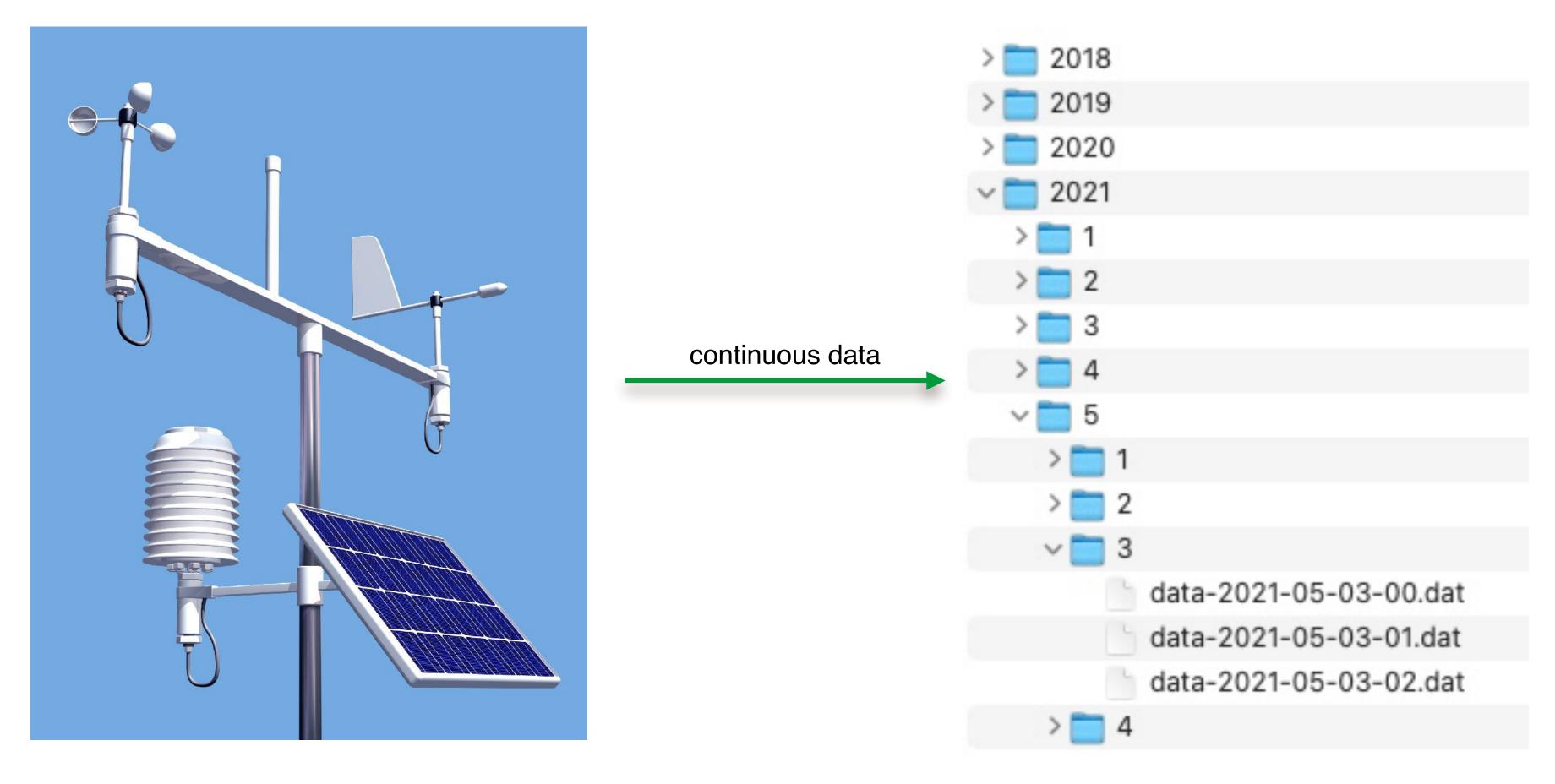
Simple storage & queries?





