



WordCamp Switzerland 2023
#WCCH

Theo Dege

WordPress as Framework for REST-APIs, the secret Weapon

WordPress has had an interface for a REST API since version 4.7 (2016, 7 years) and it is still highly underrated. Why is it there and why is it so important? What can you do with it?



Introduction

Contents

- About me
- What is the WordPress REST API?
- Why is it there?
- Why is it important?
- Why is it the most secret weapon in (Web-)Development?
- Example Use Cases



About me

Theo Dege

- WordPress Development since 2009
- Contributor to plugins since 10 years, today
- Master in Business Informatics in Berlin
- 5 years WordPress Developer in Winterthur
- Since 2020 twofold academy
Educator IT

two
fold
ACADEMY

What is the WordPress REST API?

Where is it?

- It is a collection of Routes and Endpoints
- It's in the core of WordPress
- Running and open by default
- Route is a pattern how to find a way in the web
- Endpoint is the specific resource to interact with
- Try it on `[your-wp]/wp-json`
- There since WP 4.7 (2016)

Why is it there?

Assumptions

- Modernize WordPress
- Easier to interact with it, like on Jamstack pages.
- Also needed for the very first WordPress app
- Already Gutenberg in Mind since 2016 (which came out 2018)
- Pushing boundaries of Open Data (?)
- Technically every WordPress is OpenData now.

Why is it important?

There are some reasons

- Because it helps WordPress content to be rendered everywhere.
apps, web etc.
- It connects WordPress with other services also based on REST
- Can interact with literally every API worldwide

Why is it the most secret weapon?

It is all about automation and information

- REST APIs are the most significant driver of economy.
- Nearly every service today is available thru an API
- WP REST API is completely underestimated.
- Integrate everything into WordPress
- Provide everything with WordPress

Important functions to know

Inside WordPress

- `wp_remote_get` is a WordPress function used to send HTTP GET requests to remote servers.
- `wp_remote_post` is a WordPress function used to send HTTP POST requests to remote servers. (these are faster than curl)
- `register_rest_route` is a WordPress function used to create custom routes / endpoints for the REST API in WordPress.

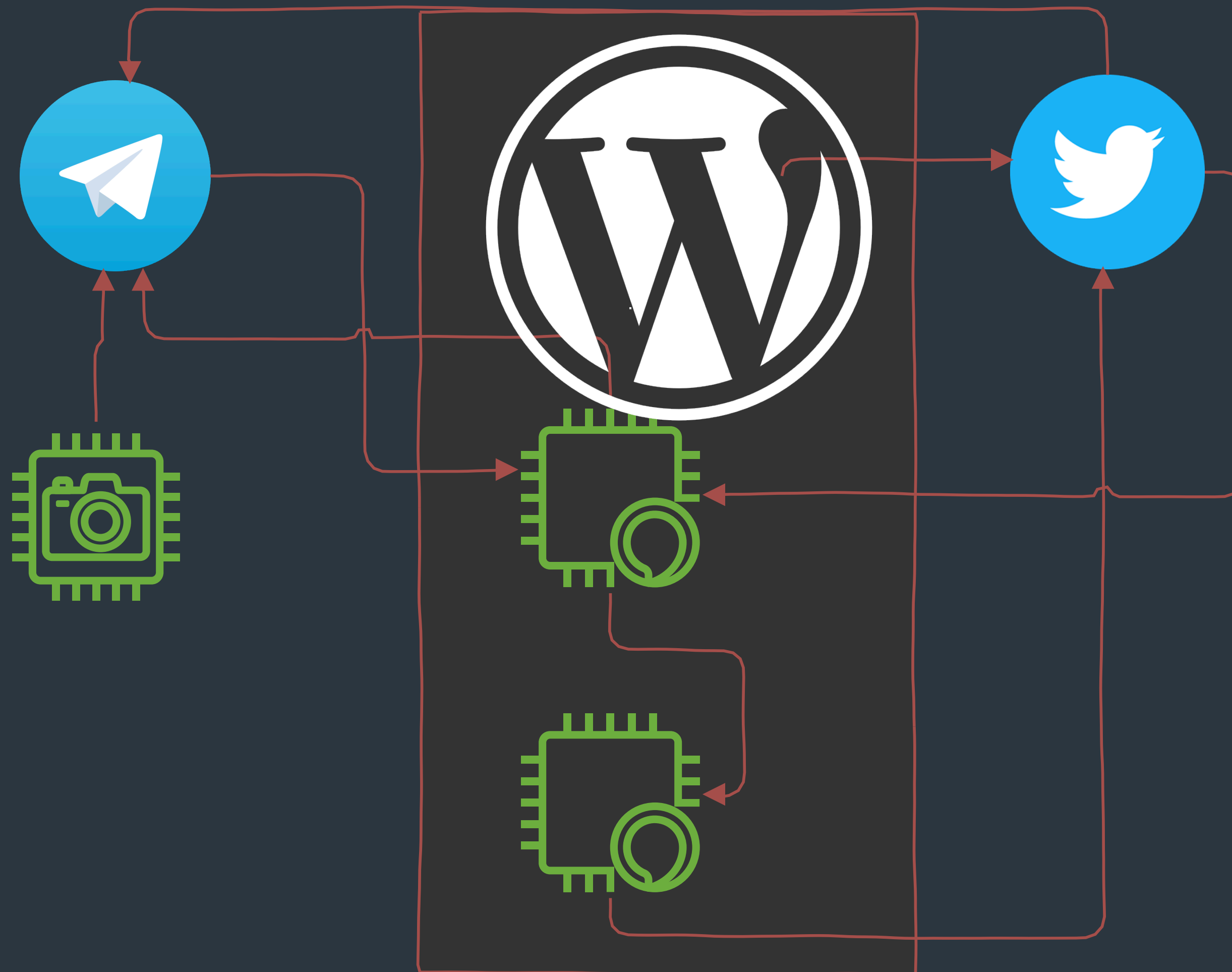
Example Use cases

Automated Tweeting and Meme-Generators

- Audience image (joke)
- <https://www.wissensmarktplatz.com/audience>
-

Example Use cases

Automated Tweeting and Meme-Generators





WordCamp Switzerland 2023
#WCCH

Any questions?

Des questions?

Fragen?





WordCamp Switzerland 2023
#WCCH

Theo Dege

WordPress as Framework for REST-APIs, the secret Weapon

WordPress has had an interface for a REST API since version 4.7 (2016, 7 years) and it is still highly underrated. Why is it there and why is it so important? What can you do with it?

