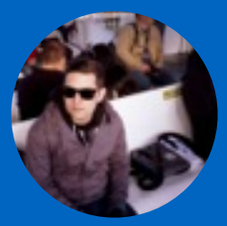
WordPress & the REST API



Joey Kudish
@jkudish

http://slides.jkudish.com

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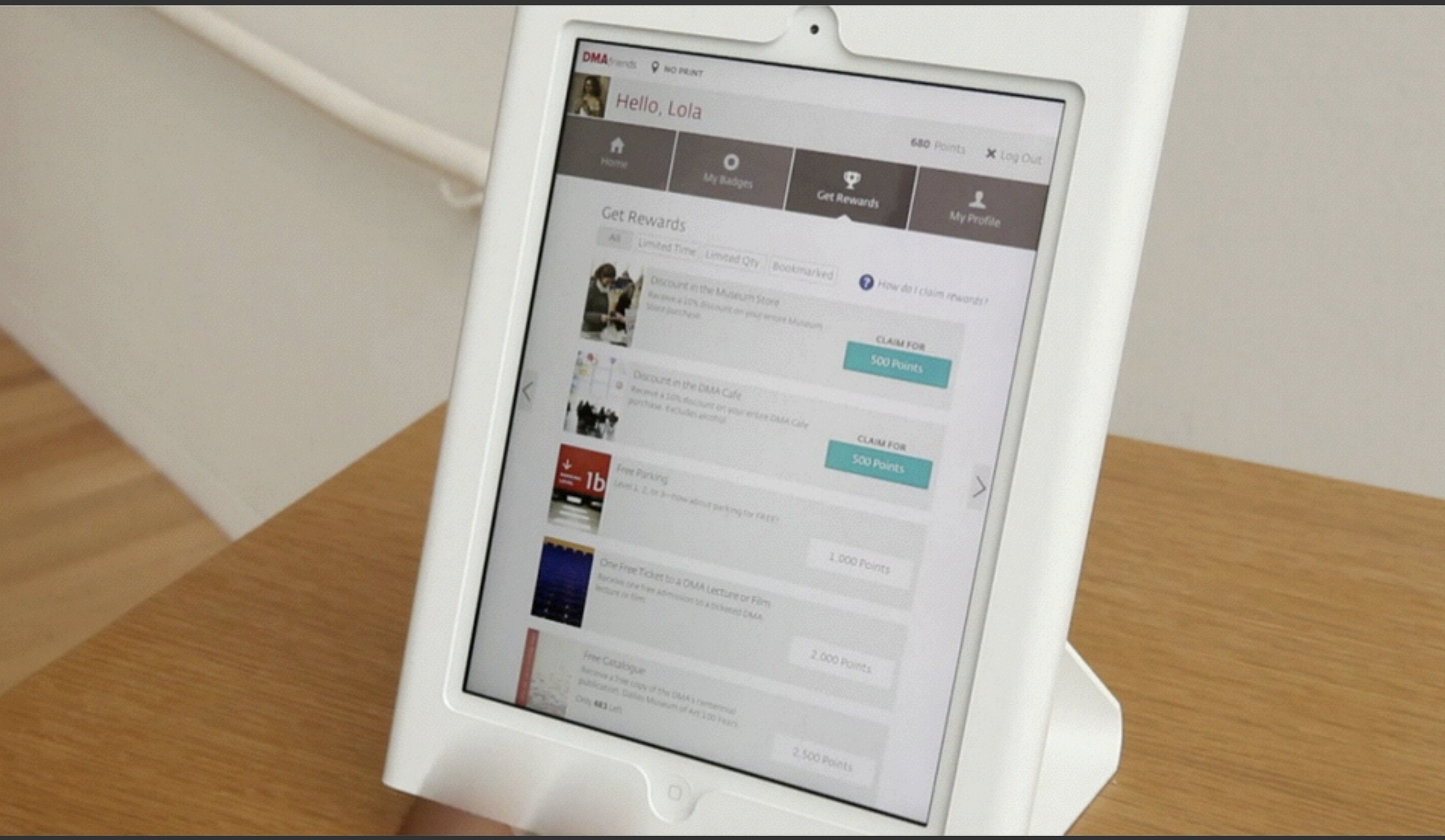

