

Build Mobile Applications with Headless Drupal 8





Tan Next Generation Seats
Recommended



Piano Black Décor



Black Alcantara Headliner
Requires Premium Interior

Paint

Roof & Wheels

Interior

Select options for

MAX RANGE

MAX PERFORMANCE

Cash

Lease



Checking Account Debit
⌘ 211386597 ⌘

Save Model S Design
Pay Deposit Later

Pay with your Credit Card

Your information will be treated securely. View our [security policy](#) for more information.

FULL NAME (AS IT APPEARS ON YOUR CREDIT CARD)

BILLING COUNTRY

United States ▼

CREDIT CARD NUMBER

BILLING ADDRESS LINE 1

EXPIRATION MONTH

03 - March ▼

EXPIRATION YEAR

2016 ▼

BILLING ADDRESS LINE 2

CVV CODE

CITY

STATE/PROVINCE

California ▼

ZIP CODE

BACK

By placing this order you agree to the [Model S Order Agreement](#)

PLACE ORDER

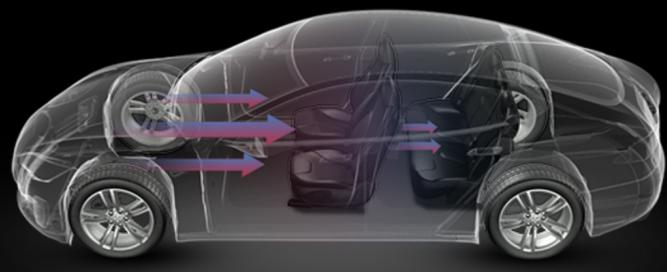




Climate On

TURN OFF

Interior Temperature: 64°F



▲

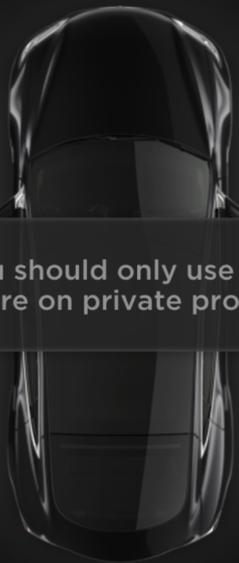
68°

▼

BACK

Summon

FORWARD



You should only use this feature on private property

REVERSE

STOP

Or press the center button on the key fob to stop car



Update Succeeded - What's New in Release v7.0

With this release, we are introducing a significant advancement in Autopilot functionality with Autosteer, Auto Lane Change, Autopark, and Side Collision Warning. We've designed these new Autopilot features to give you more confidence behind the wheel, increase your safety on the road, and make highway driving more enjoyable. Similar to the autopilot function in airplanes, you need to maintain control and responsibility of your vehicle while enjoying the convenience of Autopilot in Model S.

This release also features the first significant visual refresh to the look and feel of the displays since the launch of Model S. The Instrument Panel is more driving-focused and includes additional apps to help you monitor your driving. There are also additional improvements to the Model S driving experience, such as Vehicle Hold.

- [A New, Modern Look](#)
- [New and Redesigned Instrument Panel Apps](#)
- [Status Bar Changes](#)
- [Autosteer](#)
- [Auto Lane Change](#)
- [Autopark](#)
- [Traffic Aware Cruise Control Improvements](#)
- [Side Collision Warning](#)
- [Vehicle Hold](#)
- [Climate Control Improvements](#)
- [Additional Improvements](#)

A New, Modern Look

The first thing you'll notice with this release is the modern, clean look of the touchscreen and Instrument Panel. The Instrument Panel is focused on the Autopilot driving experience, and information is displayed only when relevant. At the same time, more information about your vehicle is now available on demand: there are two new Instrument Panel apps and we've expanded the functionality of two existing Instrument Panel apps. Additionally, the app windows are now larger so you can see more information in the 17" touchscreen

Rear Wheel Drive
- \$5,000

All-Wheel Drive

Standard Equipment [View all](#)



