

# Easy REST with OpenAPI

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# ZWEIDENKER GmbH

- 10 years old
- Software solutions for mobile, web and backend-only, too
- Pharo usage is growing steadily
- In cologne and organizing this year's ESUG

**REST**



**There is no cloud**  
**It's just someone else's computer**

# REST

**RE**presentational

**S**tate

**T**ransfer

# REST

- It uses HTTP

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# REST

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- It is resource based
- It is not RPC
- ~~It's about hyper media~~

# REST usually means

- Extract and validate parameters from request
- Checking constraints of payload
- Produce documented response

# JSON Schema

```
{
```

```
  #name -> (JSONSchema string).
```

```
  #age ->   (JSONSchema integer)
```

```
} asJSONSchema
```

# OpenAPI Spec

...

```
"/pets/{petId}" : {  
  "get" : {  
    "summary" : "A call to acquire a pet",  
    "operationId" : "fetchPet",  
    "parameters" : [  
      {  
        "name" : "petId",  
        "in" : "path",  
        "schema" : {  
          "type" : "integer"  
        }  
      }  
    ],  
    "responses" : {  
      "200" : {  
        "content" : {  
          "application/json" : {  
            "schema" : ...  
          }  
        }  
      }  
    }  
  }  
}
```

**DEMO**

# OpenAPI

- Specify Calls and data constraints
- Serialize to JSON spec
- Can be consumed by a client to automatically create spec conform requests

Questions?

# OpenAPI

**Try**

<https://github.com/zweidenker/OpenAPI>

**Complain to**

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