DMA friends
NO PRINT
Hello, Lola
680 Points
Log Out
Home
My Badges
Get Rewards
My Profile
Get Rewards
All
Limited Time
Limited Qty
Bookmarked
How do I claim rewards?
Discount in the Museum Store
CLAIM FOR
500 Points
Discount in the DMA Café
CLAIM FOR
500 Points
Free Parking
1b
1,000 Points
One Free Ticket to a DMA Lecture or Film
2,000 Points
Free Catalogue
2,500 Points

	2012	2013
CMS	68%	69%
Blog/CMS	25%	20%
Blog	7%	6%
App Platform	-	**7%**

What do you use WordPress for?

Why?

- allows you to integrate data + features from WordPress into any application
- build static sites/apps that just pull data in via ajax
- use WordPress as your data storage
- use the json format to transmit data to and from your site
- works with any language/platform as long as it can make HTTP requests

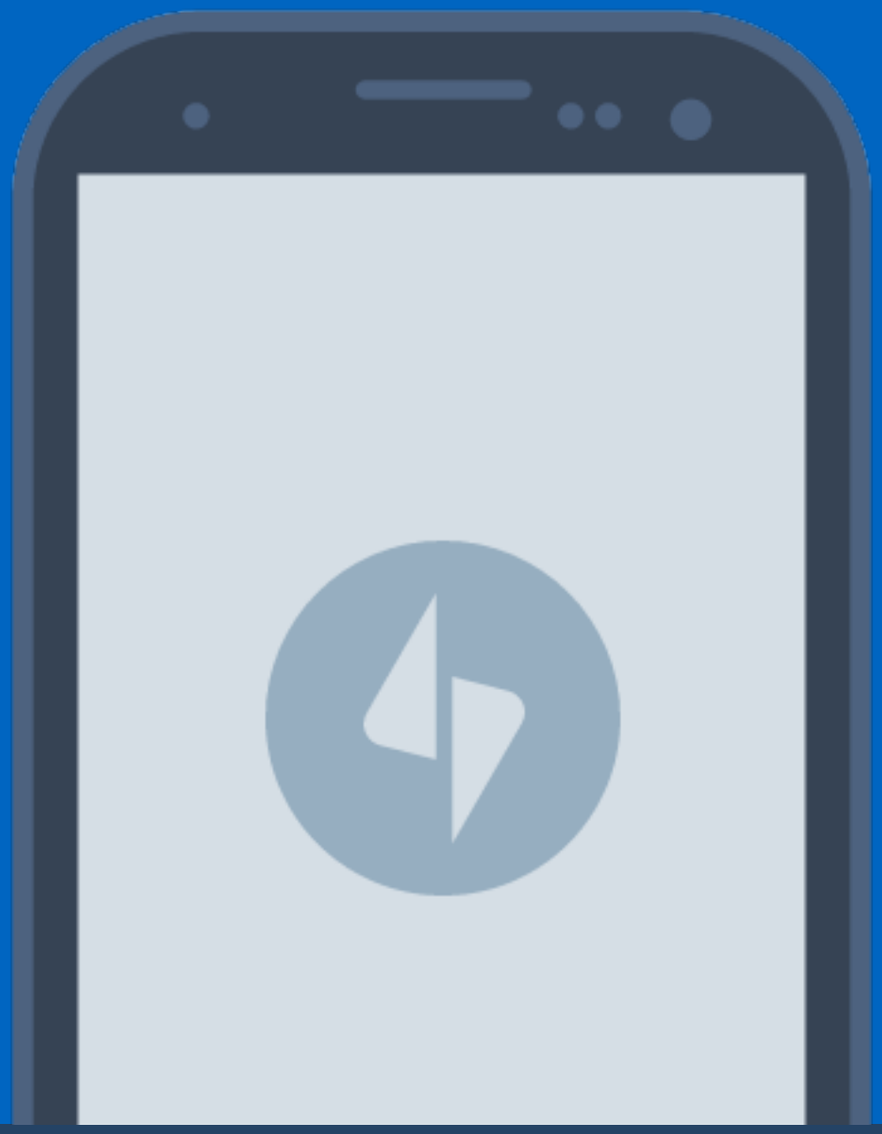
Two Major Options

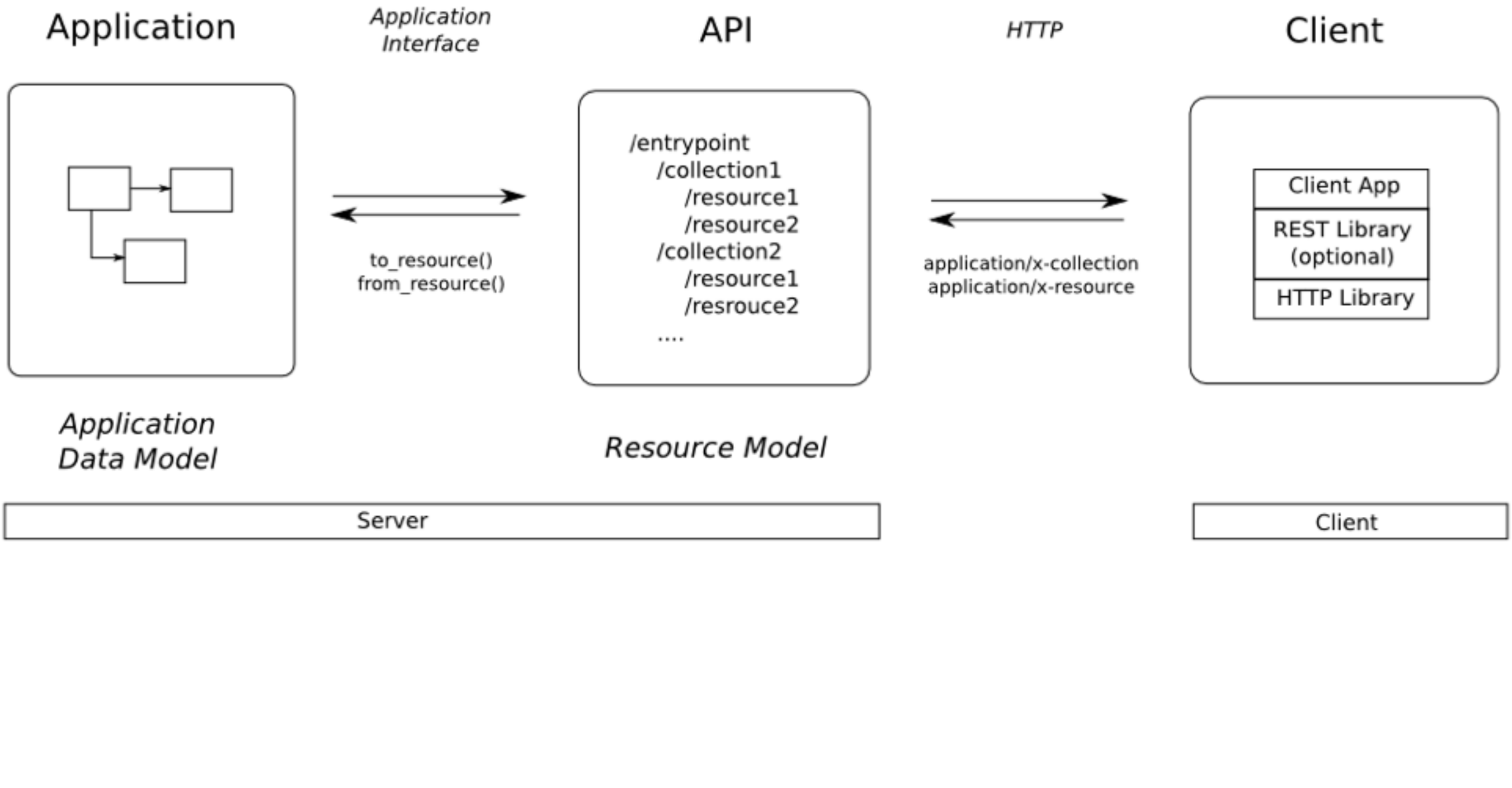
WordPress.com / JETPACK

or

WP-API

Who?