Valet Mode

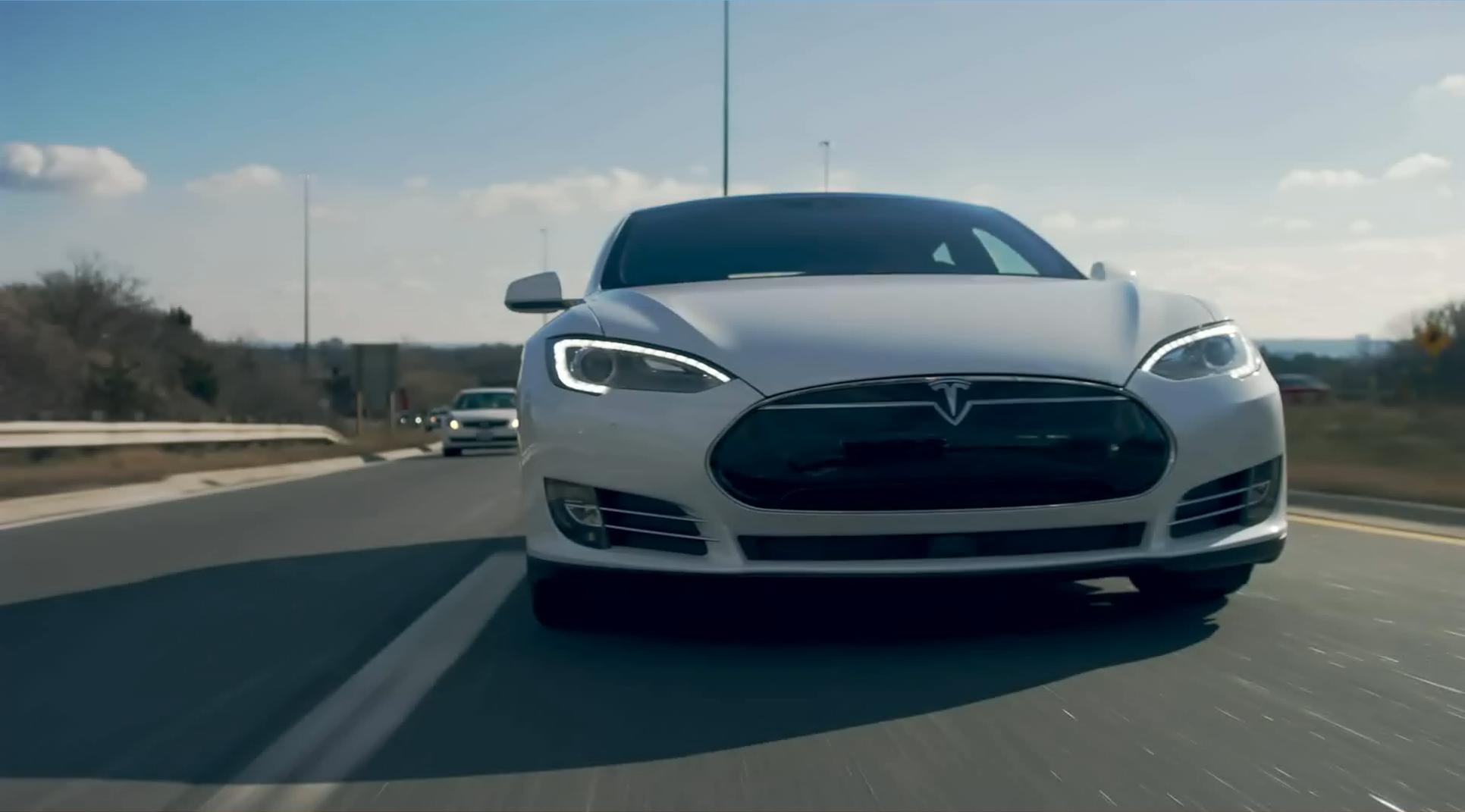


Currently Disabled

Car must be in PARK to enable or disable Valet Mode.

[Clear PIN](#)

ENABLE





TESLA



• ~~"MOBILE-FIRST" DEVELOPMENT~~ •

"API-FIRST" DEVELOPMENT

- ✓ Build your REST platform first.
- ✓ Build your app/website only using API's.



Hub – Connector - Integrator

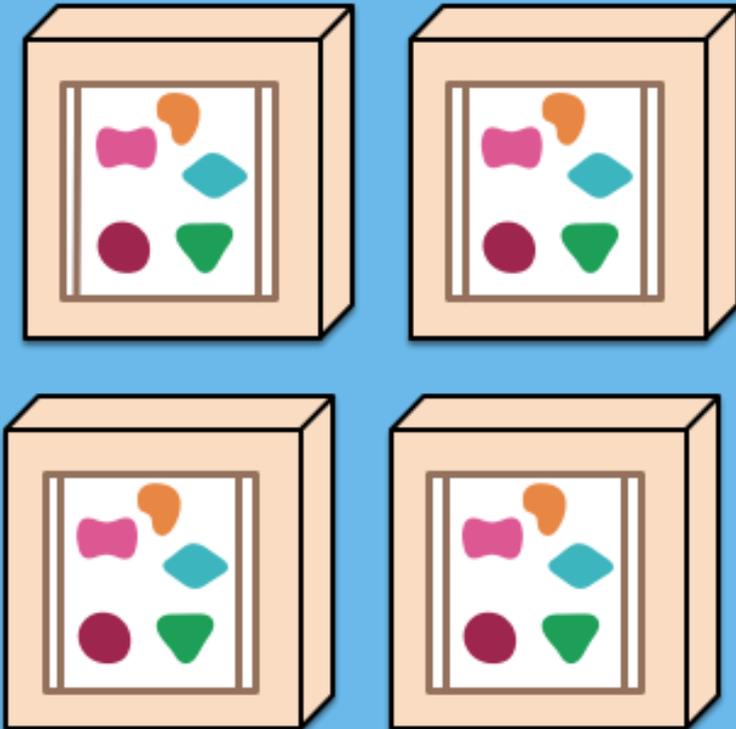


Monolithic

A monolithic application puts all its functionality into a single process...

