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Conectando PHP Backend con App móvil (Swift+CocoaPods)

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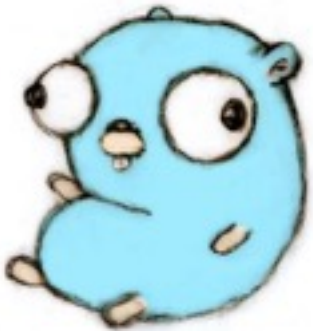
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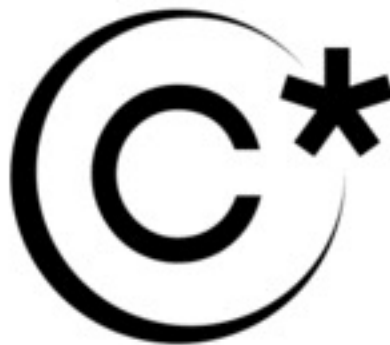
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Del 21 al 25 de marzo, 2017
seville2017.drupaldays.org

THE PROJECT

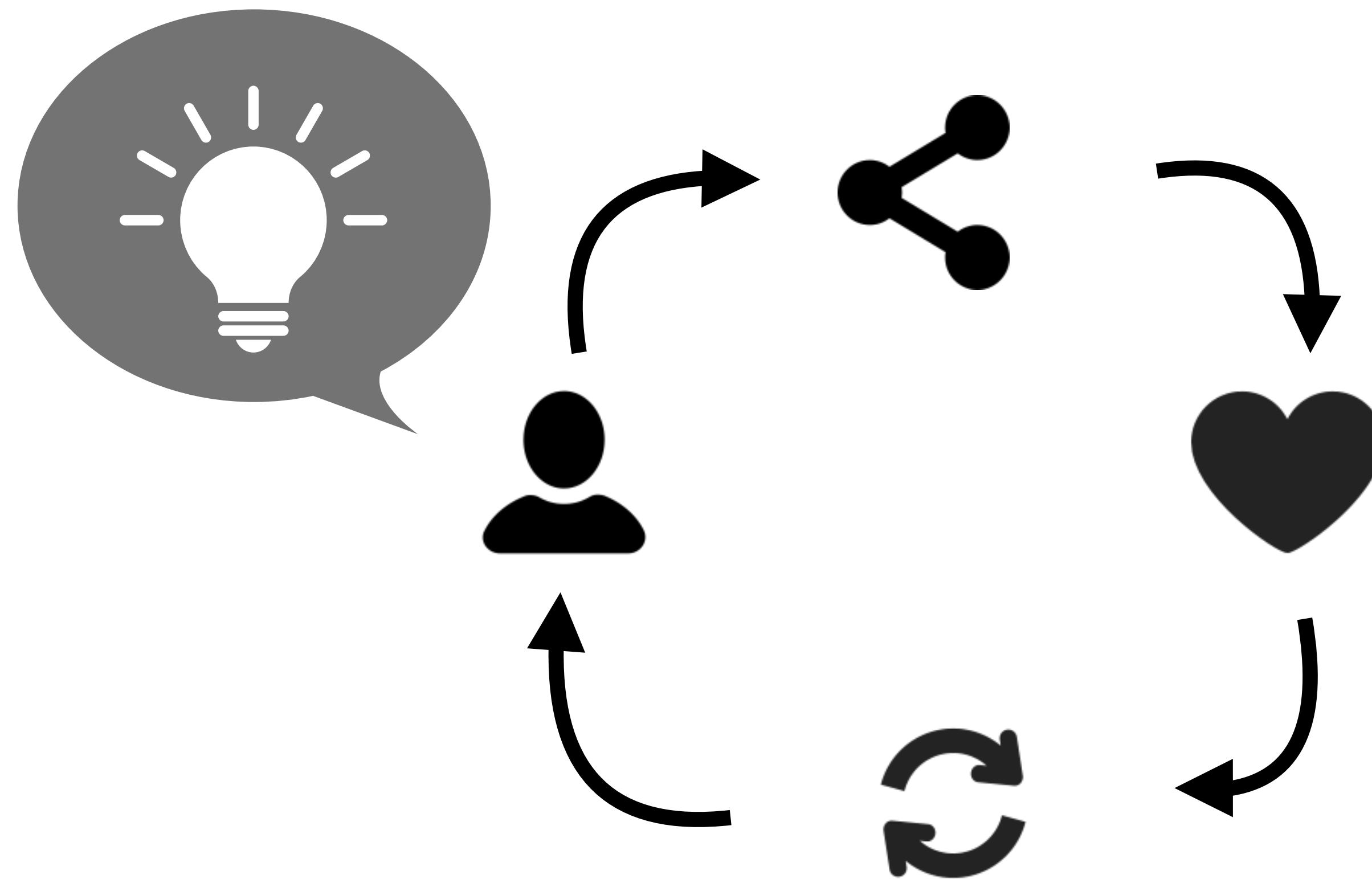
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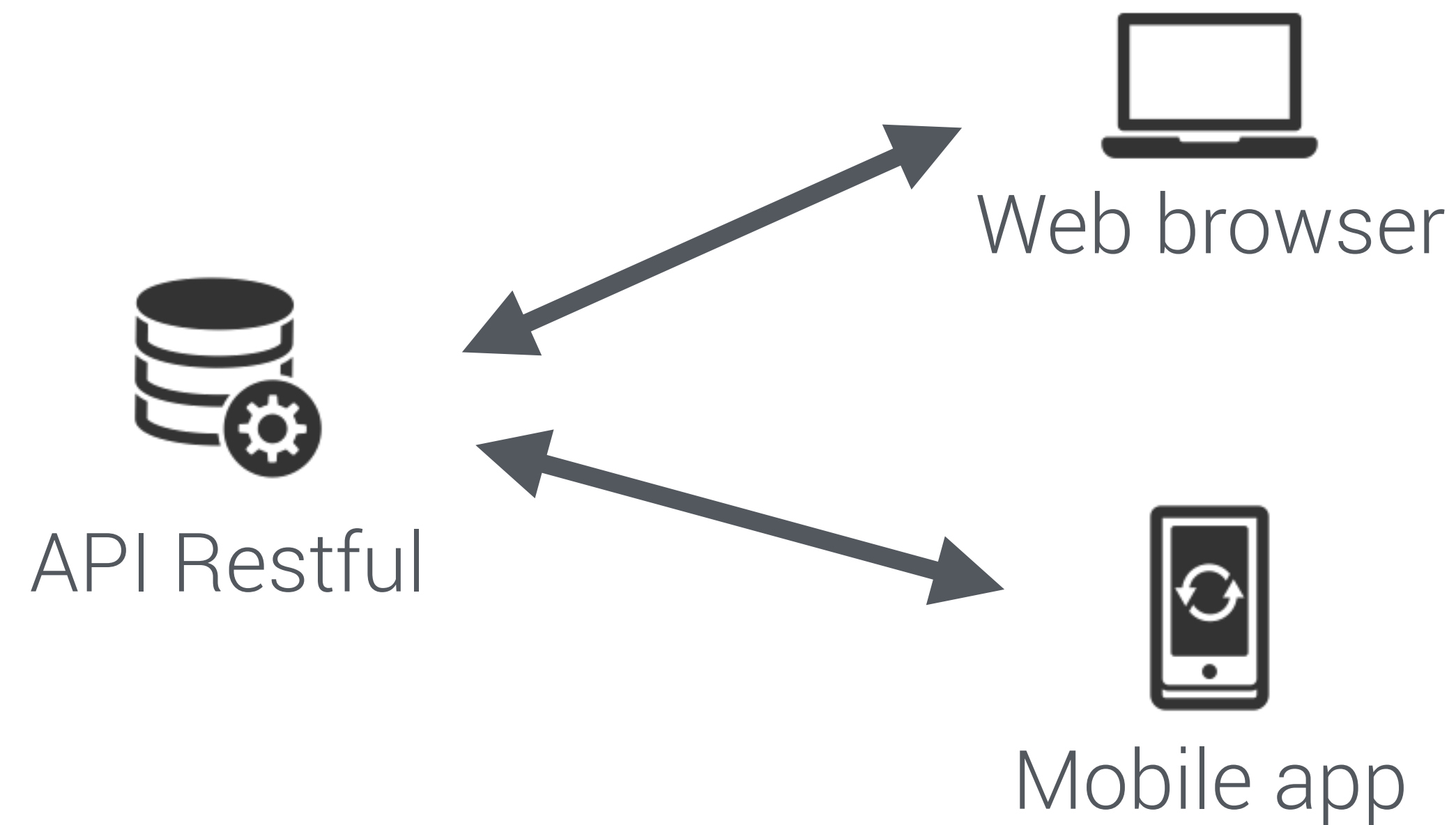


