RAML

OLA DEIBITSCH

2015-01-28 | CALLISTAENTERPRISE.SE

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– ENTERPRISE –

PROBLEM – RECAP…

SOAP/WSDL
Complex
Structured

REST/RAML
Simple
Structured

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RAML BY THE RAML WORKGROUP – RECAP…

"*RESTful API Modeling Language (RAML) is a **simple** and **succinct** way of describing practically-RESTful APIs. It encourages **reuse**, enables discovery and pattern-sharing, and aims for merit-based emergence of **best practices**. The goal is to help our current API ecosystem by solving immediate problems and then encourage ever-better API patterns. RAML is built on broadly-used standards such as YAML and JSON and is a non-proprietary, **vendor-neutral** open spec.*", ***www.raml.org***

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RAML TOOLING – REVISTITED…

SoapUI RAML Plugin

JAXRS-to-RAML

RAML to HTML

RAML2Wiki

RAMLang

APIkit

Osprey

ATOM RAML Package

RAML for JAXRS

RAML Sublime Plugin

API Designer

swagger2raml

Restlet Studio

…

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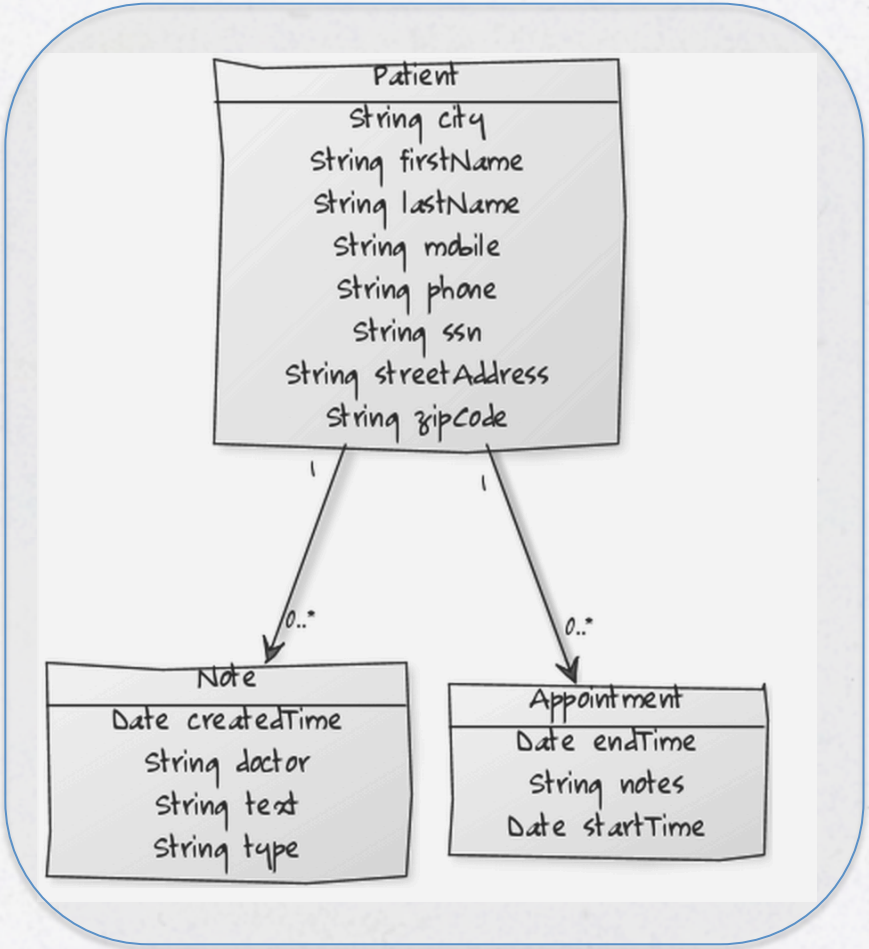
REQUIREMENTS: CALLISTA CARE API – RECAP…

- Resources:
  - /patients
  - /patients/{patientId}
  - /patients/{patientId}/notes
  - /patients/{patientId}/appointments
  - …
- Verb
  - Get/Post/Put/Delete…
- Metadata
  - Authorization Header
  - Filtering
- Representations:
  - JSON, XML, ?.