continuous data

### Continuous weather data acquisition!



A few hundred stations

Simple storage and queries: Chronological folders & files





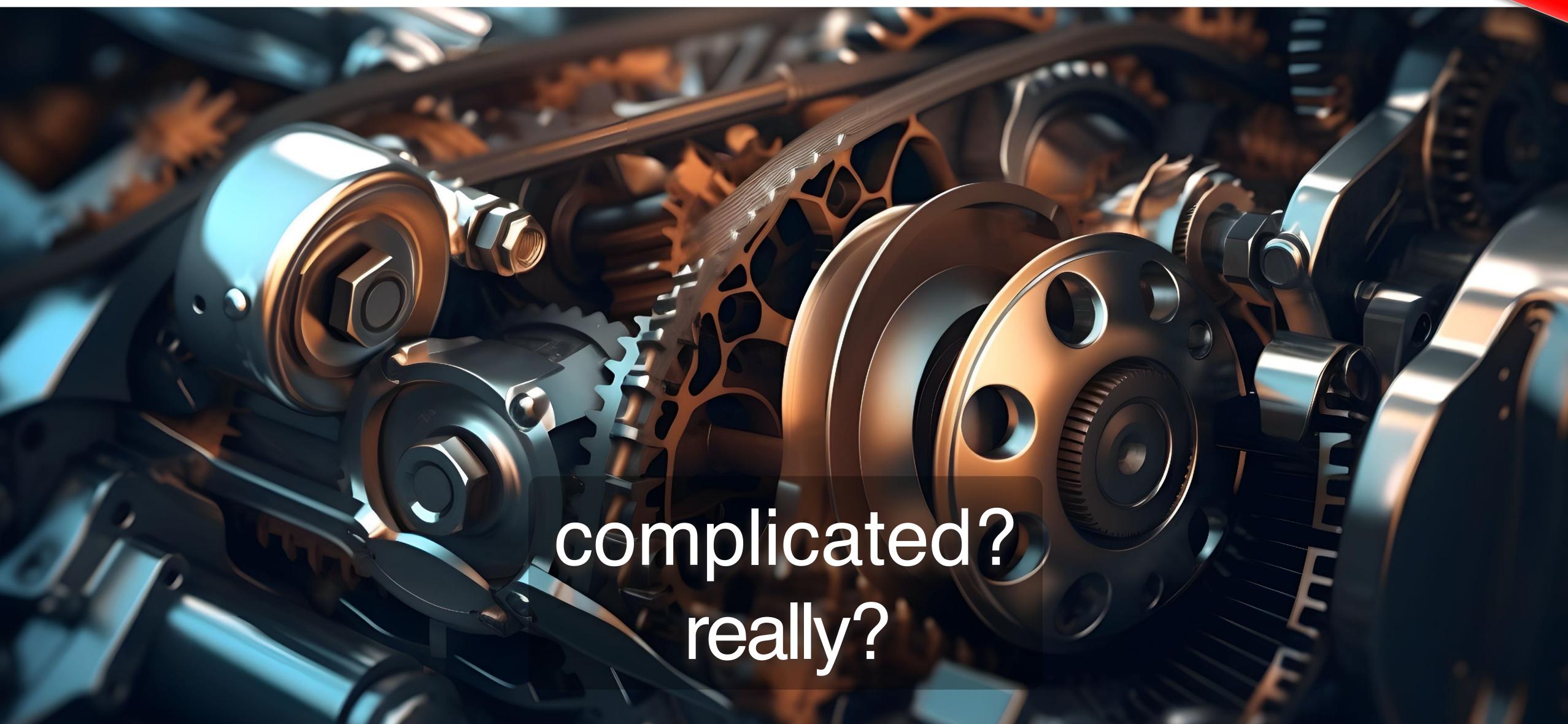
### Robust digital audio recording?





