

DRUPAL

DEVELOPER DAYS

Milan, Italy - June 21st to June 26th 2016

History of Drupal: From Drop 1.0 to Drupal 8

milan2016.drupaldays.org

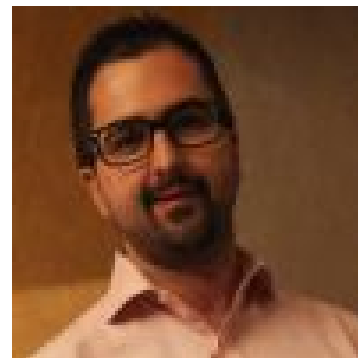
Tamer Zoubi 

 @wsdotagency

About me

Tamer Zoubi

from Zagreb, Croatia



CTO at WEBSOLUTIONS | HR (<http://websolutions.hr>)

President of Drupal Croatia Association (<http://drupal.hr>)

Drupalist in free time (<https://www.drupal.org/u/tamerzg>)

Agenda

1. Web before Drupal
2. How Drupal not only survived massive changes in web industry; but it has also helped drive them
3. Why and how was Drupal created?
4. Tour through Drupal 1.0 to 8.1
 - a. **Lookback of how key Drupal features we use today (eg: concept of modules, nodes and multilingual support) evolved over time**
 - b. **Important Drupal events**
5. Drupal in future

Web before Drupal



How Drupal survived

massive changes in web industry

Not only that it survived massive changes in the web industry, but it has also helped drive them:

- Open source
- Modularity
- Concept of "nodes" rather than "pages"
- Constant evolution and reinvention over backward compatibility

Why and how was Drupal created?

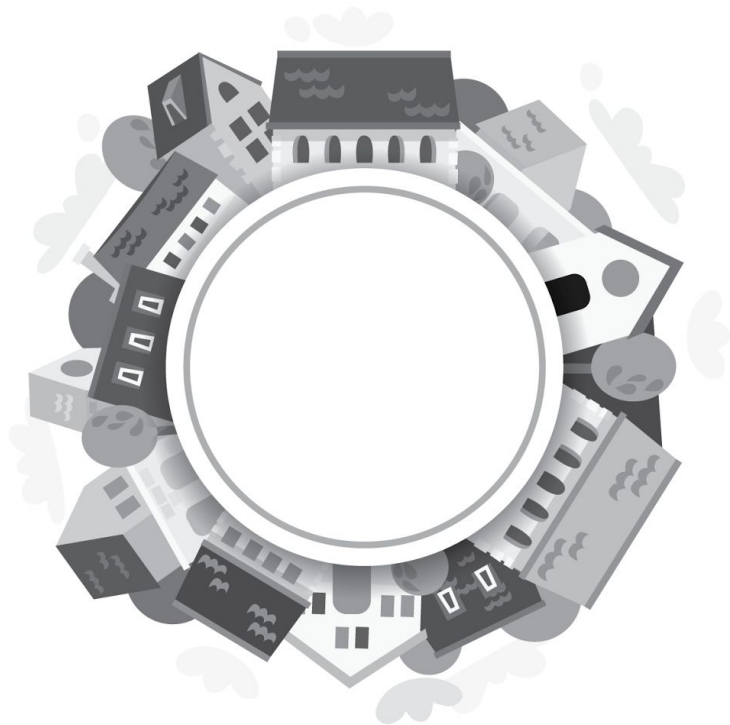
“For me the history of Drupal is a chain of interesting surprises.”

— Dries Buytaert
Drupal Founder and Project Lead



The concept that was...

Dorpje, drop, druppel



From druppel to Drupal



index : drupal

For more information about this repository, visit the project page at <http://drupal.org/project/drupal>

summary refs log tree **commit** diff stats

```
author    Dries Buytaert          2000-12-29 11:00:56 (GMT)
committer Dries Buytaert          2000-12-29 11:00:56 (GMT)
commit    fd64164419060f4420ece6c7766c5693577f67ef (patch)
tree      620f34c7b35cflc468d121d34e7763d9422a7b63
parent    10381949f8bf63608749754f9f348504179346d8 (diff)
```

Surprise, surprise. After nothing but code, a large batch of changes:

- removed droplets
- added (optional) admin_blocks module
- added (optional) affiliate module
- added (optional) about module (only placeholder, under construction)
- fixed some tiny bugs (e.g. quote bug in search.php)
- partionally rewrote some modules to be big, bad and better
- ~~partionally rewrote some modules to be more uniform~~
- added GNU GPL license to CVS

Also:

- installed PHP 4.0.4 on my localhost and now working
- ~~towards PHP 4.0.4 compatibility~~
- I think I'll baptize the engine "drupal". If you have a better idea, try convincing me ASAP.

Todo:

- more testing (also with PHP 4.0.4)
- make "project"-module: download, info, blah blah
- complete documentation

15.01.2001

Drupal 1.0

- Fully-featured CMS suitable for a news-driven community or portal site
- Concepts of stories & books for content
- Written after Slash and Scoop
- No menu router, everything is accessed through .php files
 - eg: `account.php`, `admin.php`, `submission.php`, `module.php`, etc.
- Name for guest users: "Anonymous Chicken"

15.01.2001

Drupal 1.0

- Database abstraction layer
 - **mySQL only but it should be straightforward to port to other databases**
 - `db_query()`, `db_fetch_object()`, `db_fetch_array()` identical functions remained until Drupal 7
 - **no install script, comes with SQL file**
 - **15 tables only**



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Interesting built-in pages

Posted by [admin](#) on Tuesday, 11/17/2015 - 13:50

[Announcements](#)

[[read more](#) | 826 bytes | [2 comments](#)]

Drupal 1.0.0 initial release & story - 2001-01-15

Posted by on Monday, 11/16/2015 - 18:37

[Announcements](#)

The initial release of Drupal 1.0.0 & the ancient history

[[read more](#) | 2162 bytes | [3 comments](#)]

admin's configuration

- [track your comments](#)
- [track your stories](#)
- [track Drupal 1.0](#)
- [submission queue \(0\)](#)
- [edit your information](#)
- [edit your preferences](#)
- [edit site content](#)
- [administrate Drupal 1.0](#)
- [edit your diary](#)
- [view your diary](#)
- [logout](#)

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Drupal 1.0

Features

- **Story submissions**
- **Diary**
- **Accounts**
- **Comments**
- **Search**
- **RDF/RSS headlines**
- **Calendar**

1.0

2.0

3.0



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Edit you diary

Enter new diary entry:

Allowed HTML tags: `<A><BLOCKQUOTE>
<DD><DL><DT><HR><I><SMALL><U>`.