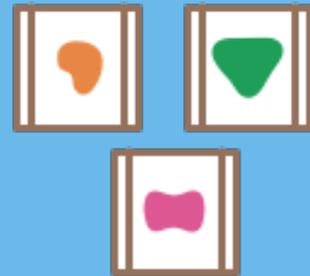


... and scales by replicating the monolith on multiple servers

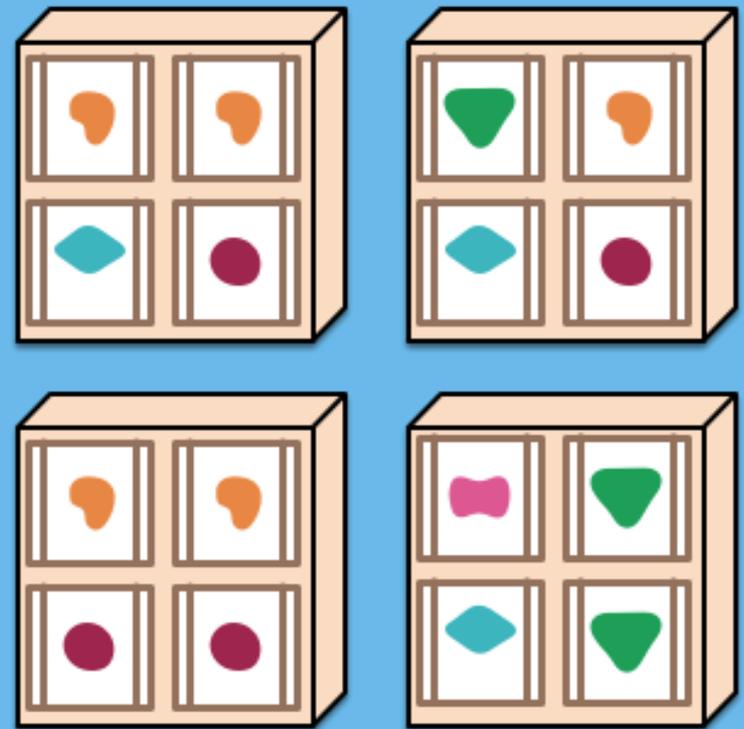


Microservices

A microservices architecture puts each element of functionality into a separate service...



... and scales by distributing these services across servers, replicating as needed.

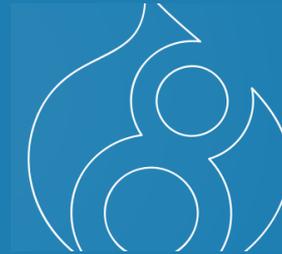


Headless Advantages

- ✓ More flexibility on the front-end, and using front-end resources
- ✓ Mobile apps, wearables, IoT
- ✓ Multiple / separate architectures or infrastructures
- It's easier to work with different teams. For example:
 - ✓ Team Backend, Team Web frontend, Team iOS App and Team Android App.
- ✓ Prevent front-end code kludge (like database queries)
- ✓ More 'future proof'

Why Headless Drupal?

More flexibility on the front-end, and using front-end resources



Prevent front-end code kludge (like database queries)

It's easier to work with different teams. For example: Team Backend, Team Web frontend, Team iOS App and Team Android App.

Extends scope for different
IOT (Internet of Things)



API-first development

Ready for future devices
applications



Value

Security, Internationalization and Access Control makes Headless Drupal more powerful

Large community always willing to help. Support for libraries and frameworks of all major platforms.

Any Drupal website can be converted to Headless Drupal without affecting the existing website which makes it *Easy and Scalable*.