Application
Application Interface
API
HTTP
Client
/entrypoint
/collection1
/resource1
/resource2
/collection2
/resource1
/resrouce2
....
to_resource()
from_resource()
application/x-collection
application/x-resource
Client App
REST Library (optional)
HTTP Library
Application Data Model
Resource Model
Server
Client

Jetpack/WP.com API

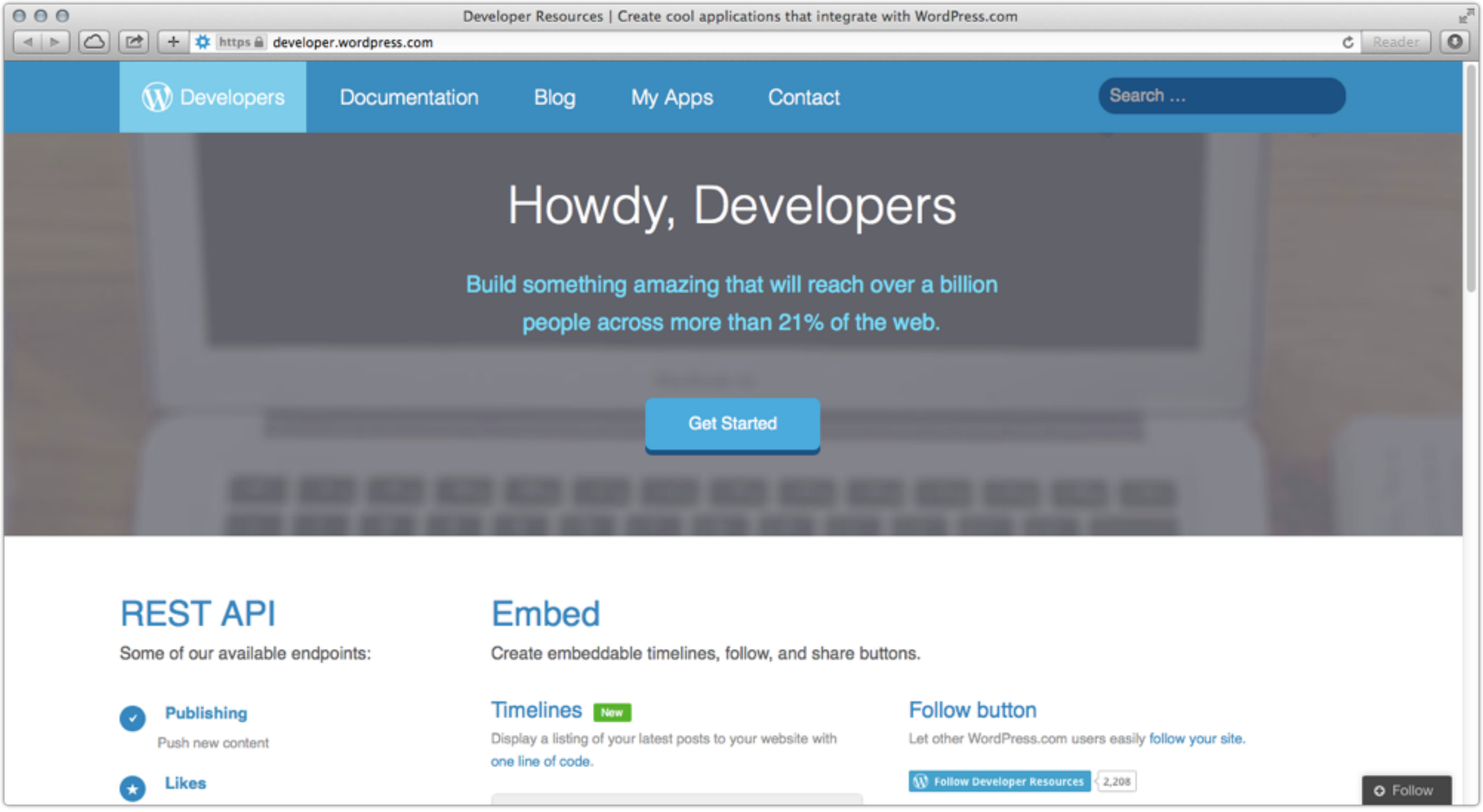
- Works with WP.com and Jetpack-enabled WP.org blogs
- All requests go through public-api.wordpress.com
- Uses oauth2 for authentication
- You need to register an application at developer.wordpress.com
- Insights/stats for each application
- Many real world implementations out there
- More mature and complete API