Preview diary entry

admin's configuration

- [track your comments](#)
- [track your stories](#)
- [track Drupal 1.0](#)

- [submission queue \(1\)](#)
- [edit your information](#)
- [edit your preferences](#)
- [edit site content](#)

- [administrate Drupal 1.0](#)

- [edit your diary](#)
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Modularity from beginning

- Dries wanted to have a system which is as modular as possible
“modular design provides flexibility, adaptability, and continuity which in turn allows people to customize the site to their needs and likings”
- *Dries Buytaert in documentation.module*
- A Drupal module is simply a PHP file containing a set of routines

Drupal 1.0 Administration

module	operations		
account		admin	rehash
affiliate-site		admin	rehash
ban		admin	rehash
block	view	admin	rehash
box		admin	rehash
calendar			rehash
comment		admin	rehash
cron		admin	rehash
diary	view	admin	rehash
documentation	view	admin	rehash
drupal	view		rehash
drupal-site		admin	rehash
faq	view		rehash
headline	view	admin	rehash
module		admin	rehash
story		admin	rehash
watchdog		admin	rehash
wishlist	view		rehash

Drupal 1.0

Hooks

Hook name	Hook description
<code>admin</code>	If a module requires a spot in the administrator section it should implement <code>module_admin</code> . The engine will automatically add a link to the administration menus and will call <code>module_admin</code> when this link is followed. In order to make virtually any module maintainer's life easier, you don't have to worry about access rights or permissions for that matter. The engine will only allow privileged users to call exported <code>admin</code> functions.
<code>block</code>	Any module can export a block to be displayed by making the block function return an associative array of blocks. Each block in the array requires a "subject", "content", "info" and "link" field.
<code>cron</code>	Modules that require to schedule some commands to be executed on regular intervals can implement the <code>cron</code> interface: the engine will then call <code>module_cron</code> at the appropriate intervals defined by the administrator. This interface is particularly handy to implement timers or to automate certain tasks like for instance database maintenance, recalculation of settings or parameters, automatic mailings and so on.
<code>help</code>	By implementing the help hook, a module can make documentation available to the engine or to other modules.
<code>export</code>	The export hook allows a module to export data and to function as a XML/RDF/RSS backend. All you have to do in your export function is examine the array of strings containing the URI and figure out where you're at. This hook is typically used to export news headlines, but can be used to export virtually anything ranging from diary entries, reviews, rapports to entire discussions.
<code>page</code>	If a module requires its own page it should provide a function named <code>module_page</code> . The page can then be publicly accessed via <code>http://yourdomain.com/module.php?mod=module</code> which will cause the engine to invoke <code>module_page</code> in order to generate the module's page.
<code>user</code>	If a module requires to extend any of the setting pages available to individual users, it should implement the user hook. The function takes 3 parameters, resp.: <code>\$username</code> , <code>\$section</code> ("user", "site", "content") and <code>\$operation</code> ("edit", "view", "save").

Drupal 1.0

Themes

- Drupal's theme system is simple, elegant, flexible and powerful
- You control all aspects of your drupal site in terms of colors, markup, layout and even the position of most blocks (or boxes)
- Very simple, just one *.theme file
- Theme() class with five PHP functions
 - header(), story(), controls(), box(), footer()
- Drupal core themes: jeroen, marvin, unconed

Community engagement

- It is possible for each and every user to become a contributor
- diff and patch for content control
- Patches were submitted via e-mail and in plain text; maintainers can read and judge the patch



🔥 **American democracy is taking a step forward.**

Submitted by [Dibbit](#) on Sunday, December 03rd, 2000 - 16:47

[Politics & Freedom](#)

In the light of America's failure to elect a President, The Queen of England has given notice to the revocation of their independence. The revocation containing this notice also included some rules that are to be introduced in America.

[[read more](#) | 3493 bytes | [10 comments](#)]

🔥 **Hack for the community!**

Submitted by [Refrag](#) on Saturday, December 02nd, 2000 - 14:37

[Coding & Webdesign](#)

Hackers have a great sense of community, I just wish that more of their time was spent benefitting the community.

[[read more](#) | 2043 bytes | [2 comments](#)]

🔥 **Making a weblog into a scientific journal**

Submitted by [hepster](#) on Saturday, December 02nd, 2000 - 14:32

[Coding & Webdesign](#)

15.03.2001

Drupal 2.0

- Added translation / localization / internationalization support, the famous **t()**
 - “because many people would love to see their website showing a lot less of English, and far more of their own language, drupal provides a framework to setup a multilingual website or to overwrite the default English text in English.”
 - Adding a new language requires you to edit configuration file and SQL database manually

1.0

2.0

3.0

4.0

15.03.2001

Drupal 2.0

- Added fine-grained user permission (or group) system
 - `user_access()`
- Added "user ratings"
 - similar to SlashCode's karma or Scoop's mojo
- Added sections for stories
 - this will later evolve in taxonomy

1.0

2.0

3.0

4.0



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Drupal 2.0.0 release notes - 2001-03-15

Posted by [admin](#) on Tuesday, 11/17/2015 - 11:15

Archive announcement of Drupal 2.0.0 features and changes

[[read more](#) | 318 words | [1 comment](#)]

admin's configuration

- [track your comments](#)
- [track your stories](#)
- [track Drupal 2.0](#)

- [edit your information](#)
- [edit your preferences](#)
- [edit your content](#)

- [administer Drupal 2.0](#)

- [submission queue](#) (2)
- [edit your diary](#)
- [view your diary](#)

- [logout](#)

[home](#) | [faq](#) | [diary](#) | [search](#) | [submit news](#) | [user account](#)

Drupal 2.0 Administration

[account](#) | [affiliate-site](#) | [ban](#) | [block](#) | [box](#) | [comment](#) | [cron](#) | [diary](#) | [documentation](#) | [drupal-site](#) |

[overview](#) | [search account](#) | [help](#)

ID:	1
Username:	admin
Status:	open
Access:	na
Real name:	na
Real e-mail address:	info@websolutions.hr
Fake e-mail address:	na
URL of homepage:	na
Last access:	Sunday, 02/28/2016 - 14:55 from 93.136.108.231
User rating:	0.0000
Bio information:	na
Signature:	na
Theme:	na
Timezone:	na
Selected blocks:	na
Submitted stories:	
Submitted comments:	na
<input type="button" value="Edit account"/> <input type="button" value="Delete account"/>	

1.0

2.0

3.0

4.0



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Collaborative Publishing for Global Greens endorsed by the Australian National Greens

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Forums

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Affiliate sites

select a site ⌵

Green Webring

"The Science of Elections" - Brams & Herschbach

by Anonymous on Wednesday, November 28, 2001 - 00:24

The Science of Elections seems to favor approval voting over other schemes such as those favored by Green Parties worldwide and already in place.

Should Greens be supporting Approval Voting?

[[read more](#) | 725 words | [2 comments](#)]

[Elections](#)

Green Party of Canada rejects "left" label and NDP NPI

by Anonymous on Saturday, November 24, 2001 - 19:55

The Green Party of Canada rejects "the left", "the right", and recent overtures by the New Democratic Party's "New Politics Initiative" to "unify the left in Canada" at the federal level. [Full story](#)

[[1 comment](#)]

[Media - CA](#)

New AU Environment Minister Could Hardly Have Been Worse

by [editor](#) on Friday, November 23, 2001 - 15:51

AU Greens Senator Bob Brown writes: "Dr Kemp's one and only mention of 'forests' since 1990, in over

Browse archives

< November 2001						
>						
S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

Information

The objects for which **GlobalGreens.org** was established are;-

- To help develop collaborative news, information and policy development sharing opportunities for Green groups and organisations around the world.



