OPENAPI DOES WHAT SWAGGER DON'T

IMPROVED STRUCTURE:



Altered Specification



The Revenge of Consistency

IMPROVED HOSTING:



Mortal Servers

IMPROVED DOCUMENTATION:

IMPROVED SECURITY:



Streets of Security II

IMPROVED CONTRACT:



Data Force IV



After Event II



Phantasy Examples II



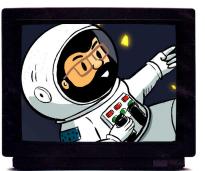
Shining Documentation

API Handyman does what Arnaud Lauret does

ME:



Arnaud Lauret



@apihandyman

MY COMPANY:



Postman



Open Technologies

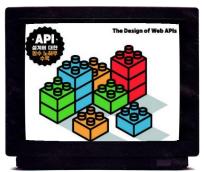
MY BOOK:



The Design of Web APIs



Web APIの設計



웹 API 디자인



ПРОЕКТИРОВАНИЕ ВЕБ-АР

The reference: Sega vs Nintendo 90s rivalry

WHAT NINTENDON'T.







Michael Jackson's Moonwalker"

E-SWAT"

SPORTS GAMES:



Joe Montana Football"





The Sword of Vermilion"



Pat Riley Basketball"

STRATEGY GAMES:



James "Buster" Douglas Knockeut Bexing"

ACTION GAMES:



Get the hottest new video games going. Arcade, sports, adventure, strategy and action hits available only on the 16-bit Genesis System by Sega."

Today's latest blockbuster arcade hits like Super Monaco GP." Climb into the cockpit of the world's fastest Grand Prix machines as you race wheel to wheel through the streets at over two-hundred miles per hour. Or take on the evil villain Mr. Big in Michael Jackson's Moonwalker" as you use dance-kicks, hattricks and finally transform into a powerful robot that does it all. Or become a Cybercop in E-SWAT" and clean up the city besieged by mad terrorists.

Get ready for the most action-packed sports games ever. In Joe Montana Football," check out the defense, make the call, fake a pass and scramble for a touchdown. Or force your opponent to move inside your left hook and nail him with an uppercut that puts him on the mat in James "Buster" Douglas Knockout Boxing." Or in Pat Riley Basketball," get the ball with seven seconds left in the game, drive the length of the court, slam-dunk and draw the foul which you make to break the tie.

In The Sword of Vermilion," make your way through 14 towns and 14 mazes in this adventure thriller where encounters with the evil demons are played in real time on the hand controller. And dazzle your friends with your skills on the puzzle game Columns." Or become the ultimate

commando warrior in Dynamite Duke" as you blast the enemy from an overyour-shoulder first person view.

There's only one true 16-bit system and it's got the hottest video game hits going. You can only play these on Genesis by Sega. Genesis does what Nintendon't.

Sup of Territoria, Inc. C 690 Sup of America, Inc. PC Sup 395 Sup of America, Inc. PC Sup 395 Sup 095 Sup 095



Puts you in control.

The new SUPER NES CONTROL SET gives Mario Paint (sold with the new Super NES you the ultimate power of choice. We've given Mario a break by taking the Game Pak out of the package and lowered the price to put the control where it belongs -- with you! So the question arises: Which game will you buy first? How about the arcade sensation Street Fighter II? It's a knock out! Are you into art?

Mouse) may be just the ticket. How about the new epic Legend of Zelda game? F-Zero? Final Fantasy II? Are your sights set on the amazing Super Scope 6? The choice is yours. And with a price tag of only \$99.99* lookin you in the face, how can you refuse? Exercise your power to choose, CHOOSE CONTROL!



Make your choice from over 125 Super NES games planned for release by the end of the year.



* Suggested retail price.

Previously in the APIverse

Eureka! Swagger 2.0

urns a user based on a single ID, if the user does not

Hopefully, it was at that time that Swagger 2.0 was released with the YAML editor and its tools. Thanks to this new of only generated Swagger UI.

tools using it.

default

Try this operation

unexpected error

Starting a Swagger journey beyond generated Swagger UI

By Arnaud Lauret, October 7, 2015

Writing OpenAPI (Swagger) Specification Tutorial Series - Part I

Introduction

By Arnaud Lauret, March 2, 2016

Previously in the APIverse...

