

Love building websites with Drupal 8

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A Vision for you...

I am building an Open Source Drupal distribution that will be easy to download and install, a great meeting finder, an event listing, announcement notifications, meeting import and export (open data), and many optional blocks that offer best practices and follow traditions (like a block about “You think you have a problem”..

As a Drupal 8 distribution, it is secure and scalable, built for mobile and multilingual, and have access to 1000’s of contributed modules and developers. As an Open Source project, it is collaborative, free, and owned by no one.

I can’t do this alone. If you share this vision, I need help, first from developers, but also from planners, and writers.

Caveats

I'm not trying to generate business, I have a full time job

This is a good long term solution, but it's not ready for general use yet.

Wordpress is a viable solution too. They are different and have different strengths and weaknesses. What I think is important is the common data format.

This is not an official project, this is my labor of love, build it and they will come

Drupal is the harder of the existing solutions, but it is the most powerful one, thus my goal to build it once right, so that you don't have to

Who am I?

I belong here!

I've been a developer for 30 years.

I hand typed the first 100+ pages of the book before giving up.

I have the big book on 5.25" floppy disk, and I wrote a program to extract the text from the proprietary format.

I was on the AA Men's email list meeting in the 1990's and attended the 1995 International Conference Tech Hospitality room.

I suffer from oppositional defiance disorder :)

How do computers work?

An AA computer joke...

The short form - Every modern house has electric wiring caring power and light to it's interior. ... Silently and surely, electricity that strange energy so few people understand, meets our simplest daily needs.

The long form - you turn them on.

How does the Internet work?

Refer to the last slide

Really, it would be easier to understand how babies are made

The Internet is many things, it's hardware that connects everything, and it's protocols (communication agreements) that allow applications to talk to each other.

But what you're probably really asking is, how do websites work?

How do websites work?

CSS/HTML, static “brochure” sites

Client/Server

Server frameworks - CMS's - Wordpress, Drupal, Joomla, node.js

Client frameworks - react, angular, ember

Responsive CSS and phone apps

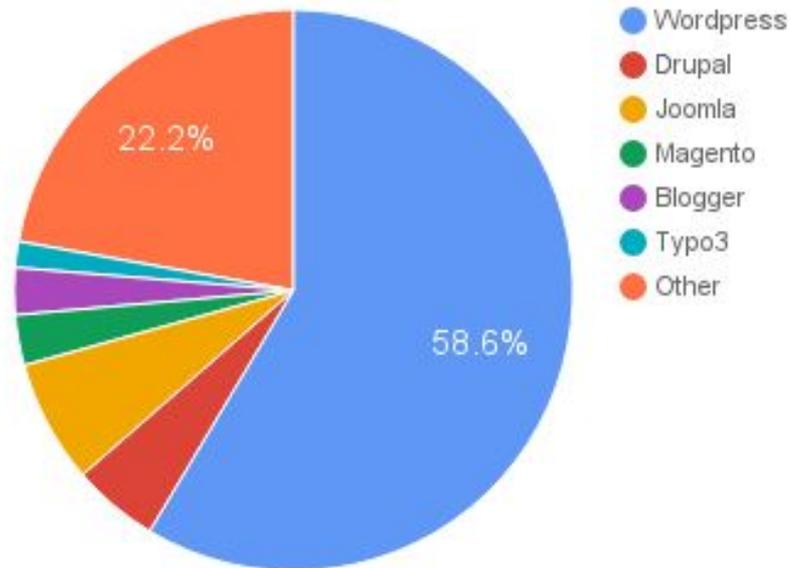
Headless CMS's, data exchange formats, REST API, json

What is a Content Management System (CMS)?

“A content management system (CMS) is a computer application that supports the creation and modification of digital content using a simple interface to abstract away low-level details unless required, usually supporting multiple users working in a collaborative environment.”

- https://en.wikipedia.org/wiki/Content_management_system

CMS Market Share



- https://w3techs.com/technologies/history_overview/content_management

What is Drupal?

“Drupal is the #1 platform for web content management among global enterprises, governments, higher education institutions, and NGOs. Flexible and highly scalable, Drupal publishes a single web site or shares content in multiple languages across many devices. ... backed by one of the world’s most innovative open source communities.”

“Technology professionals look for reliability, security, and the flexibility to create the features they want without weighty features they don’t need. They require a platform with a strong architecture, integrating with third-party applications. Drupal provides all this and more, conforming to their technical and business requirements, not the other way around.”

- <https://drupal.com/product/web-content-management>

What is Open Source

“The term "open source" refers to something people can modify and share because its design is publicly accessible.

The term originated in the context of software development to designate a specific approach to creating computer programs. Today, however, "open source" designates a broader set of values—what we call "the open source way." Open source projects, products, or initiatives embrace and celebrate principles of open exchange, collaborative participation, rapid prototyping, transparency, meritocracy, and community-oriented development.”

- <https://opensource.com/resources/what-open-source>

What is a Drupal Distribution?

“Installation profiles combine core Drupal, contributed modules, themes, and pre-defined configuration into one download. Installation profiles provide specific site features and functions for a specific purpose or type of site. They make it possible to quickly set up a complex, use-specific site in fewer steps than if installing and configuring elements individually.”

- <https://www.drupal.org/docs/7/creating-distributions>

Demo

Play Site-Install.mov

What is Drupal Core?

Drupal 7, Drupal 8

Multilingual

Mobile, HTML5

Content types, vocabularies/taxonomies, users/roles

Product verses an API

Security - xss, sql injection

The Community

What is Drupal contrib?

Views

Panels - panopoly

Content editing workflow

Google Analytics, Sitemap

3rd party mail integration

1000's of other modules

What is the Drupal Twelve Step Distribution?

Refer back to the vision: “an Open Source Drupal distribution that will be easy to download and install, a great meeting finder, an event listing, announcement notifications, meeting import and export (open data), and many optional blocks that offer best practices and follow traditions (like a block about “You think you have a problem”..

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Data exchange, data migration

Meetingguide (import)

- - let's talk about the relationship between meetings, groups, and locations
- - let's look at the existing JSON format

Migrate (import) CSV

- Modifying a migration

Meetingguide export and format, open data

Getting technical, architecture

I spent a lot of time on the software, not as much on this presentation. We're going to get into the weeds a bit here.

Data model, data migration (import), data export - let's look at the migration templates

Module and theme hierarchy - let's look at the project hierarchy

Adding your own custom modules and themes