🔥 Knowledge Management and Community conference

Submitted by [Dries](#) on Wednesday, December 12, 2001 - 19:19

[Cameron Barrett](#), long-time information architect, [wrote](#):

Yesterday, I attended the Knowledge Management and Community conference at the Javits Center here in NYC. It was put together by a company called [Basex](#), who sells industry and analyst reports. [Akonix](#) was one of the companies represented there, and one of the speakers was from Akonix.

[Dries's blog](#) · [0 comments](#) · [read more](#)

🔥 Entry Templates Revisited - Functional Requirements

Submitted by [j0e](#) on Tuesday, December 11, 2001 - 03:57

I'd like to create special templates for data entry. An example that I've used before is in the drupal handbook, every function page should have the same data and format.

*The problem is that it is difficult for users to follow this convention and the formatting is included in the post, so it would be difficult to later reformat or change the template.
[[from a previous post](#)]*

Drupal **2** in numbers

Number of Core modules

22

Development Time

presented in months

2

15.09.2001

Drupal 3.0

Everything is based on nodes

- Framework for all content types (story, book, diary, forum, blog)
- Fortuitous early decision was to focus Drupal on the concept of "nodes" rather than "pages"
- It wasn't until 10 years later with the rise of mobile that we started to see the web revolve less and less around pages

15.10.2001.

Drupal 3.0



[home](#) · [submit](#) · [account](#) · [user blogs](#) · [collaborative book](#) · [site cloud](#) · [cvs messages](#) · [forum](#) · [news fe](#)

🔥 Lorem ipsum

Submitted by [admin](#) on Wednesday, November 18, 2015 - 16:29

n/a

🔥 Drupal 3.0.1 release notes - 2001-10-15

Submitted by [admin](#) on Tuesday, November 17, 2015 - 13:26

One month later 3.0.1 released. NTLDR changelog warning!

[read more](#)

🔥 Drupal 3.0.0 release notes - 2001-09-15

1.0

2.0

3.0

4.0

4.1

Drupal 3.0

Administer permissions

[home](#) | [roles and permissions](#) | [user accounts](#) | [blocks](#) | [collaborative book](#) | [boxes](#) | [site cloud](#) | [comments](#) | [help](#) | [news and filters](#) | [watchdog](#)

[add new role](#) | [role overview](#) | [permission overview](#) | [help](#)

	anonymous user	authenticated user
access administration pages	<input type="checkbox"/>	<input type="checkbox"/>
access blogs	<input type="checkbox"/>	<input type="checkbox"/>
access comments	<input type="checkbox"/>	<input type="checkbox"/>
access content	<input checked="" type="checkbox"/>	<input type="checkbox"/>
access cvs messages	<input type="checkbox"/>	<input type="checkbox"/>
access news feeds	<input checked="" type="checkbox"/>	<input type="checkbox"/>
access site cloud	<input type="checkbox"/>	<input type="checkbox"/>
access submission queue	<input type="checkbox"/>	<input type="checkbox"/>
access user ratings	<input type="checkbox"/>	<input type="checkbox"/>
administer blocks	<input type="checkbox"/>	<input type="checkbox"/>
administer blogs	<input type="checkbox"/>	<input type="checkbox"/>
administer book	<input type="checkbox"/>	<input type="checkbox"/>
administer comments	<input type="checkbox"/>	<input type="checkbox"/>
administer locales	<input type="checkbox"/>	<input type="checkbox"/>
administer meta tags	<input type="checkbox"/>	<input type="checkbox"/>
administer news feeds	<input type="checkbox"/>	<input type="checkbox"/>
administer nodes	<input type="checkbox"/>	<input type="checkbox"/>
administer roles and permissions	<input type="checkbox"/>	<input type="checkbox"/>
administer settings and filters	<input type="checkbox"/>	<input type="checkbox"/>
administer site cloud	<input type="checkbox"/>	<input type="checkbox"/>
administer statistics	<input type="checkbox"/>	<input type="checkbox"/>
administer users	<input type="checkbox"/>	<input type="checkbox"/>
administer watchdog	<input type="checkbox"/>	<input type="checkbox"/>

December 2001 drupal.org

drupal.org

home | user blogs | collaborative book | archives | chatbox | cvs messages | forum | cvs access | drupal sites | projects | search | user account

Drupal engine

Submitted by [kika@trip.ee](#) on Monday, January 21, 2002 - 16:09

Project description

Drupal is the English pronunciation for the Dutch word 'druppel' which stands for 'drop'. Drupal is a content management/discussion engine suitable to setup or build a content driven or community driven website. We aim towards easy installation, excessive configuration and fine-grained maintenance capabilities. Due to its modular design Drupal is flexible and easy to adapt or extend. Drupal is written using [PHP](#). The source code is available under terms of the [GNU General Public License \(GPL\)](#).

Mission statement

To develop a leading edge open-source content management system that implements the latest thinking in community publishing, knowledge management, and software design. We value flexibility, simplicity, and utility in our product; teamwork, innovation, and openness in our community; and modularity, extensibility and maintainability in our code.

Download Drupal

- [Drupal 3.0.2](#) (2001/12/26 - [release notes](#) - latest version)
- [Drupal 3.01](#) (2001/10/15 - [release notes](#))
- [Drupal 3.00](#) (2001/09/15)
- [Drupal 2.00](#) (2001/03/15)
- [Drupal 1.00](#) (2001/01/15)

Drupal support and development

Drupal website

- <http://www.drupal.org/>

Drupal documentation

- [Drupal handbook](#)

Drupal mailing lists

- [Mailing list information](#)

Log in

Username:

Password:

Remember me

[REGISTER](#)

Project information

Drupal

Bugs: 9 open

Features: 13 open

User blogs

[Location of the Teaser Textarea?](#)

[Radio to Drupal via Blogger](#)

[XSLT experience](#)

[Rethinking Drupal's meta tags beyond](#)

[version 3](#)

[Archives](#)

1.0

2.0

3.0

4.0

4.1

Drupal 3 in numbers

Number of Core modules

26

Development Time
presented in months

6

kerneltrap.org

Coming out to the world of techies

- In 2002 Dries initiated a relationship with Jeremy Andrews author of kerneltrap.org and suggested Drupal as an alternative to PHP-Nuke
 - kerneltrap.org was a very popular news site reporting about Linux
 - Feb.2002 kerneltrap.org is migrated on Drupal 3.0.2
- Jeremy wrote Throttle module which will later be included in core and became one of top Drupal contributors
- He reported on his early conversion to work with Drupal on kerneltrap.org

2002

Linux: Enterprise Volume Management System v1.0.0

Submitted by [Jeremy Andrews](#) on Friday, March 29, 2002 - 14:30

The [Enterprise Volume Management System](#) Project has released v1.0.0 of their storage management system. The GPL'd code is developed by [IBM](#), and is compatible with both stable kernel 2.4.17 and development kernel 2.5.3. Find more information on their [docs page](#), and in the latest [release notes](#).



"The Enterprise Volume Management System (EVMS) Project has the goal of providing unparalleled flexibility and extensibility in managing storage. It represents a new approach to logical volume management, as the architecture introduces a plug-in model that allows for easy expansion or customization of various levels of volume management."