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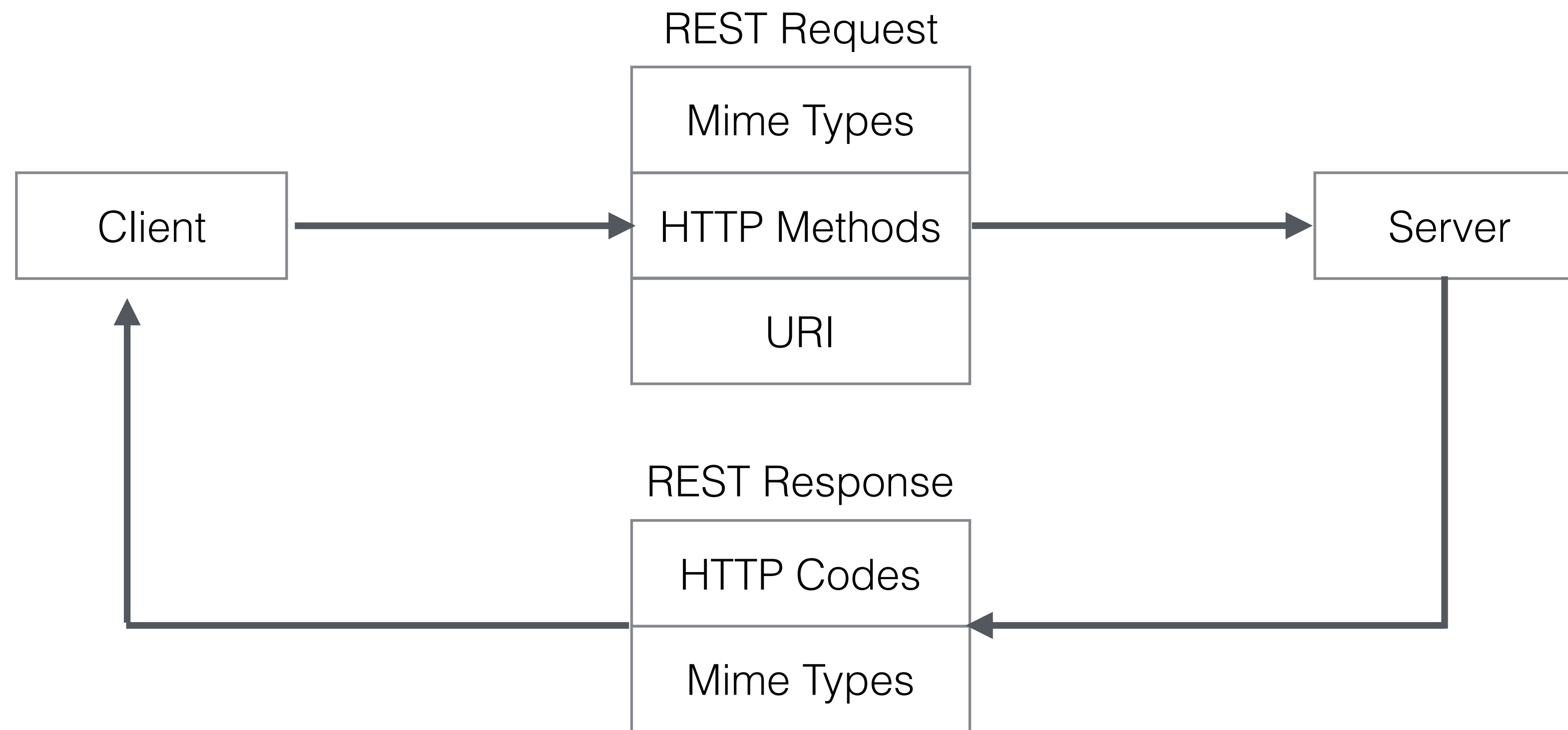
THINKINGUP