What can you do with the Jetpack API?

- User info & site info
- Create, edit, delete, find, reblog, and view posts (includes CPTs, post meta & media)
- Create, edit, delete, find, and view comments
- Search & related posts
- Taxonomies (categories/tags & custom ones too)
- Likes & following/subscribing to a blog

What can you do with the Jetpack API?

- WordPress.com Freshly Pressed content
- Notifications
- WP.com stats
- WP.com reader
- Your own app's insights
- Coming soon: Publicize, additional media capabilities, embeds/shortcodes; wp-admin feature parity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developer.wordpress.com
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Contact
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Howdy, Developers
Build something amazing that will reach over a billion
people across more than 21% of the web.
Get Started
REST API
Some of our available endpoints:
Publishing
Push new content
Likes
Embed
Create embeddable timelines, follow, and share buttons.
Timelines
New
Display a listing of your latest posts to your website with
one line of code.
Follow button
Let other WordPress.com users easily follow your site.
Follow Developer Resources
2,208
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Documentation

Getting started with WordPress.com development is easy. Our data is exposed via a REST Application Programming Interface (API) and uses the OAuth2 protocol for authentication.

Ready to start developing your application? Great! Create a new application; you'll need to provide some basic information about your application and then you'll receive an OAuth2 token for use in your application.

In addition to the REST API, we also support additional integrations & partnerships. Take a look at our documentation!