[[read more](#) | [0 comments](#)]

Linux: bkbits.net Downtime

Submitted by [Jeremy Andrews](#) on Thursday, March 28, 2002 - 15:22

Larry McVoy recently reported a disk failure on the server that is '[bkbits.net](#)', the [BitKeeper](#) online source code repository. Larry explains,



"We did indeed lose the primary disk (IBM 40GB, I am starting to lose all the respect I had for IBM drives, this is one of many that has failed on me personally). I have restored from the backup disk, and in the process redone hardlinks across all the linux kernel trees, which saved about 5GB (nice). All trees which are now on bkbits.net check clean, which means BK thinks all the files are there and that the checksums are correct, a fairly reasonable indication that we are in good shape."

Find an earlier discussion about BitKeeper [here](#). Larry's full emails follow.

[[read more](#) | [0 comments](#)]

BeOS: AtheOS Fork To Become BeOS Clone

Submitted by [Jeremy Andrews](#) on Wednesday, March 27, 2002 - 05:57

Login

Username:

Password:

[REGISTER](#)

Navigation

- [Home](#)
- [User Blogs](#)
- [Submit Story](#)
- [Contact Us](#)

Sections

- [Interviews](#) (03/13/02 - 02:14)
- [BeOS](#) (03/27/02 - 05:57)
- [FreeBSD](#) (03/25/02 - 14:32)
- [Hurd](#) (03/14/02 - 04:41)
- [Linux](#) (03/29/02 - 15:11)
- [OpenBSD](#) (03/27/02 - 04:51)
- [Tools](#) (03/07/02 - 15:24)

Search With Google

15.06.2002

Drupal 4.0

“Drupal is now really a platform for any type of web application as users can easily extend it and modify it to better fit their needs.”

- Drupal 4 PR

- Close to 100 major sites running Drupal
- With developers from all parts of Europe and the U.S., Drupal became an international open source project

Drupal 4.0



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🔥 WEBSOLUTIONS | HR - Croatia's Leading Team of DrupalExperts.

Submitted by [admin](#) on Sunday, February 28, 2016 - 16:47

Our expert developers can code your Drupal web development dreams into a digital reality.
What We Do

[0 comments](#) · [administer](#)

admin

[create blog entry](#)
[create book page](#)
[create forum](#)
[create site page](#)
[create poll](#)
[create story](#)

[view personal blog](#)
[view submissions](#)
(1)
[view new comments](#)

[edit account](#)

[administer drupal](#)
[logout](#)

2.0

3.0

4.0

4.1

4.3

Taxonomy

- D3 used metatags and attributes to classify the content, in a parent-child relationships, but those relationships aren't being used
- Added taxonomy module which replaces the meta module
 - **supports relations, hierarchies and synonyms**
- Controlled vocabulary with ability to 'bookmark' or organize content
- **It was at this point that Drupal started to look more like an enterprise CMS**


Drupal 4.0 Administration

[home](#) | [blocks](#) | [collaborative book](#) | [site cloud](#) | [comments](#) | [help](#) | [news feeds](#) | [content management](#) | [search](#) | [statistics](#) | [site configuration](#) | [taxonomy](#) | [watchdog](#)

[nodes](#) · [search content](#) · [settings](#) · [help](#)

Edit site page

Title:

WEBSOLUTIONS | HR - Croatia's Leading Team of DrupalExperts. 

Teaser:

Our expert developers can code your Drupal web development dreams into a digital reality.
What We Do

Body:

Our expert developers can code your Drupal web development dreams into a digital reality.
What We Do

Navigation link header:

To make the page show up on the navigation links enter the name of the link, otherwise leave blank.

Type:

HTML / text 

Edit revisions

Authored by:

admin

Authored on:

Feb 28, 2016 4:47 pm

Set public/published:

Enabled 

Queue for moderation:

Enabled 

Promote to front page:

Enabled 

Static on front page:

Enabled 

Allow users comments:

Read/Write 

Create new revision:

Disabled 

2.0

3.0

4.0

4.1

4.2

Drupal 4.0 Administration

[home](#) | [blocks](#) | [collaborative book](#) | [site cloud](#) | [comments](#) | [help](#) | [news feeds](#) | [content management](#) | [search](#) | [statistics](#) | [site configuration](#) | [watchdog](#)

[site settings](#) | [content filters](#) | [modules](#) | [themes](#) | [help](#)

module	description	status	operations	
archive	Displays a calendar to navigation old content.	<input checked="" type="checkbox"/>	view	
block	Controls the boxes that are displayed around the main content.	<input checked="" type="checkbox"/>		admin
blog	Enables keeping a blog or easily and regularly updated web page.	<input checked="" type="checkbox"/>	view	
bloggerapi	Enables users to post using tools or applications that support the Blogger API.	<input type="checkbox"/>		
book	Allows users to collaboratively author a book.	<input checked="" type="checkbox"/>	view	admin
cloud	Tracks other sites and displays last date changed.	<input checked="" type="checkbox"/>	view	admin
comment	Enables user to comment on content (nodes).	<input checked="" type="checkbox"/>	view	admin
drupal	Lets users log in using a Drupal ID and can notify drupal.org about your site.	<input type="checkbox"/>	view	

Unsuccessful concepts

- Next generation distributed authentication based on XML-RPC allows users to be identified with existing Drupal logins (even across sites) or Jabber or Yahoo logins
- Blogger API support allowing Drupal to both be posted to and post with the Blogger API
- Automatic notification to www.weblogs.com of changes to a user's blog

01.02.2003

Drupal 4.1

- **Successful concepts:** Profiles, pagers, theme functions, pager support, improved forums, improved statistics tracking, various performance improvements
- **Unsuccessful concepts:** Throttle module in core
 - auto-throttle congestion control mechanism
 - as of D7, will be removed from core
 - today there are far better mechanisms
 - eg. aggressive anonymous page caching

01.08.2003

Drupal 4.2

- WYSIWYG, MSSQL support, Node API, Xtemplate
- Clean URLs
 - simple, easy to remember "clean URLs"
- First ideas leading to menu router
 - every request goes through index.php
 - using `_GET['q']` param and `hook_page()`
 - now you could access nodes through `/node/view/{nid}` instead of `node.php?op=view&id={nid}`

2003

Drupal coming out to the world

- Interest in Drupal got a significant boost in summer of 2003 when it helped build "DeanSpace" for Howard Dean, one of the 2004 U.S. presidential election candidates
- **DeanSpace** provided something like Drupal distribution which anyone could download and install his own Dean-site
- As campaign grew more and more, Drupal saw 300% increased activity on drupal.org in terms of content

Drupal coming out to the world

DeanSpace



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- [Sue Anne](#)

What is DeanSpace?

DeanSpace is a software package for running websites for Dean groups. It can provide your group with a place to post announcements, an online sign-up form, a shared calendar, and a photo gallery, and connect you with other groups all over the country. [Find out more.](#)

Getting DeanSpace

To set up your own DeanSpace site, follow the instructions in our [Setup Guide](#). Experience with setting up websites is helpful, but you can use DeanSpace even if you've never run a site before.

Help and Support

[Join deanspace.org](#) to get advice, share tips, and request features. If you've already registered, log in here:

Username: Password: [Log in](#)

If you forgot your password, you can [ask for a new password](#).