Since I started my Swagger journey, there have been some changes. The Swagger Specification has been donated to the newly created OpenAPI Initiative under the Linux foundation and is reborn as the OpenAPI Specification.

Therefore, my Swagger Journey will become an OpenAPI Specification (fka Swagger Specification) Journey.

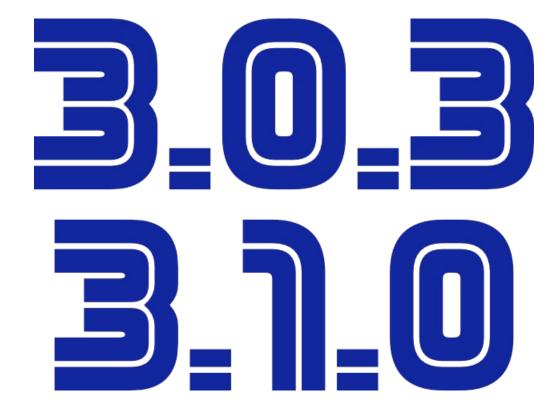
message: string *

It's not Swagger vs OpenAPI



SWAGGER 2 OPENAPIB

2 versions of OpenAPI 3



Bonus Level

Big thoughts for 4.0 #2930

darrelmiller started this conversation in Enhancements



darrelmiller on May 5

Maintainer

edited by webron + ···

We would like to take an opportunity to discuss what might be some big, radical changes that could be done in a 4.0 version that would address issues with OAS that we have not been able to address with past changes.

Let us know what major changes you think would make a significant improvement to the way you describe your APIs.

Updated request: Since we converted the issue to a discussion, it allows us for better threaded and voting capabilities for different ideas. If you have several suggestions, consider separating to separate replies so those could be considered individually.





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After Event II

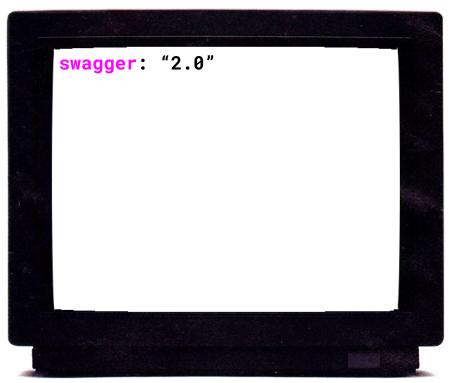


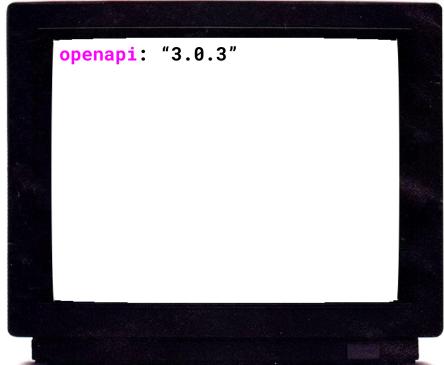
Phantasy Examples II



Shining Documentation

Altered Specification (version)





Altered Specification (reusable components)

```
swagger: "2.0"
info: ...
paths: ...
definitions: ...
parameters: ...
```

```
openapi: "3.0.3"
info: ...
paths: ...
components:
     schemas: ...
     parameters: ...
```

The Revenge of Consistency (all data defined the same way)

```
swagger: "2.0"
paths:
  /resources/{resourceId}:
    parameters:
      - name: resourceId
        type: string
definitions:
 # Only for bodies
```

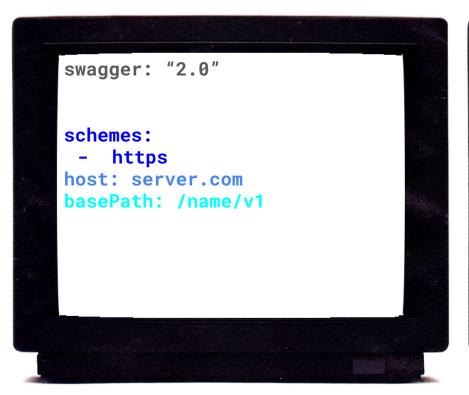
```
openapi: "3.0.3"
paths:
  /resources/{resourceId}:
    parameters:
      - name: resourceId
        schema:
           $ref: .../schemas/id
components:
  schemas:
    # For all data
```