Browse by Topic

API

- REST API
- OAuth Authentication
- Developer Console
- oEmbed Provider API

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REST API Resources

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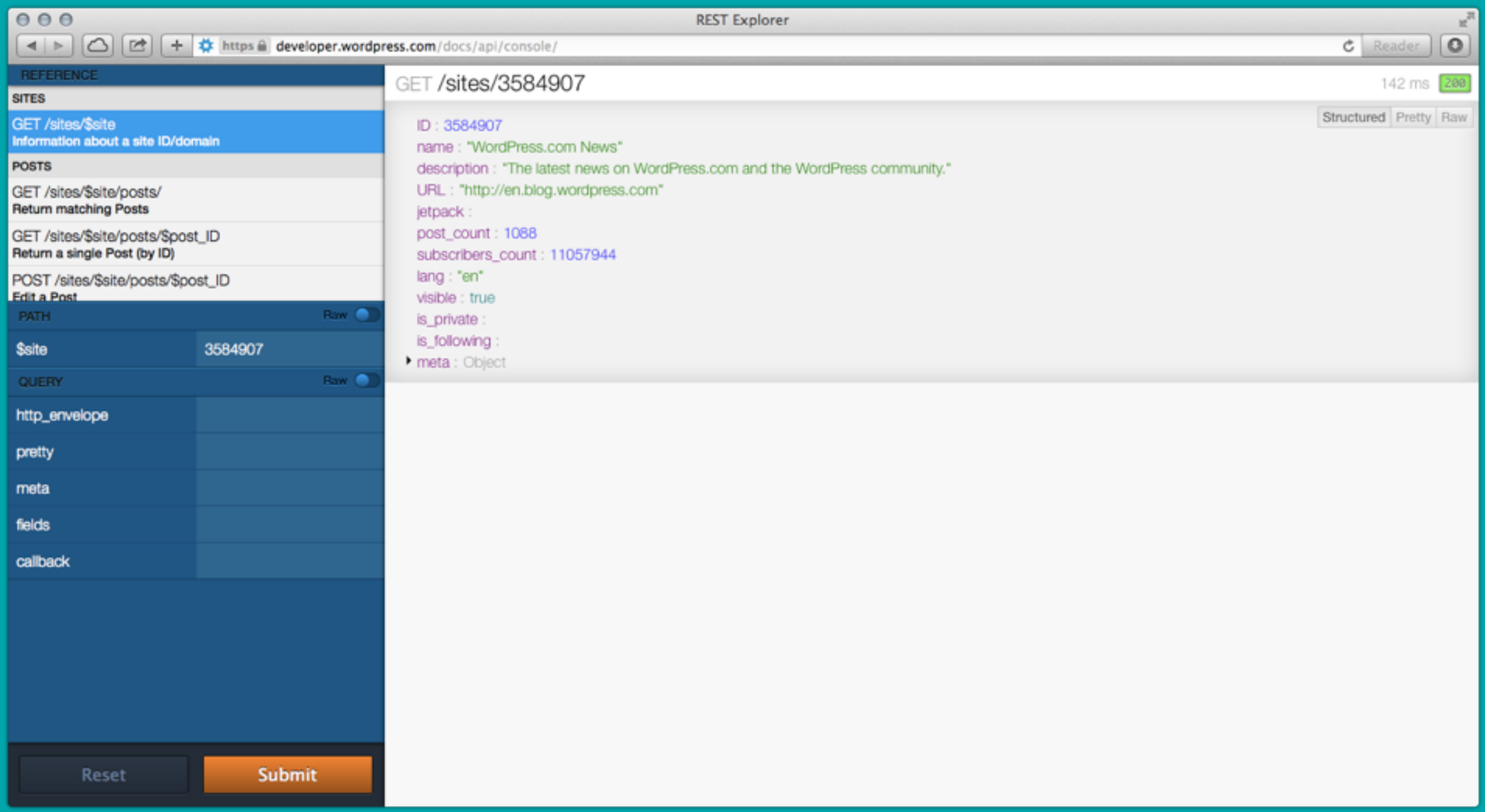
WP-API

- Backed by the core team
- Scheduled for release in core in a future version
- Great infrastructure/ecosystem
- WP-CLI integration
- No large scale implementations yet
- Uses cookies or oauth1 for authentication

What can you do with the WP-API?

- Retrieve and create/update site info, posts, users, taxonomies, comments, post meta, revisions, media
- Truly RESTful (uses GET, POST, PUT, DELETE for different operations)
- Typical route is /wp-json/**object**/**id**
- Expandable via hooks and filters

Both APIs have a console where you can simulate requests and inspect the results that each produce.



Comparison doc in the WP-API Github repo

WordPress JSON API Comparison

The purpose of this document is to compare the WordPress JSON REST API (WP API) to the other WordPress JSON API projects. Included in this comparison are the WordPress.com JSON REST API that is availble as part of JetPack, and the XML-RPC API, which is built into WordPress Core.