About Us



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Prateek Jain

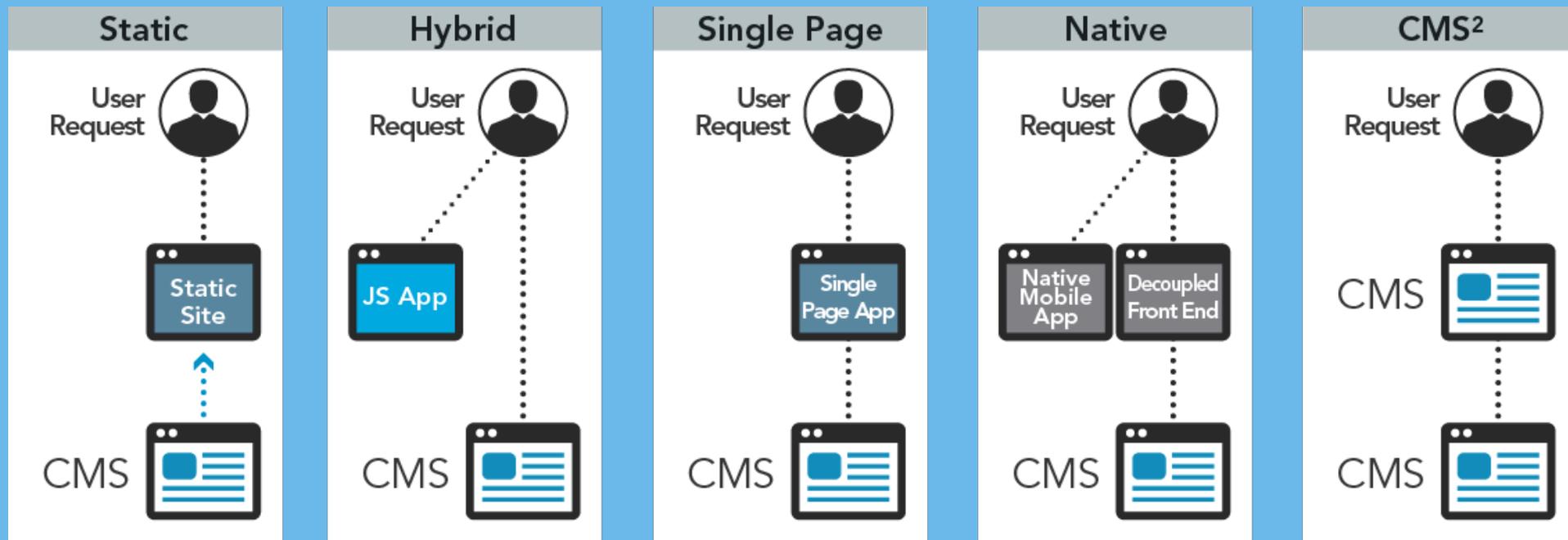
Engineering Manager



@mr_prateekjain

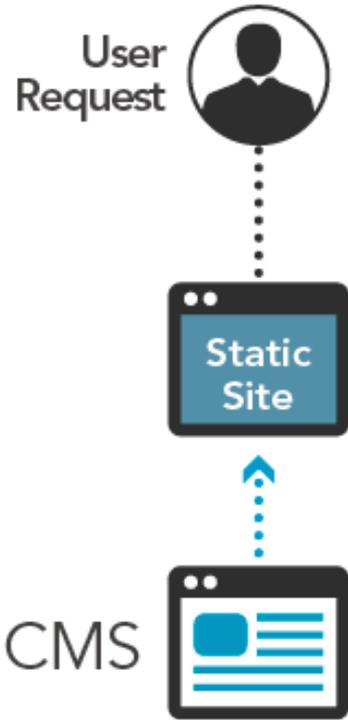
prateek.jain@blisstering.com

What can you do with Decoupled CMS?