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Built on [Drupal](#).

4.0

4.1

4.2

4.3

4.4

01.11.2003

Drupal 4.3

- Focus has gone into improving user-friendliness, both to end-users and administrators
- URL alias support through new **path.module**
- Database prefixing
- Breadcrumbs
- Mass node operations

01.04.2004

Drupal 4.4

- Added a file API
 - enables better document management
- Added fieldsets
- Added many new theme functions and refactored existing theme functions
 - improved themability of Drupal
 - made all theme functions start with 'theme_'
- First eCommerce contributed module

18.10.2004

Drupal 4.5

- Configurable menus
 - made it possible to add, delete, rename and move menu items
 - `hook_menu()` is born
- Tab based user interface
 - introduced tabs and subtabs for local tasks
- Multiple roles per user
- Customizable user profiles
 - made it possible to add custom profile fields through UI



admin

- ▶ create content
- ▣ my account
- ▼ administrator
 - ▣ blocks
 - ▣ categories
 - ▣ comments
 - ▣ content
 - ▣ input formats
 - ▣ localization
 - ▶ logs
 - ▣ modules
 - ▶ settings
 - ▣ themes
 - ▣ uploads
 - ▣ users
 - ▣ help
- ▣ log out

Home » administrator

blocks

Blocks are the boxes in the left- and right- side bars of the web site, depending on the chosen theme. They set the default status of the block. Only enabled blocks are shown. When the "custom" checkbox is checked, the 'enabled' checkbox signifies the block's default status. You can assign the block's placement by which block is on, and the weight sorts blocks within a region. Lighter (smaller weight value) blocks "float up" to be shown on. Blocks can automatically be temporarily disabled to reduce server load when your site must be enabled on the [throttle configuration page](#) after having enabled the throttle module.

Block	Enabled	Custom	Throttle	Weight	Region	Path	Operation
Categories	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0 <input type="button" value="v"/>	<input checked="" type="radio"/> left <input type="radio"/> right	<input type="text"/>	
Recent comments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0 <input type="button" value="v"/>	<input checked="" type="radio"/> left <input type="radio"/> right	<input type="text"/>	
Syndicate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0 <input type="button" value="v"/>	<input checked="" type="radio"/> left <input type="radio"/> right	<input type="text"/>	
Who's new	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0 <input type="button" value="v"/>	<input checked="" type="radio"/> left <input type="radio"/> right	<input type="text"/>	
Who's online	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0 <input type="button" value="v"/>	<input checked="" type="radio"/> left <input type="radio"/> right	<input type="text"/>	
Navigation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0 <input type="button" value="v"/>	<input checked="" type="radio"/> left <input type="radio"/> right	<input type="text"/>	
User login	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0 <input type="button" value="v"/>	<input checked="" type="radio"/> left <input type="radio"/> right	<input type="text"/>	

Translation improvements

Finally since Drupal 2.0 we are seeing some major improvements on translation

- managing translations is now completely done through the administration interface
- no more manually editing tables in SQL to add new language
- added support for importing/exporting gettext .po files

Drupal 4.5

Translation improvements

localization

manage languages

manage strings

list

add language

import

export

Drupal allows you to translate the interface to a language other than English. This page provides an overview of the installed languages. You can add more languages on the [add language page](#), or directly by [importing a translation](#). If there are multiple languages enabled, registered users will be able to set their preference. The site default will be used for users without their own settings, including anonymous visitors.

There are different approaches to translate the Drupal interface: either by [importing](#) an existing translation, by [translating everything](#) yourself, or by using a combination of these.

[\[more help...\]](#)

Code	English name	Enabled	Default	Translated	Operations
en	English	<input checked="" type="checkbox"/>	<input checked="" type="radio"/>	n/a	
hr	<input type="text" value="Croatian"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	0/0 (0%)	delete

Save configuration

1st Drupal conference

Belgium 2005



15.04.2005

Drupal 4.6

- PHP5 support
- Multi-site support to run multiple Drupal sites from a single code base
- Personal contact forms for registered users
- Added an image API: enables better image handling
 - image resizing, crop, scale using GD2
 - predecessor to imagestyle module in D7



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APPEL SPOTLIGHT



PM Challenge 2006 Draws 1000

Nearly one thousand professionals from NASA, industry, academia, and aerospace associations attended APPEL's [Project Management Challenge 2006](#) conference in Galveston, Texas.

[+ Read More](#)

APPEL Holds Twelfth Masters' Forum

Efforts to improve knowledge sharing practices were the focus of APPEL's twelfth Masters' Forum, which took place March 8-10 in Herndon VA.

[+ Find out more](#)

01.05.2006

Drupal 4.7

- **30+ servicing firms** employing **100+ Drupal professionals**, **300+ contrib modules**, and **55,000+ Drupal powered sites** later, Drupal 4.7 is finally here and it rocks!
- There have been over **338 contributors** with over **1500 patches**
- Major usability improvements and new Drupal core functionality
- Later this year **Views module** is born

4.5

4.6

4.7

5.0

6.0

New features

- Lots of JS & AJAX
 - autocomplete & file uploading
- **New Forms API:** The forms API has been refactored to make it possible to alter, extend or theme any form in Drupal
 - made it possible to alter, extend or theme forms
 - however broke hundreds of contributed modules
 - but eventually pay-off was huge

Module improvements

Modules can install database tables

- each module can define its .install file
- using `hook_install()` table would be created using `db_query()`
 - later to be replaced with **Database schema API**
- prior to this if module needed to install database tables, it would come with sql dump and instructions how to manually import it!

Theme improvements

- PHPTemplate
 - written by Adrian Rossouw specifically for use with Drupal
 - Xtemplate engine removed
 - Existing core themes ported to PHPTemplate
 - uses individual tpl.php files to theme Drupal's theme_something() functions
 - PHPTemplate was used until Drupal 8 when it was replaced by Twig

MTUFLUX

MTV OverDrive MTV UK MTV2 MTV Dance MTV Base MTV Hits TMT VH1 Soap&Tray VH Classic

>PEOPLE >FAQS

Login Password LOGIN REGISTER search here Search

REGISTER NOW!

Username:

E-mail:

Confirm e-mail:

I agree that I'm at least 16 yrs old

[Advanced Terms & Conditions of Use](#)

> submit

WELCOME TO MTUFLUX...

What's MTV Flux about?

Welcome to the beta of MTV Flux. Be among the first to register and claim your own area in MTV's emerging new online space where users get to control what happens and what goes on the MTV Flux TV channel launching at the beginning of September. Keep checking in for updates as we add more features in the coming days and weeks...

REGISTER NOW AND GET YOUR FLUX ID BEFORE ANYONE ELSE DOES

NEW FEATURES!

You can now build your own Avatar!

MTUFLUX (placeholder)











coming soon... mtv flux channel playlists & video uploading!