Functionality

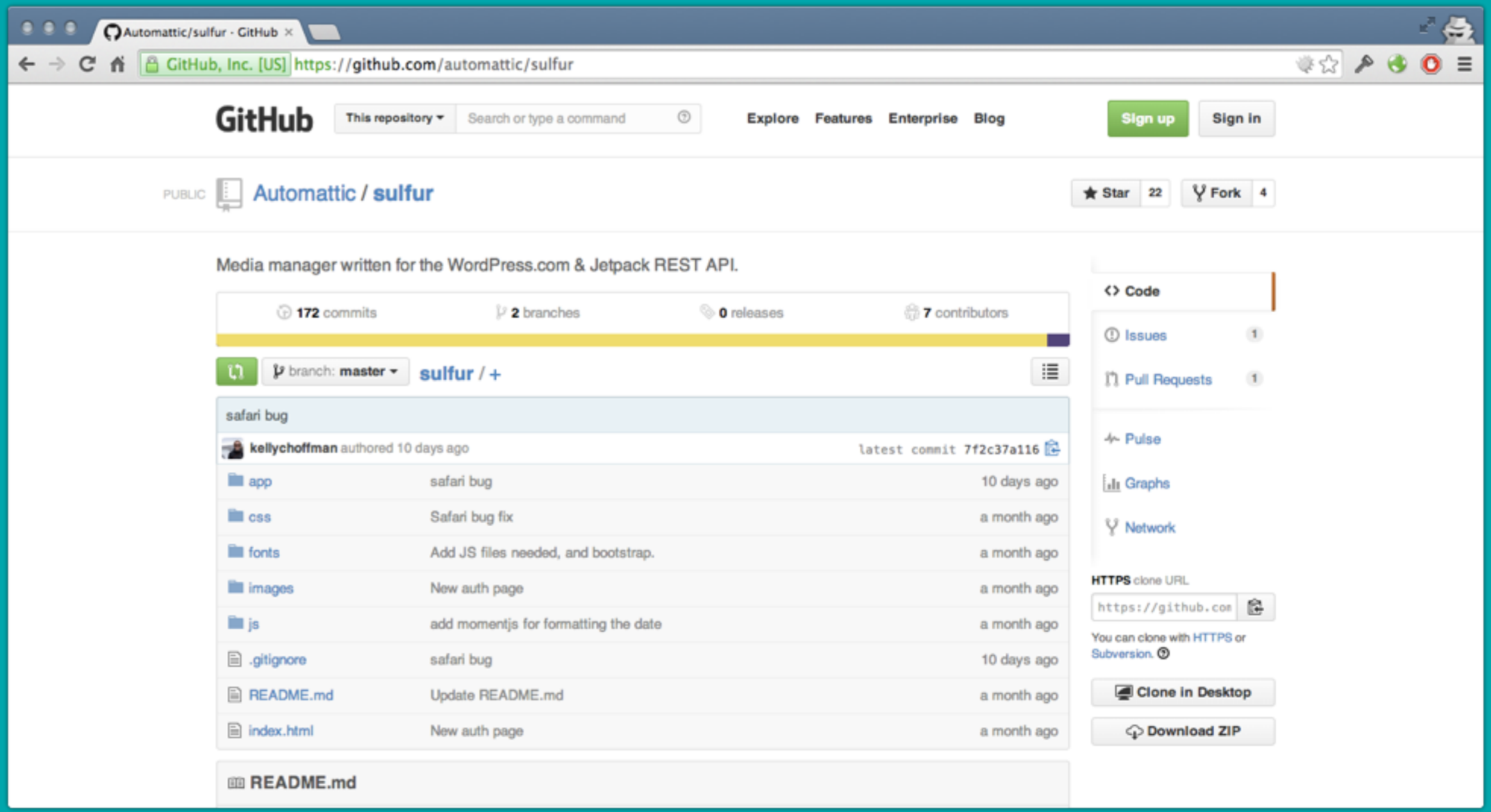
Key

- **M**: Multisite only
- **P**: Available via (official) plugin
- **~**: Partially available

Authentication

Feature	WP API	WP.com JSON API	XML-RPC API
Cookie-based	X		
Basic authentication	P		X
OAuth1	X		
OAuth2		X	

Sulfur Demo Application



JETPACK

is on Github too!

The Future

- Everything from wp-admin should be do-able from the API
- WP-API introduction in core
- WP-API and WP.com/Jetpack APIs will converge
- Maybe someday wp-admin is rewritten as a javascript app that uses the API?

I’m lost! what are my resources?

- WP.com developer site (developer.wordpress.com)
- WP-API resources at wp-api.org
- Tweet us @AutomatticEng
- Contact form on the WP.com developer site (we reply quickly)
- Email me directly: jkudish@automattic.com

Q&A: ASK ME ANYTHING

http://slides.jkudish.com

Joey Kudish
@jkudish

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