CALLISTA CARE API - RECAP

```
#%RAML 0.8
title: Callista Care
version: v1
documentation:
  - title: Getting started
    content: |
      A kickstart with [Callista](http://callistaenterprise.se) Care API by using describing our API
       ***MARKDOWN SYNTAX!!!***

      Text attributes *italic*,
      **bold**, `monospace`.
  - title: Security
    content: !include callista-care-api-security-documentation.md
/patients:
  description: A collection of patients.
  get:
    description: Get a collection of patients.
    queryParameters:
      ssn:
        displayName: SSN (Social Security Number)
        description: Filter by SSN
        example: 191212121212
    headers:
      Authorization:
        type: string
        description: Basic *Authorization* header
        example: |
          Authorization: Basic QWxhZGRpbjpvcGVuIHNlc2FtZQ==
    responses:
      200:
        description: OK
        body:
          application/json:
            example: !include example/patients.json
  post:
    description: Create a patient.
    body:
      application/json:
        example: !include example/patient.json
    responses:
      201:
```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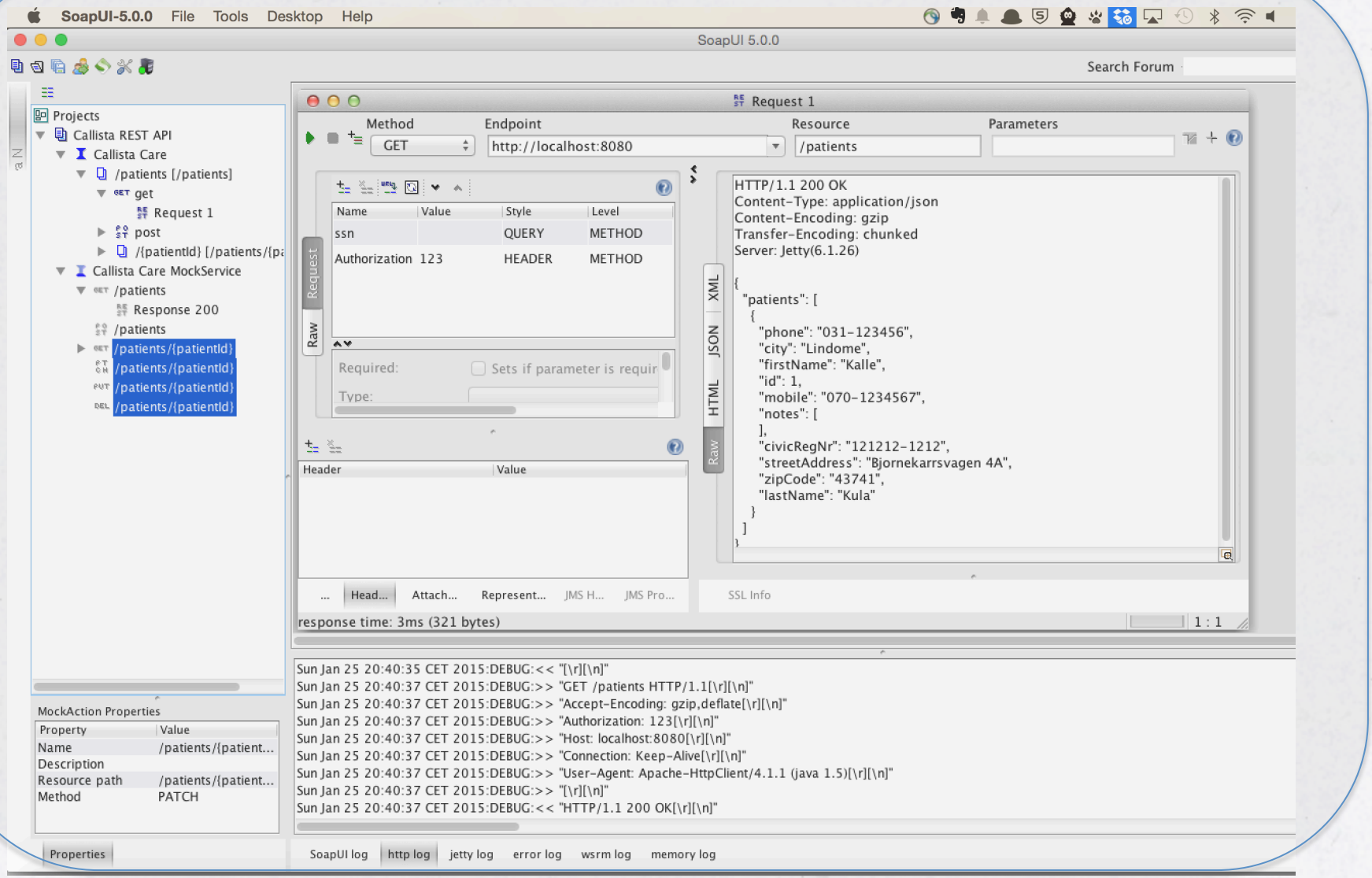
RAML TOOLING – SOAPUI RAML PLUGIN - DEMO



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RAML TOOLING – RAML2HTML- DEMO

/patients

Callista Care API documentation version v2

Getting started

A kickstart with Callista Care API by using describing our API with ***MARKDOWN SYNTAX!!!***

Text attributes *italic*, **bold**, `monospace`.

Shopping list:

- apples
- oranges
- pears

Security

yada yada...

/patients

A collection of patients.

/patients	GET POST
/patients/{patientId}	GET PATCH PUT DELETE

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RAML 1.0

RAML 1.0 spec is out and waiting for feedback!

See https://github.com/raml-org/raml-spec/milestones/v1.0

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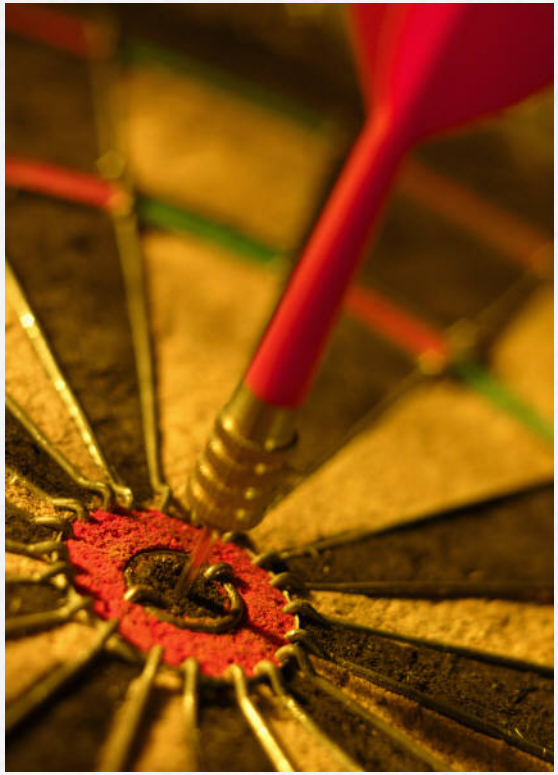
SUMMARY

- API Explosion
- It is clear that we need a modeling language!!
- RAML is a clean, simple and contract-first development approach.
- Tool support begins to mature…
- Slowly, we begin to see momentum…
  …and RAML 1.0 is upcoming…



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