API RESTful



API RESTful



API RESTful

Fundamentos básicos API RESTful

- 1.- Todo es un recurso. Representada por un formato.
- 2.- Con identificador único. Accesible a través de URIs.
- 3.- Usa métodos HTTP estándar
- 4.- Diferentes representaciones
- 5.- Comunicaciones sin estado

API RESTful

Uso correcto de las URIs

{protocolo}://{dominio o hostname}[:puerto (opcional)]/{ruta del recurso}?{consulta de filtrado}

API RESTful

Uso correcto de las URIs

Incorrecto

<http://api.thinkingup.com/showideas>

<http://api.thinkingup.com/idea>

<http://api.thinkingup.com/idea/edit>

<http://api.thinkingup.com/ideas/1/show>

<http://api.thinkingup.com/ideas/1/detail>

Correcto

GET <http://api.thinkingup.com/ideas>

GET <http://api.thinkingup.com/ideas/1>

POST <http://api.thinkingup.com/ideas>

PUT <http://api.thinkingup.com/ideas/1>

DELETE <http://api.thinkingup.com/ideas/1>

THE BACKEND

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API | **RESTful**

HTTP Methods

GET
POST
PUT
DELETE
HEAD
OPTIONS
TRACE
CONNECT

API RESTful

HTTP Status code

2XX - Success

200 - OK

201 - Created

204 - No content

3XX - Redirection

300 - Multiple choices

301 - Moved permanently

304 - No modified

4XX - Client Error

5XX - Server Error

<https://tools.ietf.org/html/rfc2616>

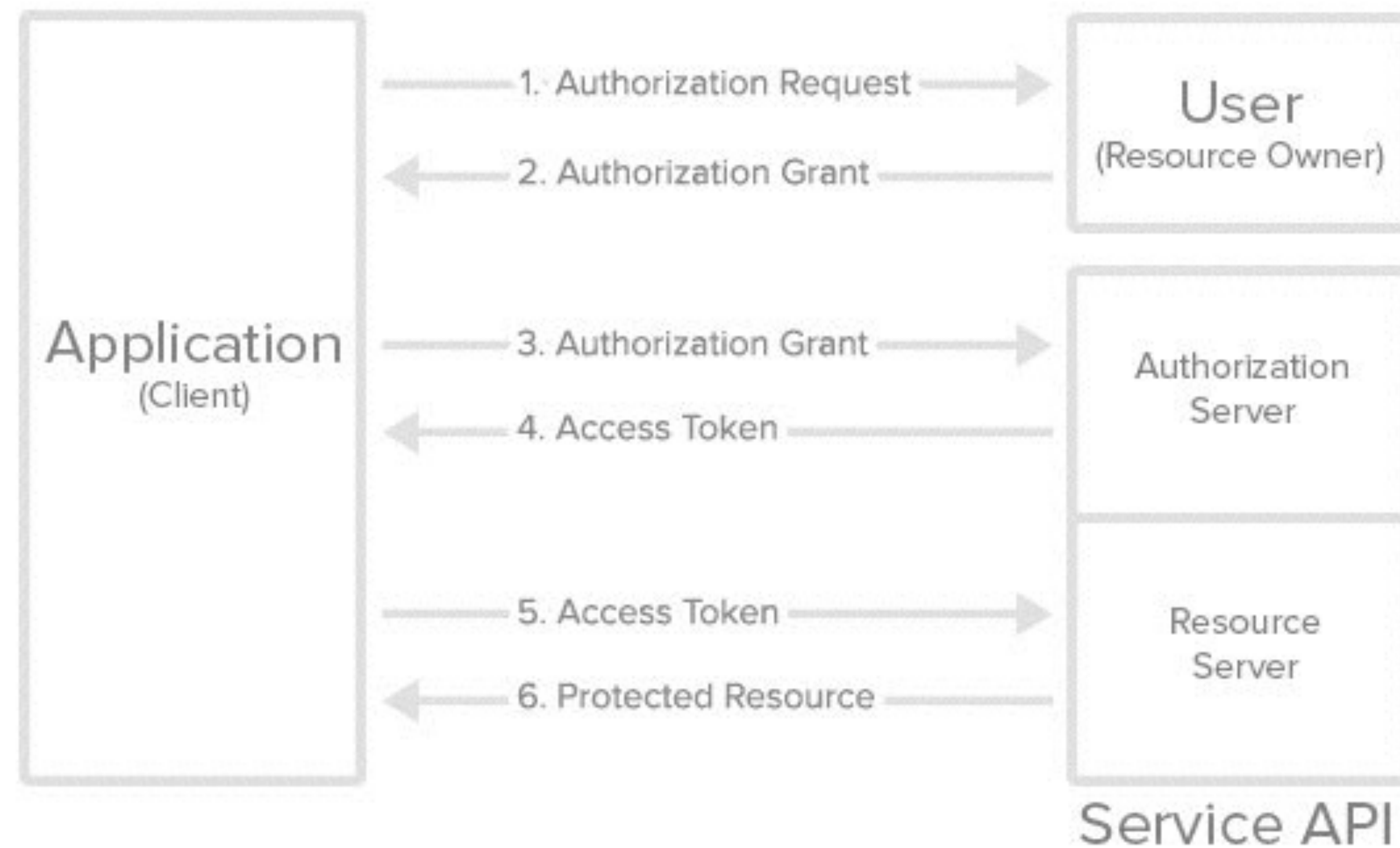
API RESTful

Hypermedia

```
{  
  id: 211,  
  first_name: 'John',  
  last_name: 'Lock',  
  _links: [  
    { rel: 'self', href: 'http://example.com/people/211' }  
  ]  
}
```