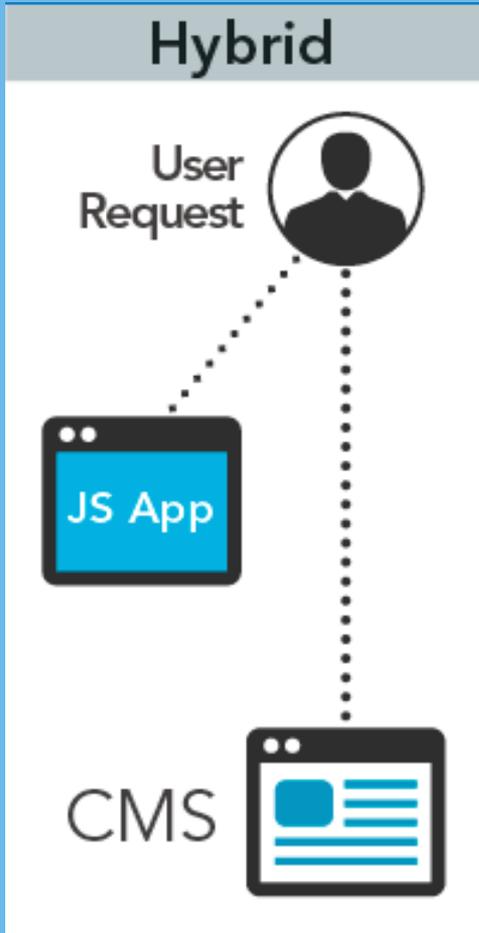


Static

Static

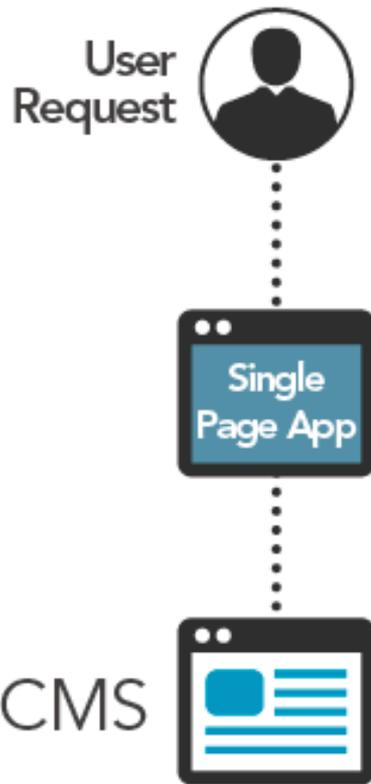


Hybrid

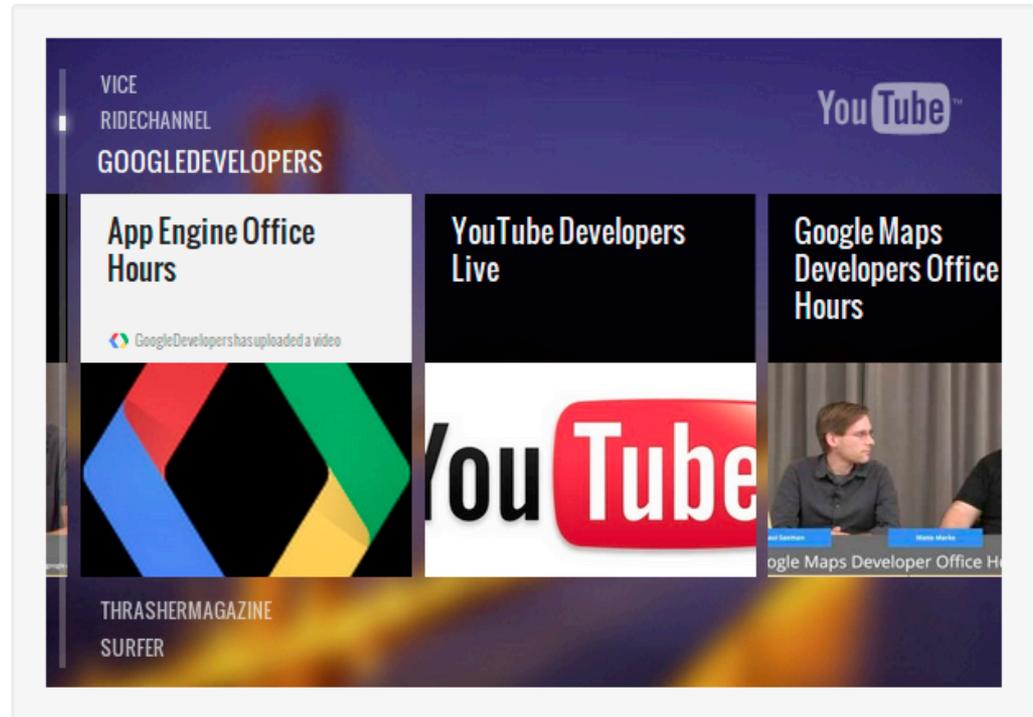