The Revenge of Consistency (more reusable components)

```
swagger: "2.0"
definitions: ...
parameters: ...
responses: ...
securityDefinitions: ...
```

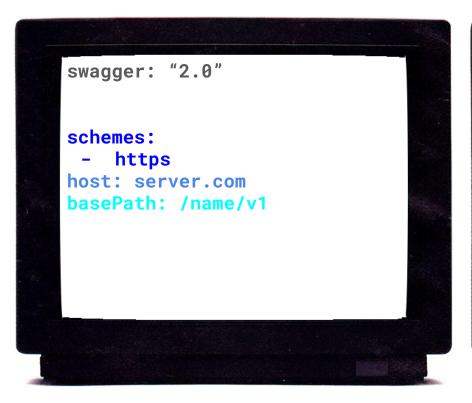
```
openapi: "3.0.3"
components:
  schemas: ...
  parameters: ...
  requestBodies: ...
  responses: ...
  securitySchemes: ...
  examples: ...
  headers: ...
```

Mortal Servers (multiple servers)



```
openapi: "3.0.3"
servers:
- description: production
  url:
   https://server.com/name/v1
- description: mock
  url:
   https://mock.com/name/v1
```

Mortal Servers (path level servers)



```
openapi: "3.0.3"
servers:
paths:
  /resources:
    servers:
```

Mortal Servers (server variables)

```
openapi: "3.0.3"
servers:
- description: production
  url:
   https://server.com/name/v1
- description: mock
  url:
   https://mock.com/name/v1
```

```
openapi: "3.0.3"
servers:
- description: production
  url:
   https://{type}.com/name/v1
  variables:
    type:
      enum:
     server
     - mock
```

Streets of Security II (enhanced and new security modes)

```
swagger: "2.0"
securityDefinitions:
  # Basic Authentication
  # API Key (query, header)
  # Oauth2
```

```
openapi: "3.x.x"
components:
  securitySchemes:
   # HTTP (Basic, Bearer)
   # API Key (query, header,
                      cookie)
   # Oauth 2 (fixed)
   # OpenId Connect
   # Mutual TLS (3.1)
```

Data Force IV (more versatile schemas)

```
swagger: "2.0"
definitions:
# JSON Schema Draft 4 (mod)
```

```
openapi: "3.0.3"
components:
  schemas:
   # JSON Schema Draft 5 (mod)
   # Notable enhancements
   # oneOf, anyOf, not
   # writeOnly
```

Data Force IV (choose your JSON Schema)

```
swagger: "2.0"
definitions:
# JSON Schema Draft 4 (mod)
```

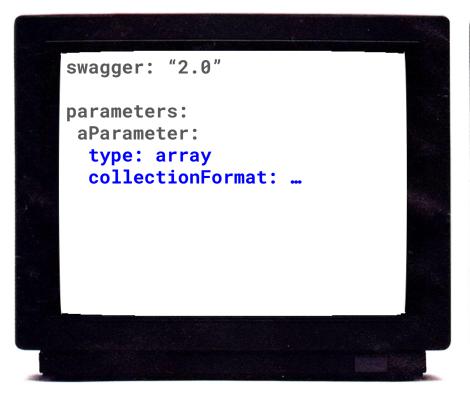
```
openapi: "3.1.0"
components:
  schemas:
   # Default: JSON Schema
              Draft 2020-12
   # Overridden by
   # jsonSchemaDialect
```

Data Force IV (enhanced content negotiation)

```
swagger: "2.0"
# 1 schema for all media types
paths:
  /resources:
    get:
      produces:
       - application/json
       - application/linkset+json
      responses:
       200:
         schema:
```