SEARCH FOR...

username

> search now

LATEST PEOPLE

 > view Emmzie84 F/22/Bristol	 > view pirate cat M/WK	 > view leroy4teen M/23/Stoke-on-Trent	 > view picusg M/17/East London
 > view darkcircles F/18/Peterborough	 > view maggie_x F/21/Birmingham	 > view Farfisa M/28	 > view xhayleyxx06 M/16/Stoke

4.5

4.6

4.7

5.0

6.0

PlayStation.com (Asia) 台灣

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PSP®無線上網服務 主頁




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22/11/2006
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Support

PlayStation®Portable 硬體

PSP® (PlayStation®Portable) 基本版 (台灣專用 機型)

型號: PSP-1007PK
公司: Sony Computer Entertainment Inc.

包括: 基本版包含: PSP®主機、交流電源線、交流電轉換器、電池

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Drupal 4 in numbers

Number of Core modules
4.7

31

Development Time
in months, all 4.x releases

55.5

15.01.2007

Drupal 5.0

- Released on Drupal's 6th birthday
- Drupal 4.0 was released in 2002 and finally community feel confident to increase the major version number from 4 to 5
- Over **492 contributors** to the Drupal 5.0 release, submitting **1173 patches**
- Over **2500 contributed modules**

4.6

4.7

5.0

6.0

7.0

Drupal 5.0

Features

- Web-based installer
 - no more manual import of sql dump
 - checks run-time requirements
- Reorganized module directory structure
 - modules now have their own directory
 - contrib modules & themes go to sites/all directory
- Module dependencies
 - added .info files for module meta-data
 - added support for module dependencies

Drupal 5.0

Features

- Pluggable cache backends
 - use file caching, memcached or other cache strategies instead of the default database caching
- jQuery 1.0.4
 - all existing JS in Drupal core has been converted to use it
 - Drupal was early adopter, today jQuery is used on 60% of top-million sites
- Drupal distributions
 - allow people to create ready-made downloadable packages with their own focus and vision

Theme improvements

- Garland as the new default theme
 - uses the new color module to change the theme's entire color scheme on the fly
- CSS preprocessor
 - all (cacheable) stylesheets are now aggregated into one compressed file
 - makes site faster

New default theme

Garland



Drupal

Edit primary links

admin

- ▶ Create content
- ◊ My account
- ▼ Administer
 - ▶ Content management
 - ▶ Site building
 - ▶ Site configuration
 - ▶ User management
 - ▶ Logs
 - ◊ Help
- ◊ Log out

Home

Administer

By task

By module

Welcome to the administration section. Here you may control how your site functions.

Hide descriptions

Content management

Manage your site's content.

Categories

Create vocabularies and terms to categorize your content.

Comments

List and edit site comments and the comment moderation queue.

Content

View, edit, and delete your site's content.

Content types

Manage posts by content type, including default status, front page promotion, etc.

Post settings

Site building

Control how your site looks and feels.

Blocks

Configure what block content appears in your site's sidebars and other regions.

Menus

Control your site's navigation menu, primary links and secondary links, as well as rename and reorganize menu items.

Modules

Enable or disable add-on modules for your site.

Themes

Change which theme your site uses or allows users to set.

4.6

4.7

5.0

6.0

7.0

WOMEN ARTISTS BLOG VIDEO FEED STREET NETWORK STORE WEB on YouTube

TALIB KWELI EARDRUM

WARNER BROS. + REPRISÉ RECORDS

GET UPDATES your email add your mobile # SUBMIT

TALIB KWELI IS BANGIN' ON YOUR EARDRUMS AUG. 21
 Experience true hip hop through Talib Kweli's own words and stories that define his album "Eardrum" which hits stores Aug. 21. Kweli's words that represent the album also tell the story of "Eardrum" and challenges the listener to let your own voice be heard.

THE RETURN OF THE SMASHING PUMPKINS
 The Smashing Pumpkins have just released their long-awaited musical return "Zimbardo" - which contains the smash first single "Faramites." Click here to check out the head-spinning.

GO ALL EXCESS WITH AVENGED SEVENFOLD
 Over the last few years, "Avenged Sevenfold" revolutionized the world with their bonecrushing metal and vibrant shows in support of their album "City of Evil."

Parental Advisory

User: Password: Login Register

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Welcome to the home of OpenOffice.org extensions!

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 The Sun Presentation Minimizer is used to reduce the file size of the current presentation. Images will be compressed, and data that is no longer needed will be removed.
 The Sun Presentation Minimizer can optimize the image quality size. Presentations designed for screen or projector do not require the same high quality as presentations designed for print.

Version: 1.0 Date: 2007-Dec-06 License: opensource
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 by OxygenOffice Professional
 OxygenOffice Professional French Templates as OpenOffice.org Extension
All you ever wanted to create better documents easily. You can use this template compilation to create professional documents, tables, forms and presentation from prepared templates within seconds.

4.6

4.7

5.0

6.0

7.0

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Zookeeper
 Distributed computing is sort of like tending cats. If not properly managed, chaos results.

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 Web Mining or the Wisdom of the Crowds - Big Thinkers India Series
 November 26
 Bangalore, India

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- Looking for Solace in a Slot of Pie
- 'Once'With Feeling: Small Musical Has a...
- Andy Griffith, Back on the Big Screen...
- Venice picks old-director Jury
- Pfizer festival finds its feet again
- Outlet celebrates silver anniversary

SUNSHINE
 NOW PLAYING
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Drupal 5 in numbers

Number of Core modules

29

Development Time

presented in months

8.5

13.02.2008

Drupal 6.0

- Reached EOL recently (24 Feb 2016)
- Still estimated of 100k websites are using Drupal 6
- Over 7000 contributed modules and 600 custom themes
- Drupal's menu system has been rewritten from scratch, making it much more efficient and powerful
- Friendlier installer, Drag-and-drop administration, Improved security

4.7

5.0

6.0

7.0

8.0

White House Goes Drupal

The screenshot shows the White House website interface. At the top, the text reads "the WHITE HOUSE PRESIDENT BARACK OBAMA" followed by five stars and the White House logo. To the right, there are links for "Get Email Updates" and "Contact Us". Below this is a navigation bar with links: "BLOG", "PHOTOS & VIDEO", "BRIEFING ROOM", "ISSUES", "the ADMINISTRATION", "the WHITE HOUSE", and "our GOVERNMENT".

The main content area features a blue sidebar on the left with the heading "AMERICAN LEADERSHIP in CLEAN ENERGY". Below the heading is a paragraph: "The President challenges America to lead the global economy in clean energy in order to create new jobs at home, free us from dependence on foreign oil, and make us more secure." Underneath the text is a "Watch the Video" button and a pagination menu with numbers 1, 2, 3, and 4.

On the right side of the main content area is a large photograph of President Barack Obama, Vice President Joe Biden, and another man in a lab setting. They are gathered around a table with scientific equipment, including a color calibration chart and a laptop displaying the "one" logo.