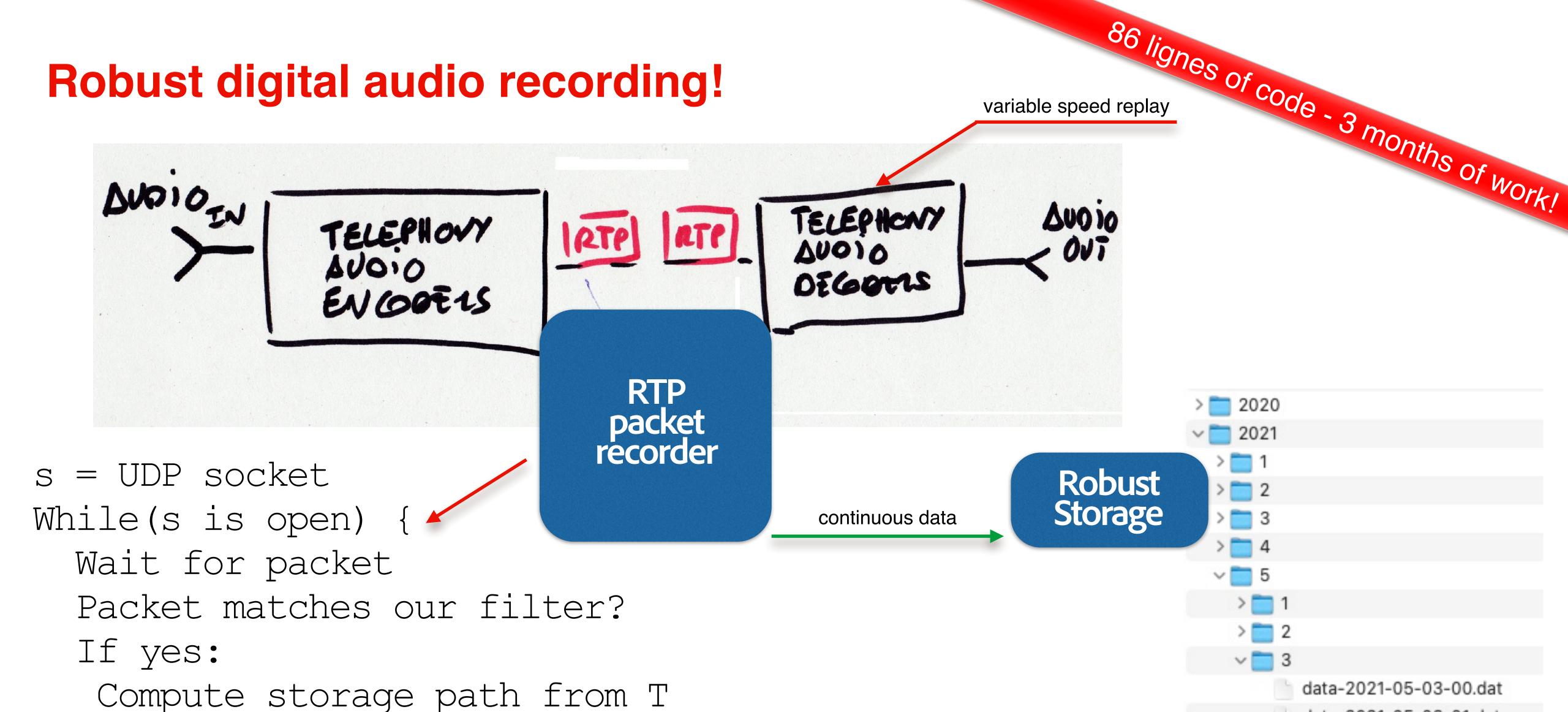


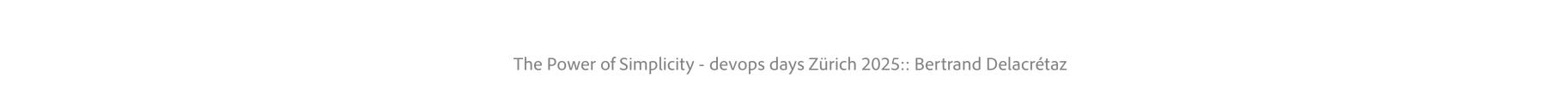
### Robust digital audio recording??