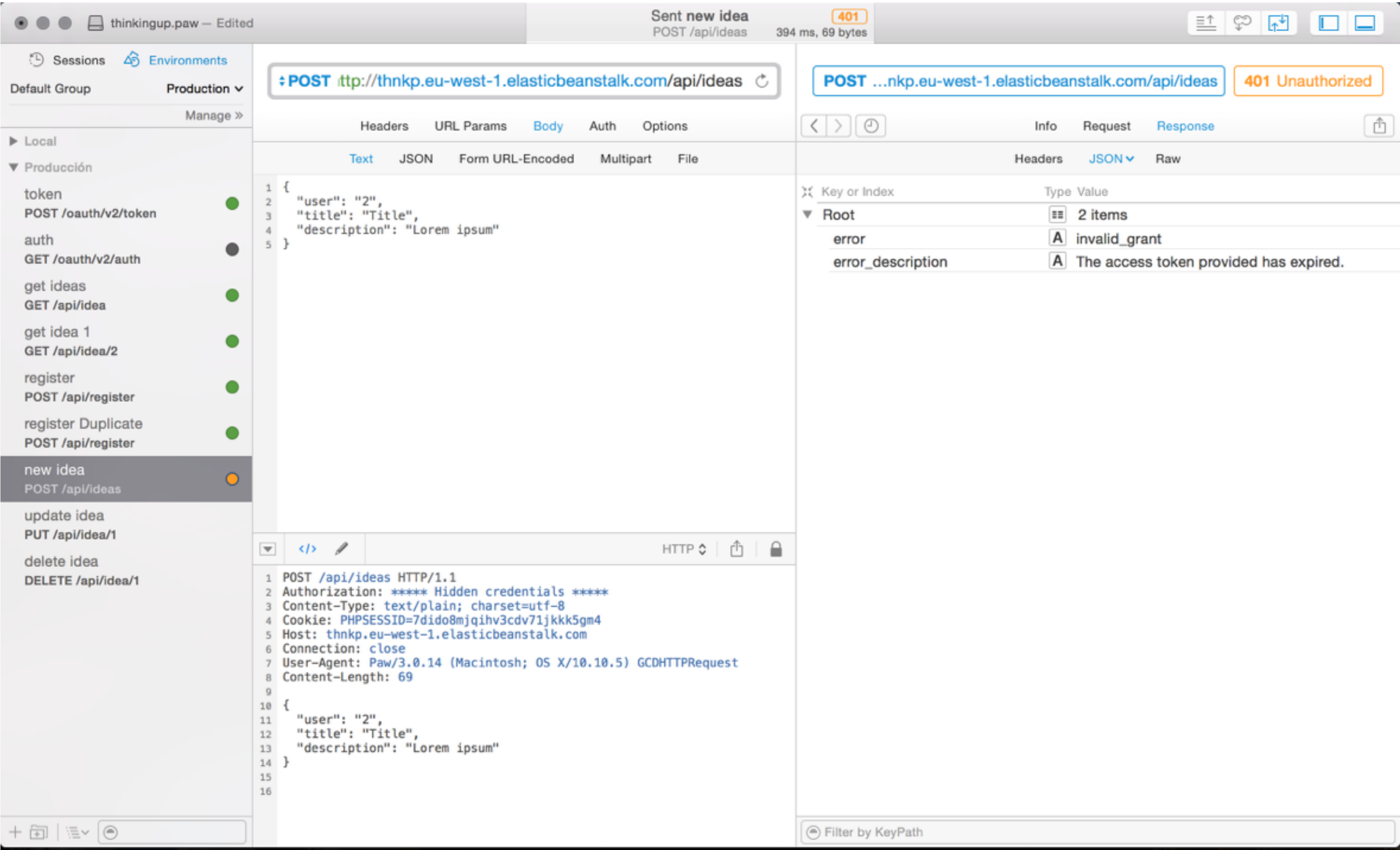
OAuth 2.0

Abstract Protocol Flow



API RESTful

 PAW



API | **RESTful**

References

<http://www.vinaysahni.com/best-practices-for-a-pragmatic-restful-api>



Show me the code

Symfony 3.1

Fos User Bundle

Fos Rest Bundle

Fos Oauth Bundle

JMS Serializer Bundle

<https://github.com/miguelbemartin/thinkingup-backend>

Álvaro Murillo

Desarrollador aplicaciones móviles



- Creación de un proyecto **iOS + Swift**
- **CocoaPods**
- Consumo API **OAuth 2.0**
- **UIScrollView + Autolayout**