Single Page

Single Page

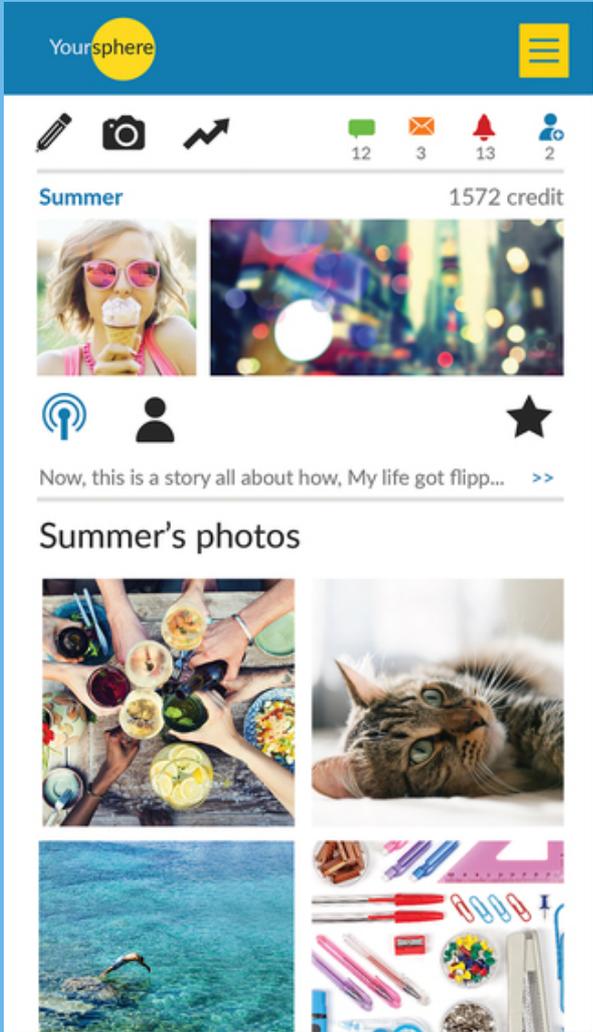
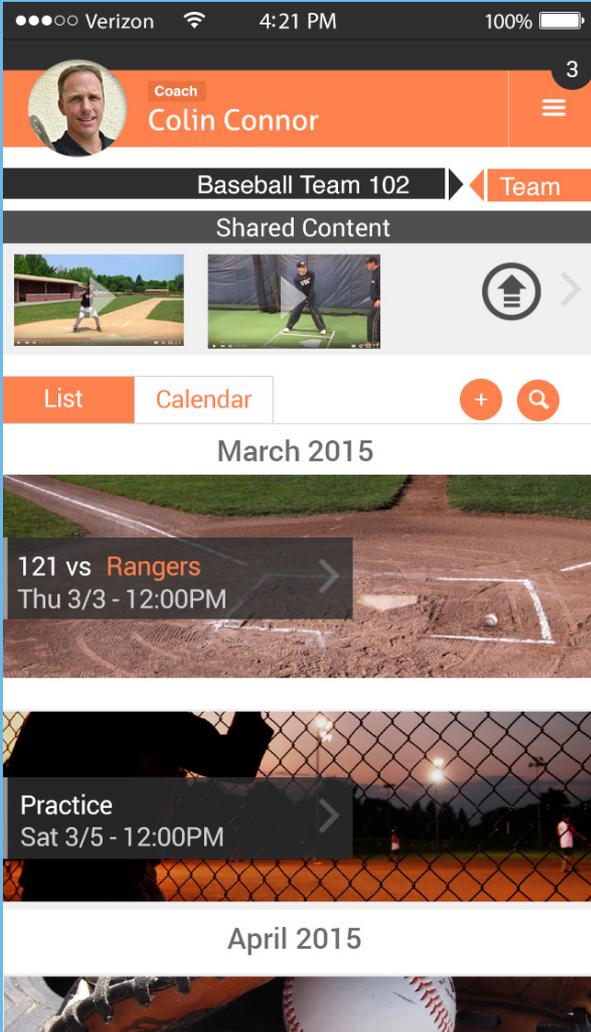
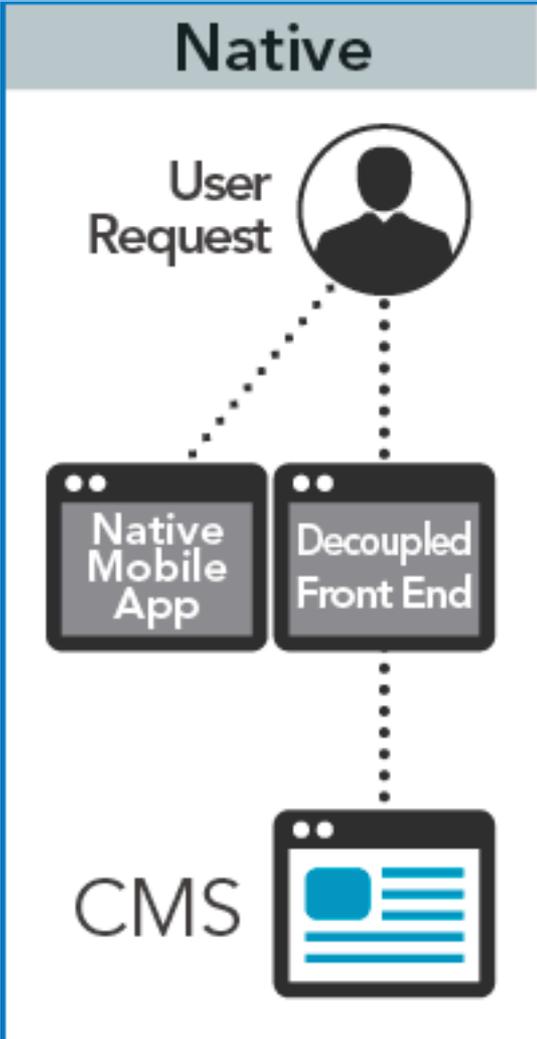