Append packet to storage file

DEVOPSDAYS ZURICH data-2021-05-03-01.dat

data-2021-05-03-02.dat

Adobe

### Web Components for a commerce page?

https://opensource.adobe.com/web-platform-zoo

Cart: 7 products, 38 items, USD 540 - Cart contents



Blue bottle

+ 3 -

USD 17:3 in cart → USD 51

This one is really blue



Symmetric knife

+ 11 -

USD 21:11 in cart  $\rightarrow$  USD 231

Not really, it's just marketing



**Fantastic bottle** 

+ 4

USD 19:4 in cart  $\rightarrow$  USD 76

This bottle is really fantastic



Super bread knife



USD 8:0 in cart → USD 0

Stainless steel, the works!



East white

+ 11 -

USD 5:11 in cart  $\rightarrow$  USD 55

Eastern is bestern



Soft South Red

+ 5 -

Soft but not weak!

USD 15:5 in cart → USD 75



Kitchen knife

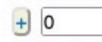
+ 2

USD 10:2 in cart → USD 20

A must for every kitchen



White from the South

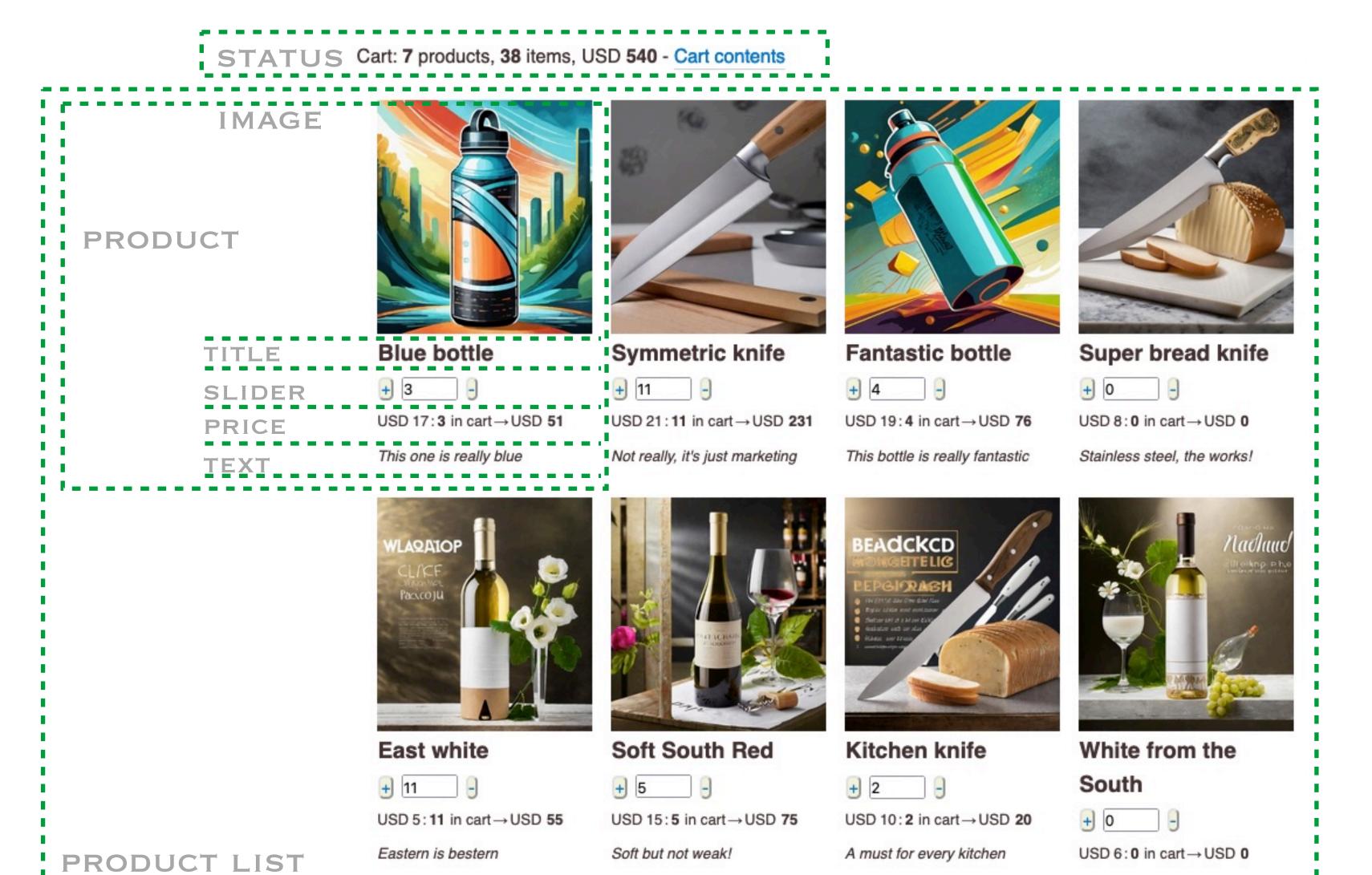


USD 6:0 in cart → USD 0



### Web Components for a commerce page?

https://opensource.adobe.com/web-platform-zoo



8 components?





### Web Components for a commerce page!

https://opensource.adobe.com/web-platform-zoo

STATUS Cart: 7 products, 38 items, USD 540 - Cart contents

A11Y STATUS (INVISIBLE)

simple but not simplistic!

4 + 1 components!



Blue bottle

INC-DEC

This one is really blue

HTML TEMPLATE



Symmetric knife

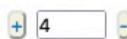
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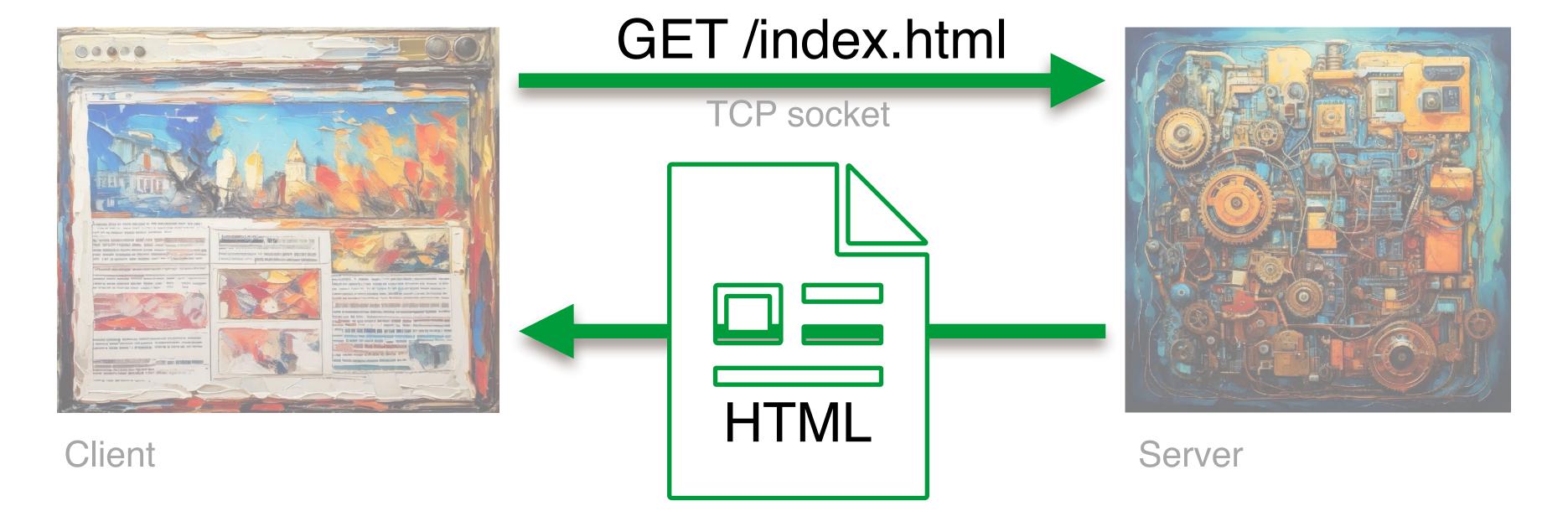