Creación de un proyecto **iOS** + **Swift**



THE APP



COCOPODS

cocoapods.org

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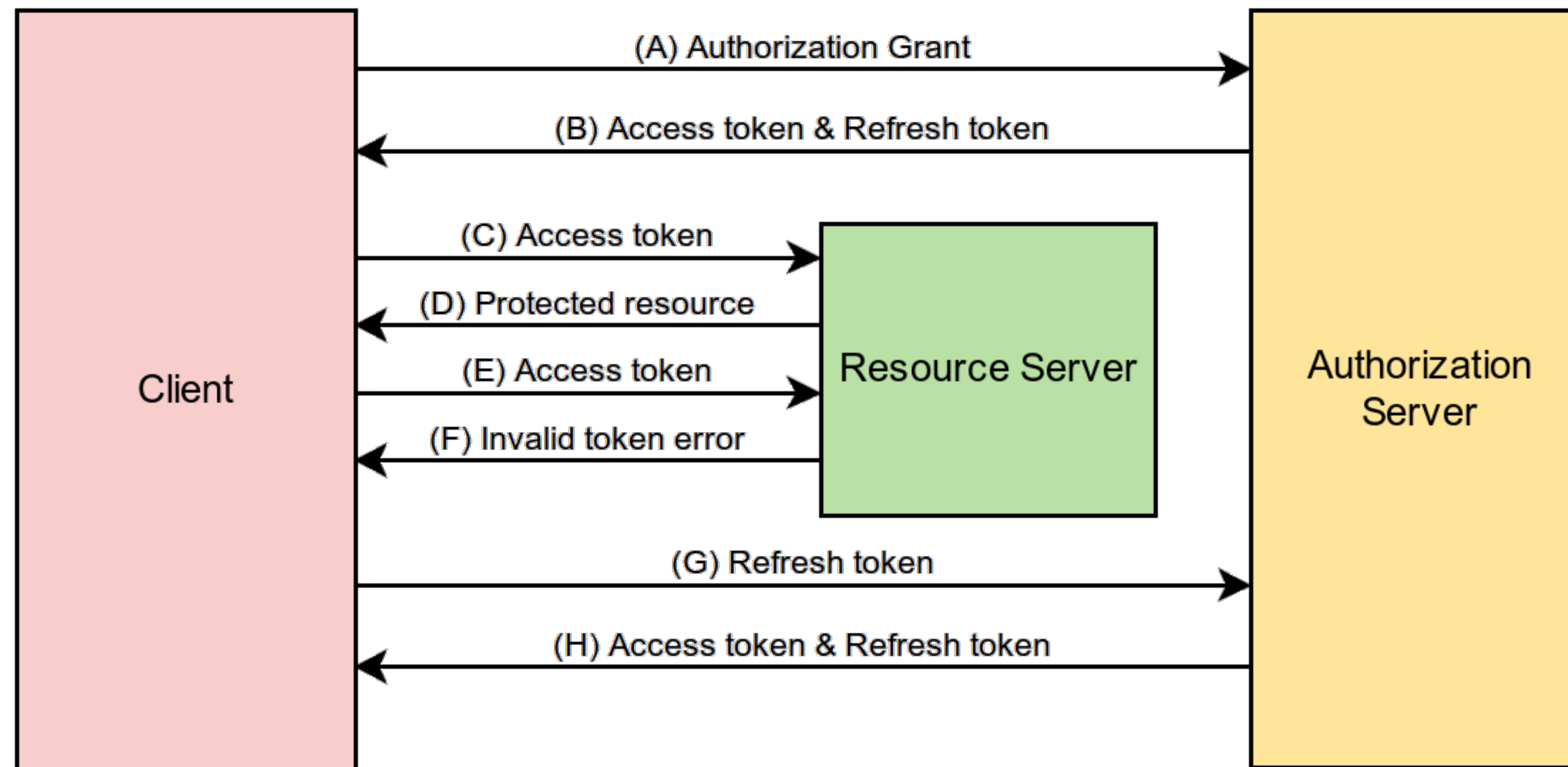
```
$ gem install cocoapods
```

```
$ pod init
```

```
$ pod install
```

```
$ pod update
```

Consumo API OAuth 2.0



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