YouTube on PS3



The YouTube application for Sony's PlayStation 3.

Native



CMS²

CMS²

User Request



CMS



CMS



connectu

[Home](#) [We'll Build It](#) [Resellers](#) [Tour](#) [Contact](#) [About](#) [Log In](#)

BE VISIBLE

Be where your customers are



YOUR OWN APP

You have a mobile-friendly website and you use social media. That's no longer enough. You need your own app.



RESELLERS

Our [reseller program](#) allows you to tap into huge profit potential and can help you grow your business fast.



WE'LL BUILD IT

Want us to build your app for you? We're happy to get you started and your app off the ground. [Simply fill out your information to get started.](#)

Let's get started
with
Headless Drupal 8

Headless Drupal 8

- ✓ D8 makes the API-first approach easier than ever
- ✓ RESTful Web Services (rest) in core
- ✓ Serialization (serialization)
- ✓ Hypertext Application Language (hal)
- ✓ HTTP Basic Authentication (basic_auth)

ToDo Demo App Features

- ✓ Create todo
- ✓ Mark todo as done / not done
- ✓ Edit todo
- ✓ Delete todo
- ✓ List todo

Headless Drupal 8 Demo

Create Todo Request Structure

Code



HTTP ▾

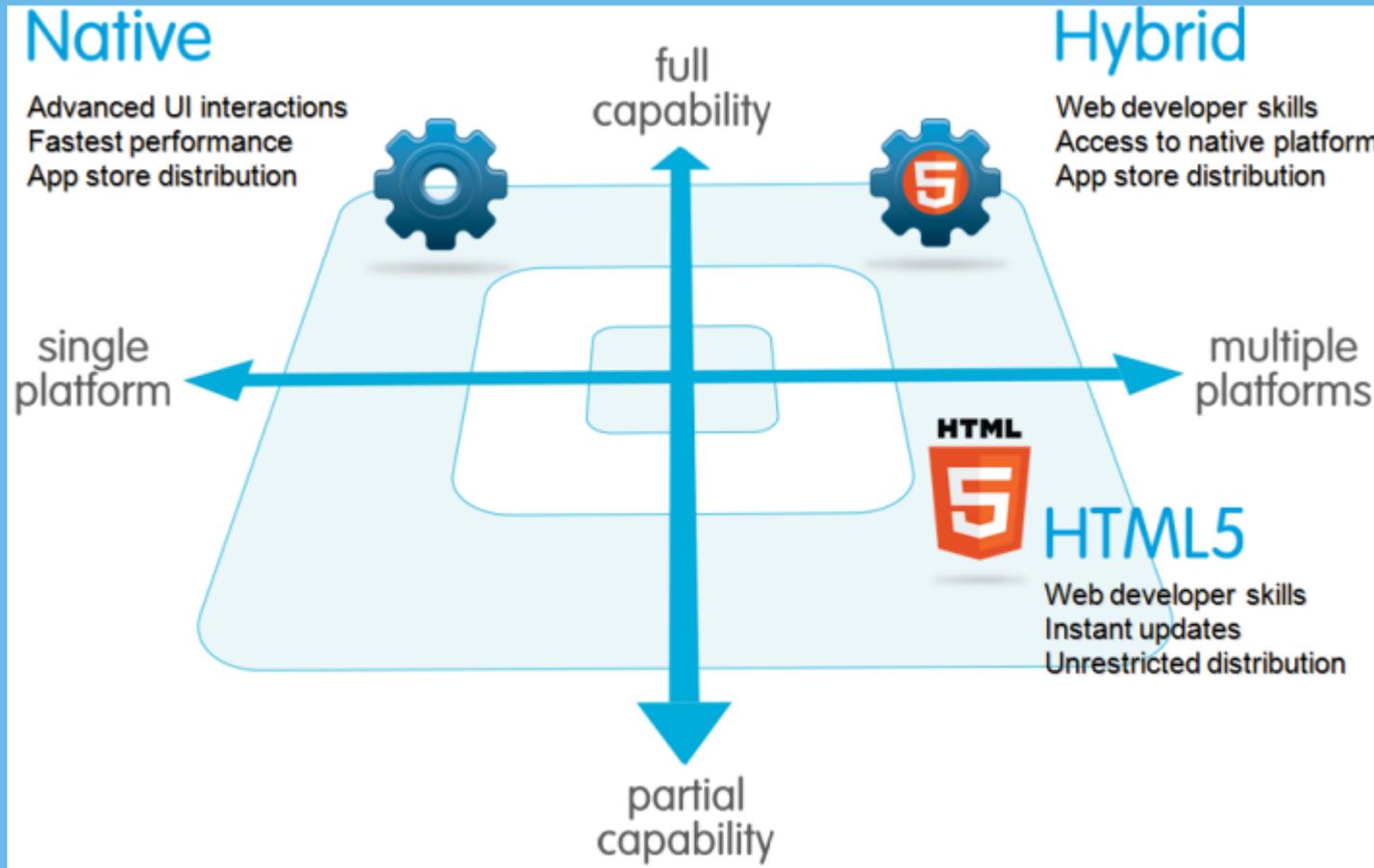


```
1 POST /entity/node?_format=json HTTP/1.1
2 Host: d8.local
3 Content-Type: application/json
4 Accept: application/json
5 X-CSRF-Token: tzEdXIwobcABqMVnmvm3Nvg0J06VJDIm6xByX2r2UeA
6 Authorization: Basic cm9iOnJvYg==
7 Cache-Control: no-cache
8 Postman-Token: 99a29999-1734-8367-d2a9-645be9739438
9
10 {
11   "title": [
12     { "value": "Do stuff" }
13   ],
14   "type": [
15     { "target_id": "todo" }
16   ]
17 }
```

Cross Origin Resource Sharing CORS

Mobile Applications

Mobile : Native, HTML5, Hybrid Apps

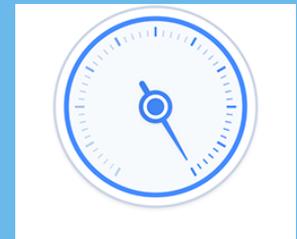


Ionic Framework



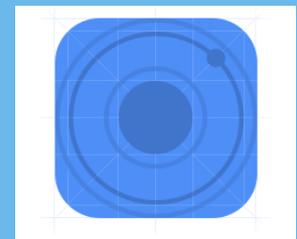
Open Source

Performance obsessed



Angular & Ionic

Native Focused



Installation

- ✓ Install Node.js (<http://nodejs.org/en/>)
- ✓ Install Cordova – `npm install -g cordova`
- ✓ Install Android Platform
- ✓ Install iOS Platform
- ✓ For Ionic – `npm install -g ionic`
For Ionic2 – `npm install -g ionic@beta`
- ✓ Start App - `ionic start todoApp -v2`

Reference – <http://ionicframework.com/getting-started>

Ionic Project Structure

- ✓ Main entry point www/index.html

```
15 <!-- this Ionic's root component and where the app will load -->
16 <ion-app></ion-app>
17
18 <script src="cordova.js"></script>
19 <script src="build/js/app.bundle.js"></script>
```

