

HATEOAS

Aplicació "tradicional"

POST /adminPersona?operacio=elimina&id=6

- La URL no representa cap recurs.
- sembla molt més un mètode (programàtic) que un recurs
- La operació ha d'estar al mètode HTTP

Roy Thomas Fielding - 2000

**Architectural Styles and
the Design of Network-based Software Architectures**

REST - Representational State Transfer

Estil "arquitectònic" que restringeix la forma d'interactuar via la web

Bàsicament respectar els conceptes fonamentals del protocol HTTP:

- Una URL és un recurs
- Cada mètode HTTP té un significat concret
- Cada status code té un significat concret

...

NO

POST /adminPersona?operacio=elimina&id=6

SÍ

DELETE /persona/6

MATURITY MODEL

Level 0

Level 1 - Resources

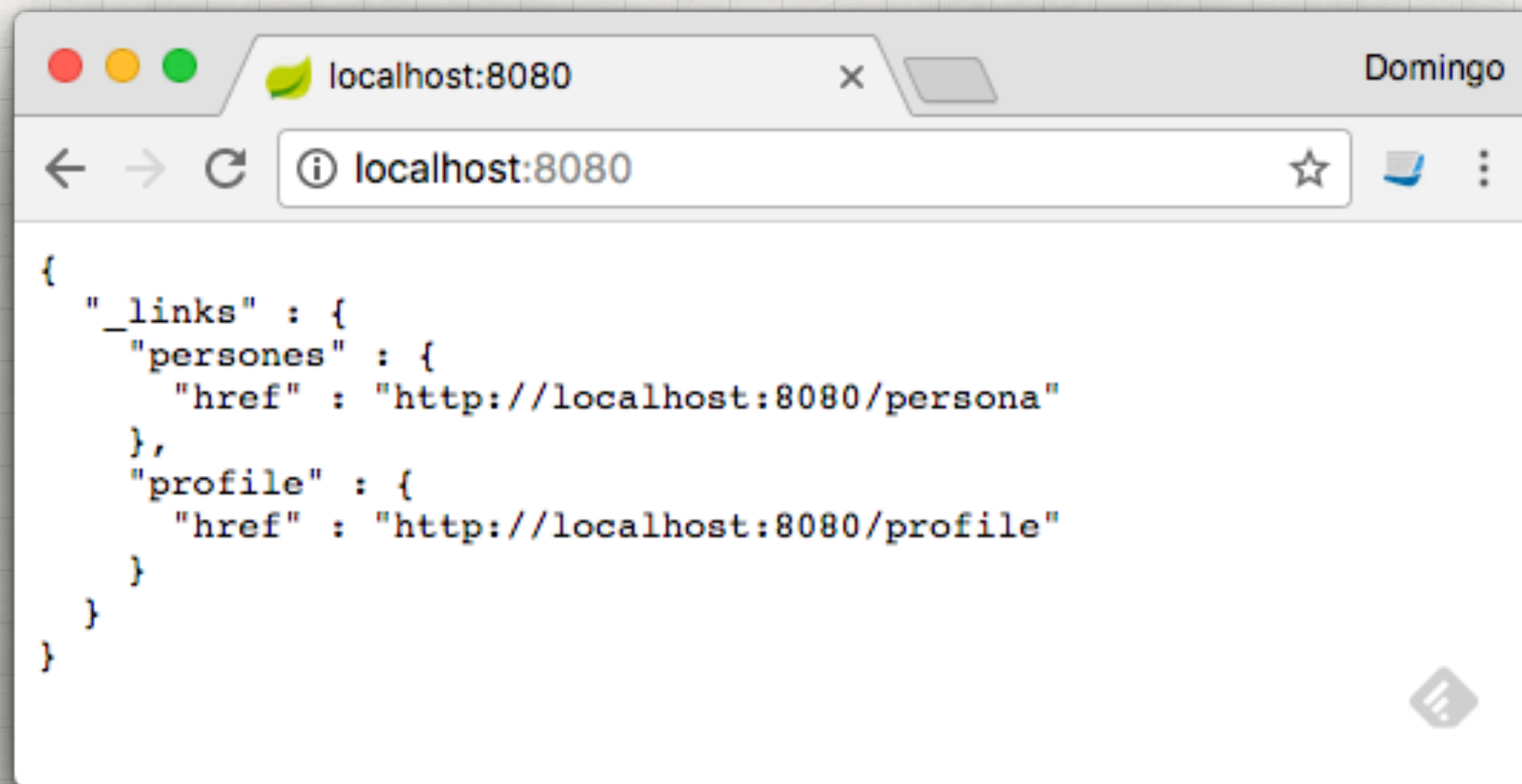
Level 2- HTTP Verbs

Level 3 - Hypermedia Controls

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fa befa de SOA: Service Oriented Architectures

Hypermedia As The Engine Of Application State




```
1 {
2   "alps" : {
3     "version" : "1.0",
4     "descriptors" : [ {
5       "id" : "persona-representation",
6       "href" : "http://localhost:8080/profile/persona",
7       "descriptors" : [ {
8         "name" : "nom",
9         "type" : "SEMANTIC"
10      } ]
11    }, {
12      "id" : "create-persones",
13      "name" : "persones",
14      "type" : "UNSAFE",
15      "rt" : "#persona-representation"
16    }, {
17      "id" : "get-persones",
18      "name" : "persones",
19      "type" : "SAFE",
20      "rt" : "#persona-representation"
21    }, {
22      "id" : "delete-persona",
23      "name" : "persona",
24      "type" : "IDEMPOTENT",
25      "rt" : "#persona-representation"
26    }, {
27      "id" : "get-persona",
28      "name" : "persona",
29      "type" : "SAFE",
30      "rt" : "#persona-representation"
31    }, {
32      "id" : "patch-persona",
33      "name" : "persona",
34      "type" : "UNSAFE",
35      "rt" : "#persona-representation"
36    }, {
37      "id" : "update-persona",
38      "name" : "persona",
39      "type" : "IDEMPOTENT",
40      "rt" : "#persona-representation"
41    } ]
42  }
43 }
```

ALPS - Application Level Profile Semantics

Operacions que podem
fer sobre l'entitat persona
i les seves característiques