USD 6:0 in cart → USD 0





### HTTP 0.9, the Original Engine of the Web





### Adobe

### https://http.dev/0.9

The HyperText Transfer Protocol (HTTP) is a data communications protocol and acts as the foundation of the World Wide Web. It was released in 1991 and originally did not have a version number associated with it. Later, it was referred to as version 0.9 (HTTP/0.9) to distinguish it from future revisions.

### Table of Contents

- Request methods and usage
- Responses
- Example
- Takeaway
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### **Request methods and usage**

The sole HTTP request method available was HTTP GET, which only included a path to the resource. Unlike future revisions of the protocol, the full URL was not included because the protocol version, server, and port were redundant and therefore unnecessary after a connection was made. There was no support for HTTP header fields in the HTTP request.

### Responses

The HTTP response included only the requested resource, which was always a Hypertext Markup Language (HTML) file. There were no HTTP header fields in the HTTP response, and no HTTP status codes existed to indicate success, error, or otherwise. If an error occurred then the server will generate a situation-specific HTML file that the client will present to the user to describe the issue.

### Example

■ Request

Response

<html>
Welcome to the example.re homepage!

### Takeaway

HTTP/0.9 was the original release and it was extremely simple, supporting only the HTTP GET method. Only HTML files were included in HTTP responses, there were no HTTP headers, and there were no HTTP status codes.

### See also

- HTTP/1.0
- HTTP/1.1
- HTTP/2
- HTTP/3





### The quest of simplicity..







### Measure & Evaluate



It seems that perfection is achieved not when there is nothing more to add, but when there is nothing more to take away.