October 2009

Drupal 6 in numbers

Number of Core modules

34

Development Time
presented in months

13

05.01.2011

Drupal 7.0

- Drupal is now used for building any kind of website from blogs and microsites to enterprise level systems
- **12000+ contrib modules, 700+ themes & 280+ distributions**
- Everything is an entity
 - Content types
 - Taxonomy
 - Users
 - Custom entity types
- **Now it's all about web apps**

5.0

6.0

7.0

8.0

8.1

Drupal 8.0 released



19. November 2015

Drupal 8.1, 8.2, ... 9.0

- Starting with Drupal 8.0, core releases moved to a new release cycle schedule, and begin using the semantic versioning (semver) numbering system
- Scheduled minor releases (8.1, 8.2) will be released approximately every 6 months, and will incorporate new features
 - 20.04.2016 - Drupal 8.1 released with BigPipe
 - 20.10.2016 - Drupal 8.2 will be released
- Drupal 9.0 will be 8.x but without backward compatibility

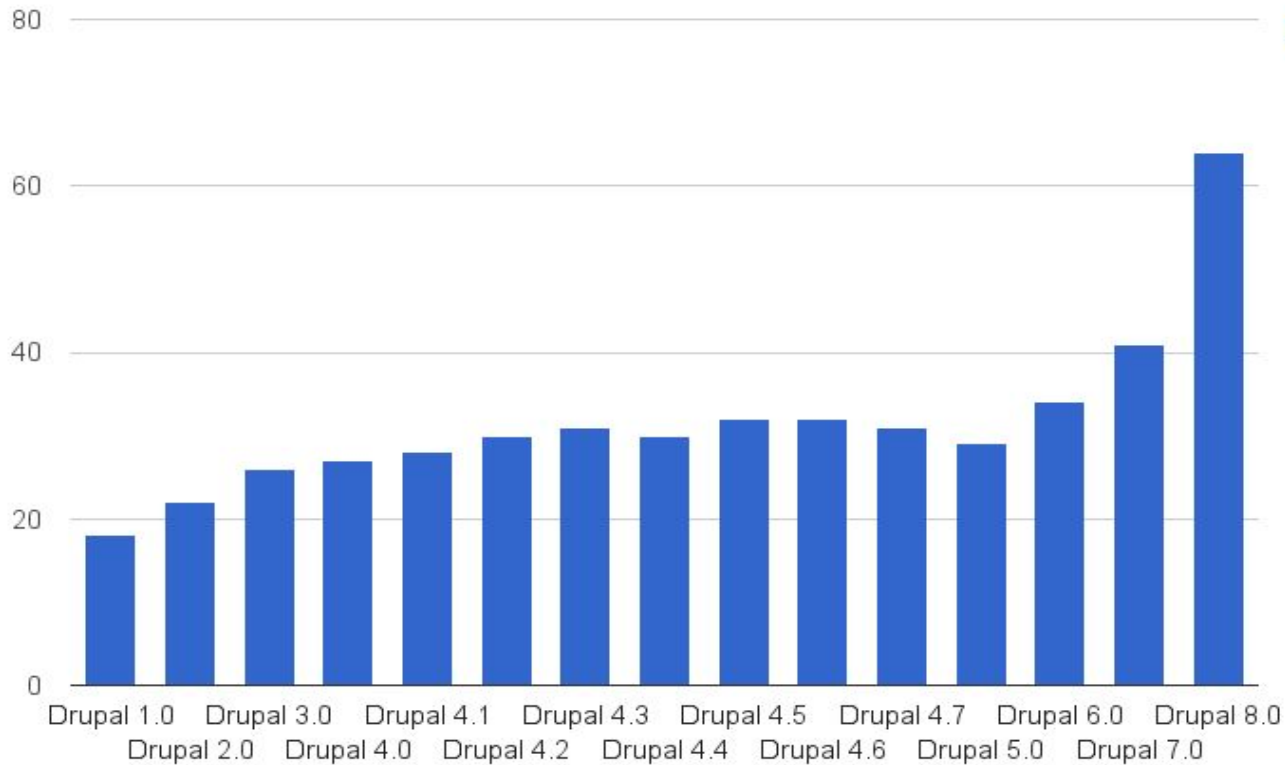
6.0

7.0

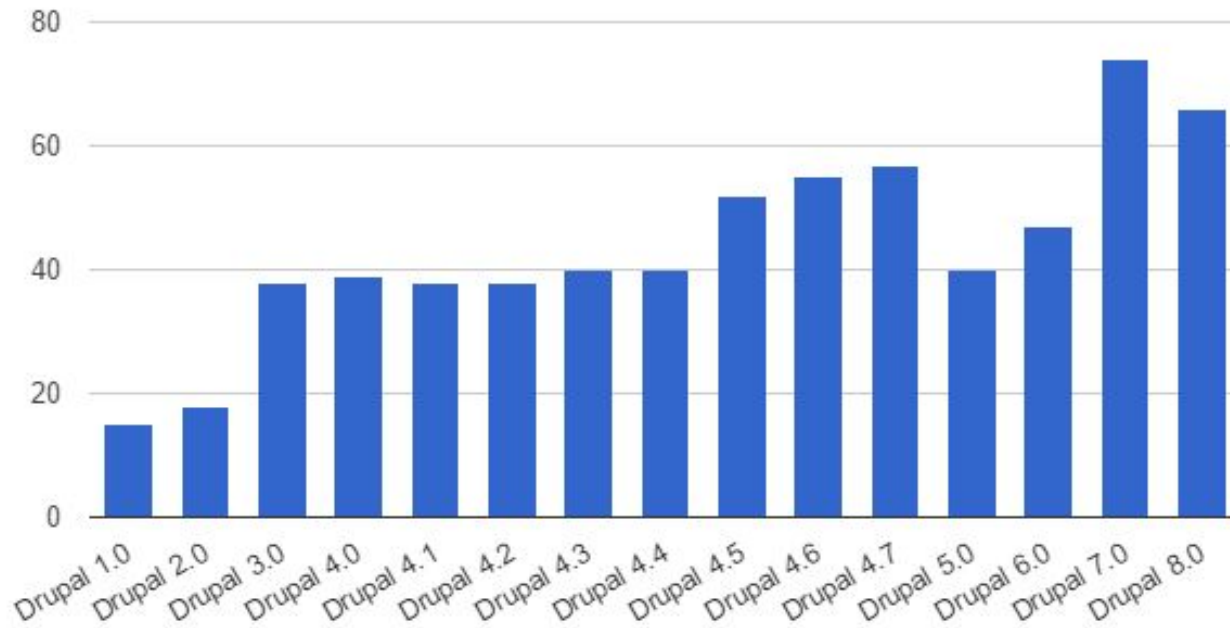
8.0

...