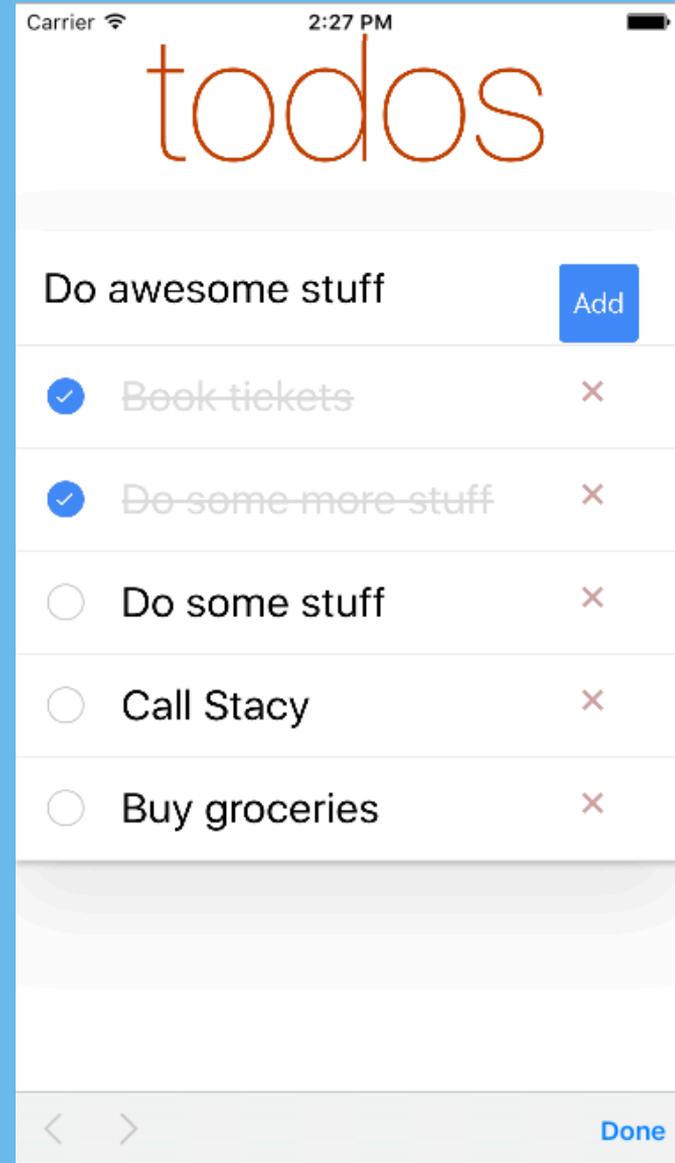
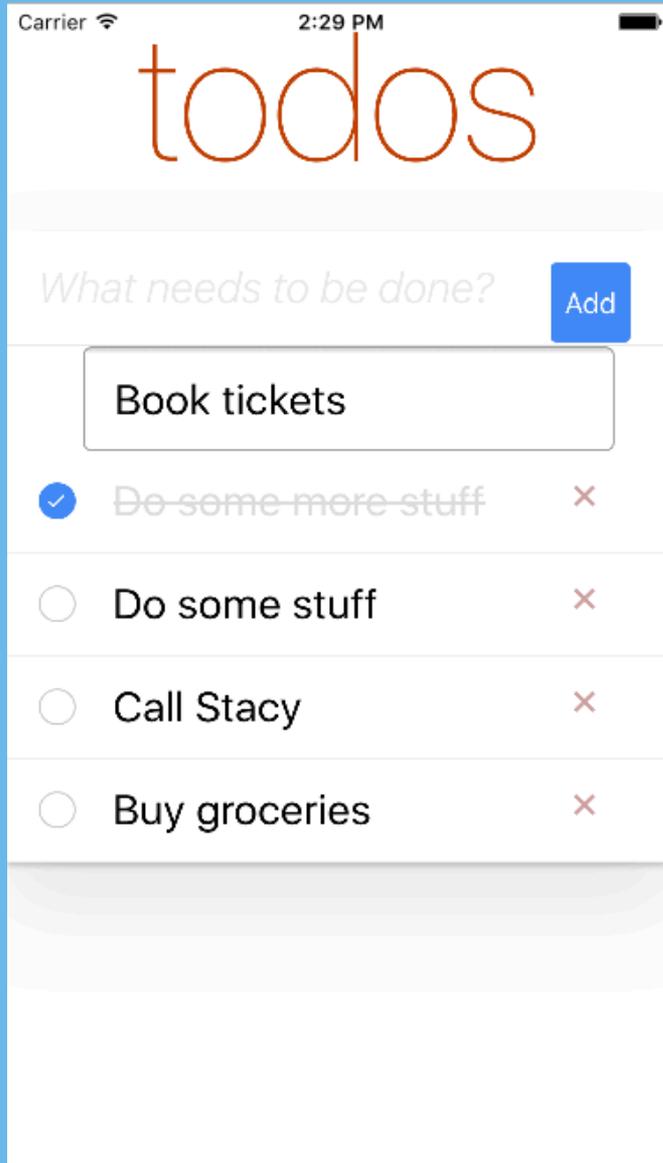
- ✓ app/app.js – This is where everything starts

```
1 @App({ // Root component
2   templateUrl: 'app/app.html' // Template
3 })
4 class TodoApp {
5   constructor() {
6   }
7 }
```

Components

- ✓ Reusable UI elements
- ✓ Building blocks of mobile app
- ✓ Made up of HTML, CSS and sometimes JavaScript

TODO App



Lets build it ...

Drupal 8 for Mobile



“If I were to start Drupal from scratch today,

I had build it for mobile experience first,

and desktop experience second”

Dries in 2011

Headless Drupal – A Manifesto

- ✓ We want Drupal to be the *preferred* back-end content management system for designers and front-end developers.
- ✓ We believe that Drupal's main strengths lie in the power and flexibility of its back-end; its primary value to users is its ability to architect and display complex content models.
- ✓ We believe that client-side front-end frameworks are the future of the web.
- ✓ It is critically important for Drupal to be services oriented first, not HTML oriented first, or risk becoming irrelevant.

Drupal



Obvious weapon of choice for emerging front-end technologies

Q & A



Our Company



Blistering Solutions is a California corporation, operational since 2009.

Blistering Solutions is a Drupal Services, Solutions and Products Company offering full range of Drupal Services from building your Drupal Solution



About Us



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**Blisstering
Solutions**

Cloud. Mobile. Certainty.