Antoine de Saint-Exupéry



### **Definition of Done**



### Is there anything left to remove?

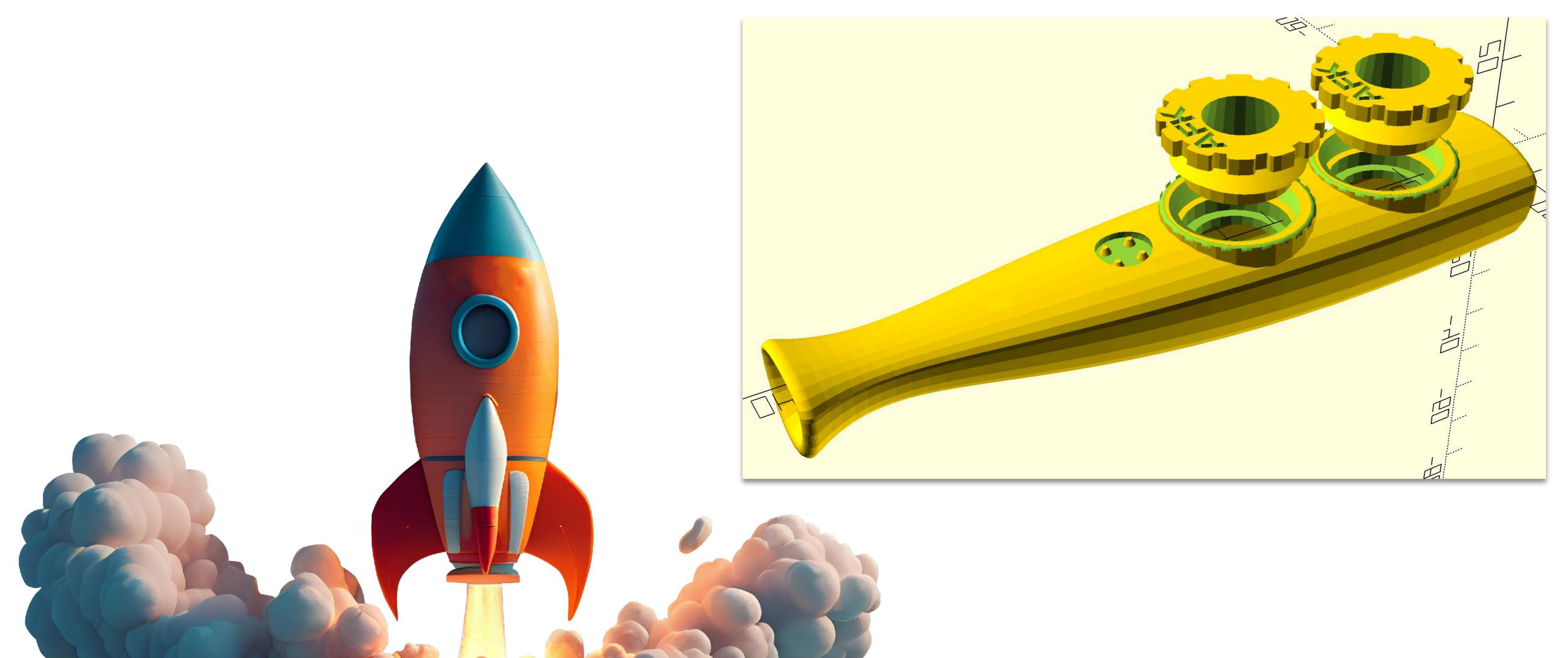












Simple, but not simplistic

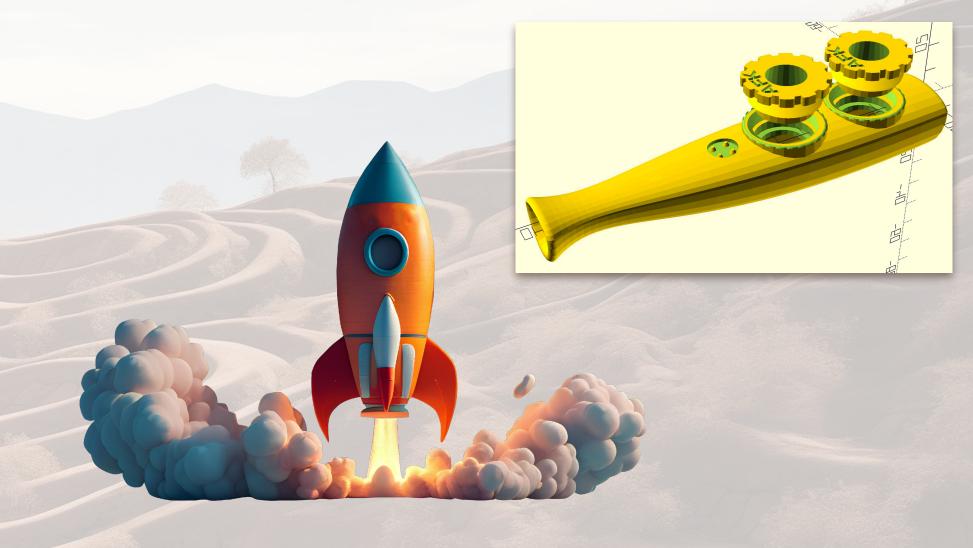


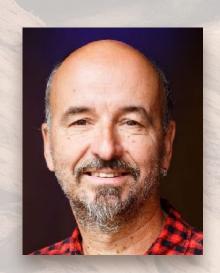


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## IMPLICITY? IMPORTANT, HARD, INTEGRABLE!





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