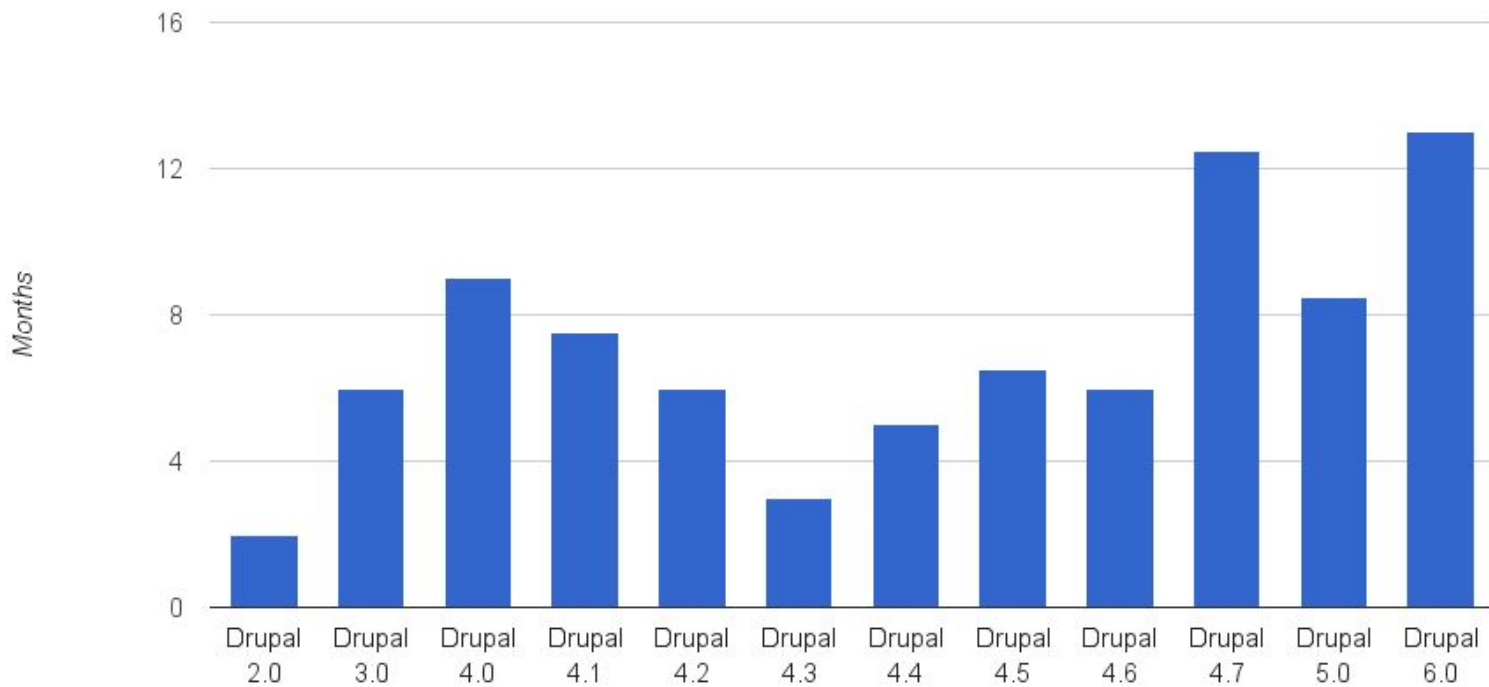
9.0



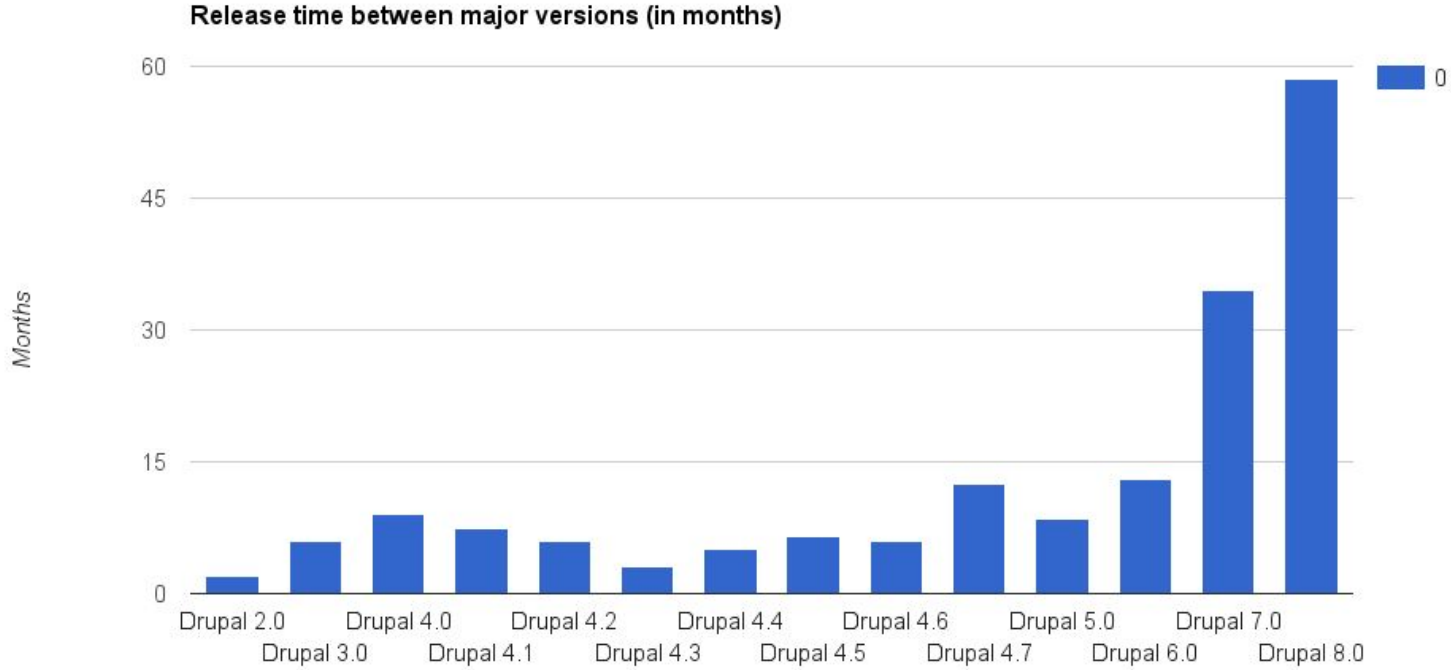
Number of core modules



Number of database tables



Development times between releases



Development times between releases

Thank you for your time

- You can get my slides from <http://websolutions.hr/drupal-history>
- There you will also find links to GitHub where you can browse and download old releases, including Drupal 1.0
- Follow us [@wsdotagency](#)

THANKS

Platinum



Partner



Healthy food + Sprint



Gold



Silver



Bronze



Social



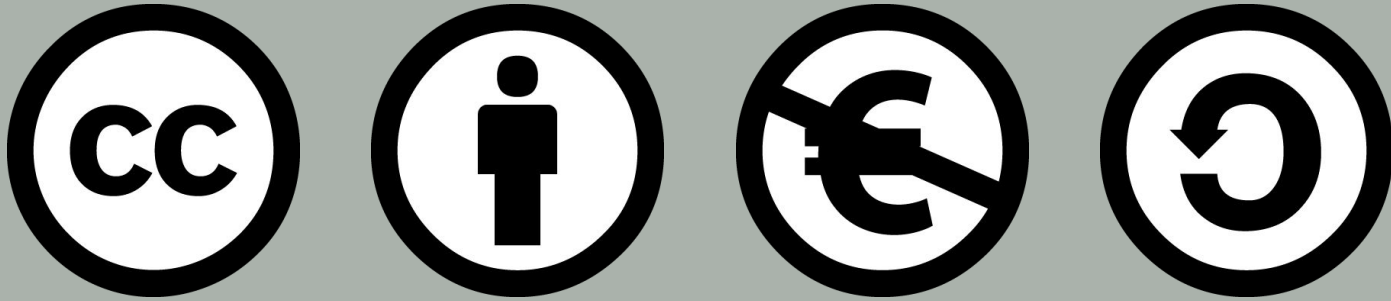
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Media



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