

# Drupal & AngularJS



DrupalCamp Spain 2014

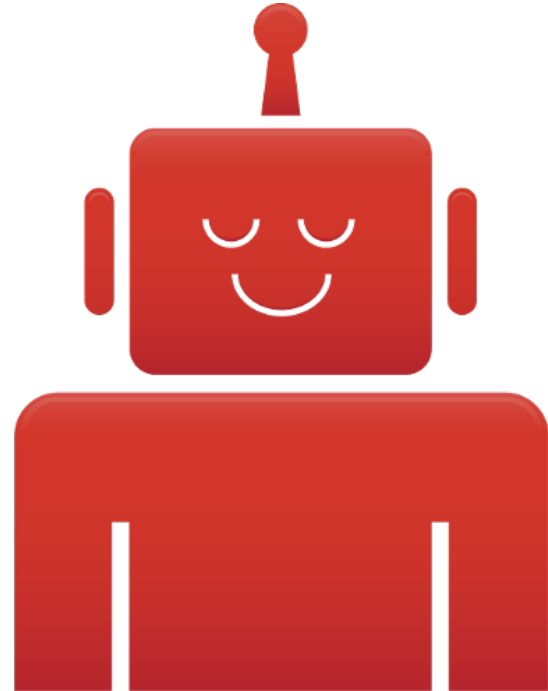
Juampy Novillo Requena  
Mateu Aguilo Bosh

# About us ([@e0ipso](#) & [@juampy72](#))

Drupal enthusiasts



Developers at Lullabot



# Glossary (1)

## **Front end developer / Themmer**

Someone who works in the presentational aspects of a website.

## **Back end developer / Programmer**

Someone who works in the architecture of a website.

# Glossary (2)

## Decouple

*tr. separate, disengage, or dissociate (something) from something else.*

For Drupal: move areas of business logic from Drupal to the client using JavaScript.

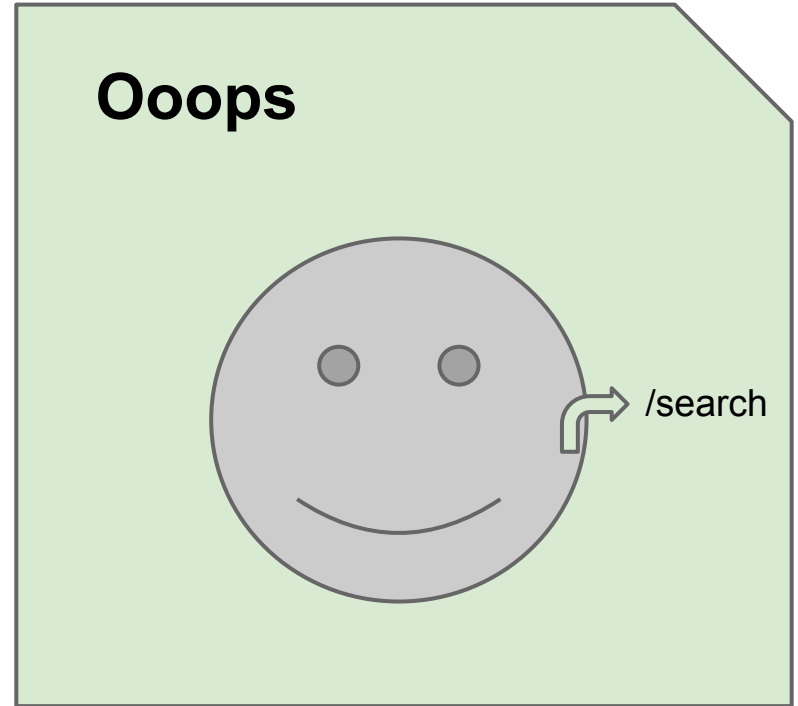
# Backend: Drupal

```
<html>
...
<div id="the-js-page"></div>
...
</html>
```

```
title: "Oops",
link: "/search",
image: "img.jpg"
```

Raw data sent to the client.

# Client: Browser



# ¿Why decoupling?

1. Theming in Drupal is tedious and tricky.
2. As an alternative to ESI in pages delivered by reverse proxies.
3. Easier core upgrades.