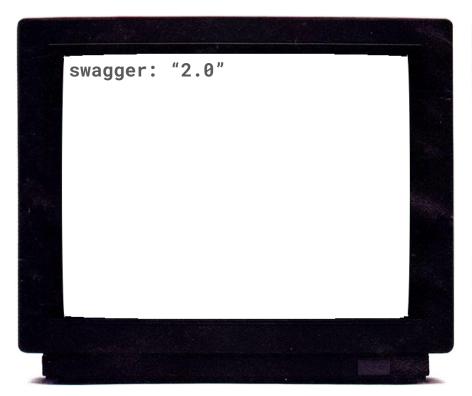
```
openapi: "3.0.3"
# Specific schemas for each
paths:
  /resources:
    get:
      responses:
        200:
          content:
             application/json:
               schema: ...
             application/linkset+J
               schema: ...
```

Data Force IV (enhanced parameter/header serialization)



```
openapi: "3.0.3"
components:
  parameters:
    aParameter:
     # array or object
     style: ...
     explode: ...
```

After Event II (webhooks & callbacks)



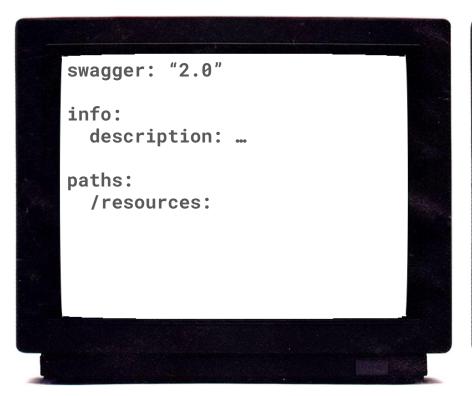
```
openapi: "3.x.x"
paths:
  /resources:
    post:
      callbacks: # 3.0
webhooks: # 3.1
  /events:
    post: ...
```

Phantasy Examples II (multiple examples)

```
swagger: "2.0"
# Example only on bodies
example:
# single undocumented
# example
```

```
openapi: "3.0.3"
  Examples on bodies,
# parameters, headers
examples:
  anExample:
    summary: ...
    description: ...
    value: ...
    # or
    externalValue: ...
```

Shining Documentation (more summaries and descriptions)



```
openapi: "3.1.0"
info:
  summary: ...
  description: ...
paths:
  /resources:
    summary: ...
    description: ...
```

Thank you and goodbye Swagger 2

USE OPENAPI 3 NOW AND GET ALL OF ITS EXCLUSIVE NEW FEATURES FREE.

The path to OpenAPI 3 upgrade

USE OPENAPI 3 NOW AND GET ALL OF ITS EXCLUSIVE NEW FEATURES FREE (almost).

The path to OpenAPI 3 upgrade







The (degraded) path to OpenAPI 3 upgrade

OpenAPI 3.x documents with 2.0 support in mind

Use 3.x with compatible tools

Downgrade 3.x to 2.0 for non compatible tools

How to speed-up adoption of new versions?

How to speed-up adoption of new versions?

SPECIFICATION SUPPORTED OPEN SOURCE TOOLS VENDOR SUPPORTED OPEN SOURCE TOOLS

How to speed-up adoption of new versions?

NO/SLOW/BACKWARD COMPATIBLE NEW VERSIONS?

YOUR WORLD WILL NEVER BE THE SAME.



Genesis' 16-bit. The ultimate dimension in game play.

For the first time, the powerful technology used in arcade games has come home to let you play games that look, sound and play exactly blee they do in the arcade.

Genesis brings games alive with vivid high-definition graphics. Voices. sounds and music so true they turn the game into a reality you can feel. Pug in a pair of headphones for stereo sound that surrounds you. And soon, with the TeleGeness" modern, you'll be able to play against friends in other cities. Or across town.

The incredible reality of Genesis could only be brought to you by Segs? the master of areade encorrainment. Creator of areade blockbosters like Our Run," Altered Bess," Thurder Blade," Afterburner," Zanon" and Shrots"

The power has been unleashed. The adventure begins. And this is just the beginning of the Genesis era.



Secont



Forgetten World





Thunder Force II



Arnold Palmer



Holio Fighter





And more to come.



Last Battle"