

# Active ナントカ

ActiveFoobar - client library

**@tkawa**

# Background

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- I'm doing with REST
- I'm a Rubyist and a Rails developer
- I'm reading “RESTful Web APIs” in the group
  - It's exciting and high ideal
  - But, client side is not covered
  - Even with a server implementation, we can't use it without a client implementation
  - I want to implement a client with Ruby

せっかくなのでActiveResourceを使ってみたいと思ったけど、インターフェイスがだいぶ違いそう。そもそもリソース指向ではない

# Keyword

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## 「意味を表す名前」 Names that describe semantics

- 値の意味を表す名前 (Semantic Descriptor)
- リンクの意味を表す名前 (Link Relation)

```
<!-- http://example.com/people/135 -->  
<span class="name">Toru Kawamura</span>  
Member of <a href="/organizations/32"  
rel="member_of">Sendagaya.rb</a>
```

name → <http://schema.org/name>

member\_of → <http://schema.org/memberOf>

# Imagine...

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```
person =
Person.find('http://example.com/people/135')
# fetch http://example.com/people/135
# => <ActiveNantoka::Person>
person.items_for('http://schema.org/name')
# => ["Toru Kawamura"]
person.links_for('http://schema.org/memberOf')
# fetch http://example.com/organizations/32
# => [<ActiveNantoka::Organization>]
```

「標準語彙名(standard vocabulary)」で値やリンクを取得できる

リンクは `has_one/has_many` 的リレーションに

# What is it worth?

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## 典型的な「ad-hoc JSON」のAPI

```
{
  "fullname" : "Toru Kawamura",
  "organizations" : [
    {
      "title" : "Sendagaya.rb",
      "url" : "/organizations/32"
    }
  ]
}
```

```
{
  "fullname" : "Toru Kawamura",
  "organizations" : [
    {
      "title" : "Sendagaya.rb",
      "url" : "/organizations/32"
    }
  ]
}
```

fullname → <http://schema.org/name>

organizations.url → <http://schema.org/memberOf>

のマッピング(Profile)さえ記述してあれば、全く同様に扱える！

意味が同じであれば、APIの構造が違っても同一のインターフェイスで扱える

“Twitter API”、“Facebook API”、“Google+ API”を同じクライアントで（  
理論的には）扱える



# Just a imagination

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まだ構想しかありません

## Inspired by microdata DOM API

<http://www.whatwg.org/specs/web-apps/current-work/multipage/microdata.html#using-the-microdata-dom-api>

## How about this?