# 1. Theming in Drupal is tedious and tricky

*Hi themer! Here are hundred of thousands of divs; and the CSS is scattered among these files. Remember that if you touch core I will rip your head off.*

*Good luck! :-D*



# Against ...

*Hi themer, make a request to the service `$http('/mydata.json')` in JavaScript in order to obtain the data.*

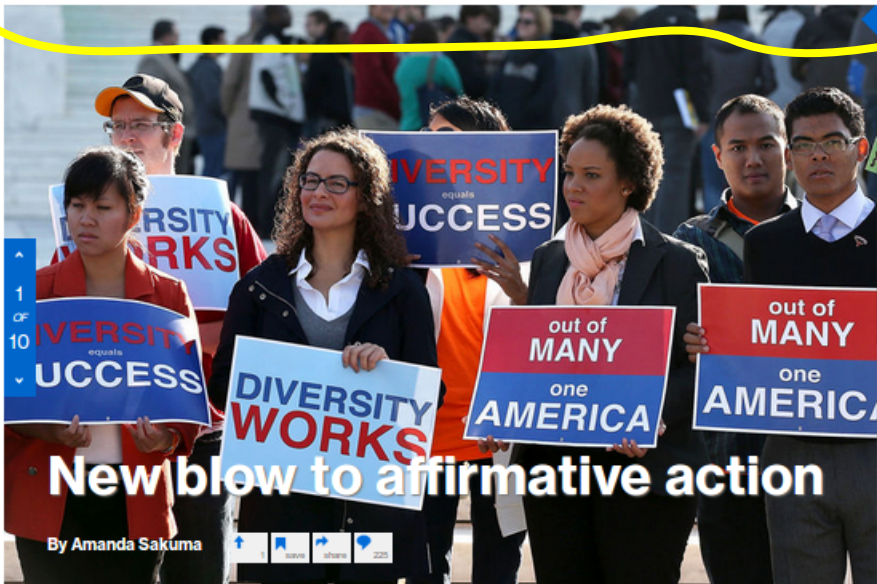
*You can write your own CSS and HTML from scratch.*





## 2. As an alternative to ESI in pages delivered by reverse proxies

Given a page, allow that certain areas are dynamic but keep the rest been delivered by a [reverse proxy](#) like Varnish.



By Amanda Sakuma

- 1 New blow to affirmative action
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AngularJS fetches the data and renders the header.

Drupal + Varnish take care of the rest of the page.

Same header embedded in a different site



**Rachel Maddow**

Rachel Maddow is the host of "The Rachel Maddow Show" on MSNBC. [more](#)

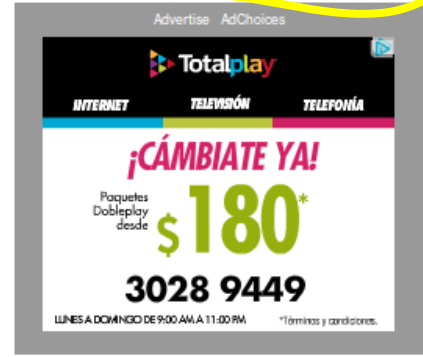
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Async calls to different servers:

- Data server
- Server with the AngularJS app


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**In the News**

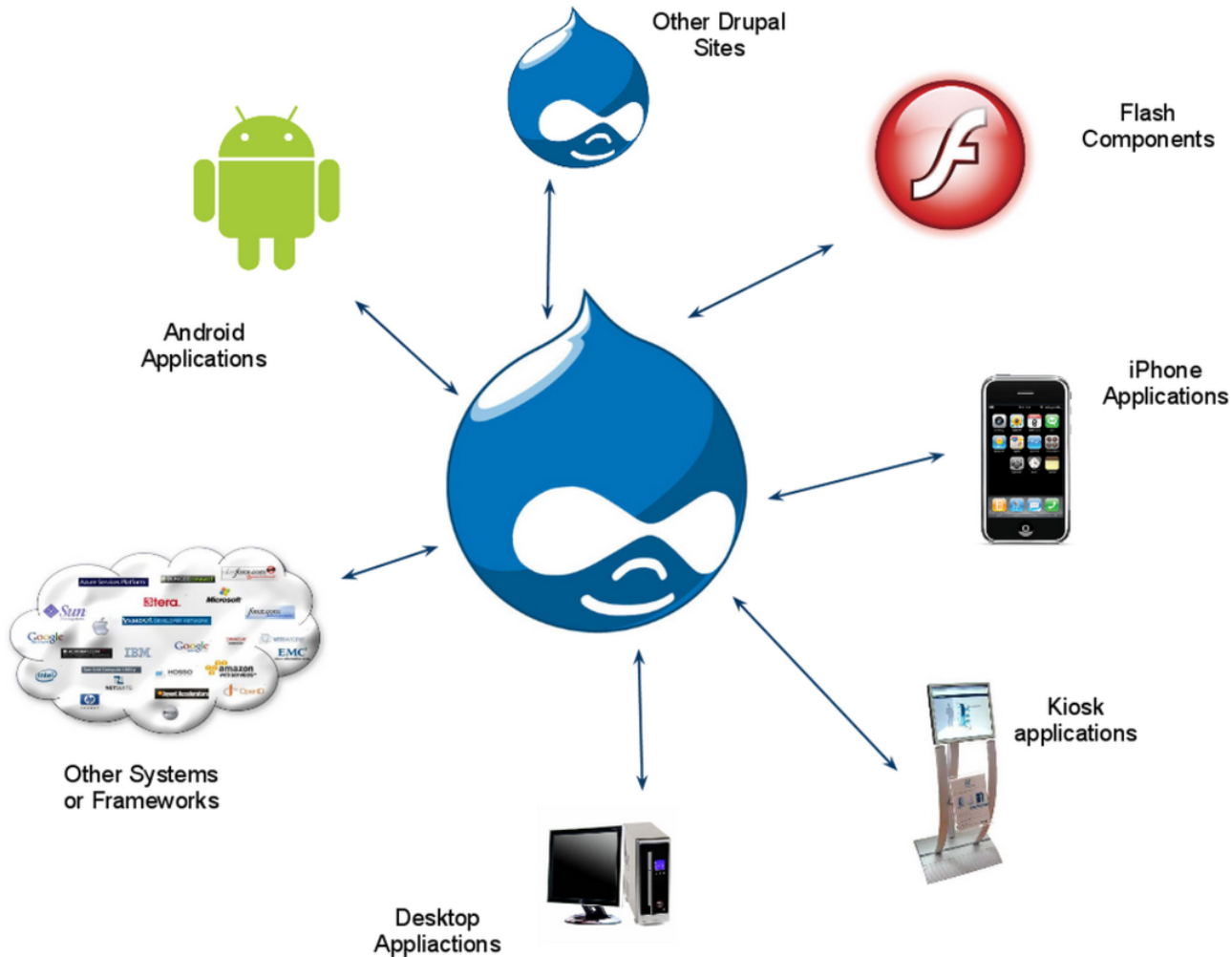


### 3. Easier core upgrades

@daniel\_jacobson, ex CTO at National Public Radio ([www.npr.org](http://www.npr.org)).

Built a backend system which offered an API to several client applications.

This backend system has been on for 12 years.



As long as we respect the structure of the APIs being consumed by client apps, the backend can evolve.



[AngularJS](#) is an MVC JavaScript framework which elegantly separates controller, business and model logic in your application.

# AngularJS basics: directive

A [Directive](#) is a marker on a DOM element that tell AngularJS's HTML compiler to attach a specified behavior to that DOM element.



<http://jsfiddle.net/e0ipso/9eXD9/>

# AngularJS basics (2): controller

A [Controller](#) is a JavaScript constructor function that is used to augment the Angular Scope.



<http://jsfiddle.net/e0ipso/t2N8b/2/>



## 2-way data binding

The view can update the model and the model can update the view. Out of the box.



<http://jsfiddle.net/e0ipso/PF3cP/1/>

# ¿What about JQuery & Backbone?

There is no MVC separation as in AngularJS in JQuery and Backbone.

They both lack 2-way data binding.

[Example in AngularJS / jQuery / Backbone.](#)

# Full example: contact form

## Help

### How do I report a technical problem with the site?

Please use the form below to send a description of the error. Though we're not able to respond to every comment, your feedback will be used to help solve the problem.

Your Name \*

Your E-mail address \*

What kind of problem did you encounter \*

URL of Relevant Page

Description \*

\* = indicates required form field.

submit

New Relic. Want Code-Level Application Visibility? Free Shirt! Yes Please

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# Hugs. Questions?

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