



— DRUPALCON —

# DENVER

MARCH 19-23, 2012

Collaborative Publishing for Every Device

# **Thrown into a shark pond? A guide for surviving core development and even enjoying it**

Presented by Gábor Hojtsy



# Gábor Hojtsy



9 years  
Drupal 6  
Acquia  
D8MI



# I have an idea for Drupal core!



Find people at:  
<http://groups.drupal.org/drupal-initiatives>  
<http://drupal.org/community-initiatives/drupal-core>  
<http://drupal.org/core-office-hours>  
<http://drupal.org/irc>

Issue submission guidelines:  
<http://drupal.org/node/73179>

Most common issue tags:  
<http://drupal.org/node/1207020>

Drupal core announcements:  
<http://groups.drupal.org/core>

Drupal Code of Conduct:  
<http://drupal.org/dcoc>

Created by Gábor Hojtsy of Acquia with feedback from the community for Drupalcon Denver 2012





# I have an idea for Drupal core!

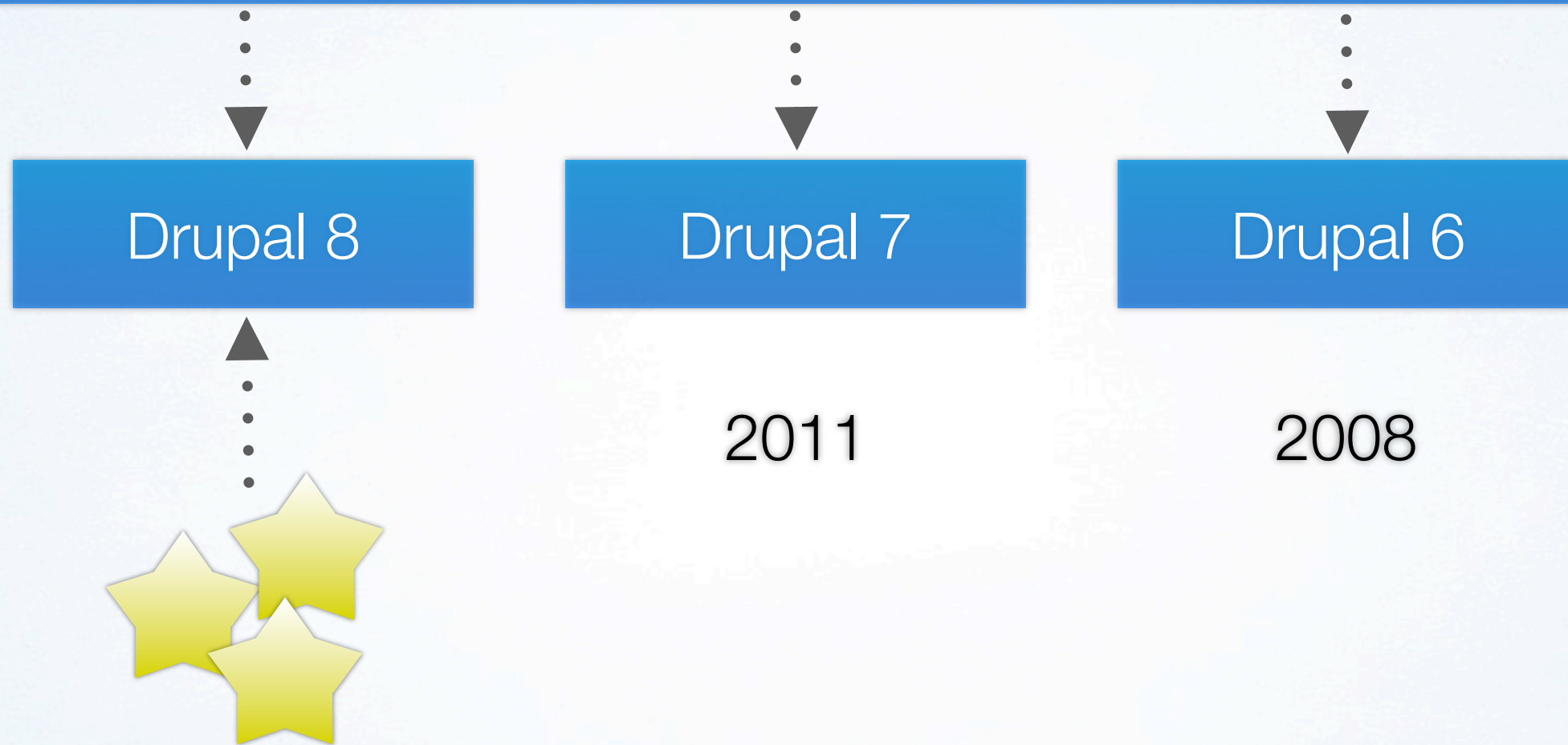


# I have an idea for Drupal core!

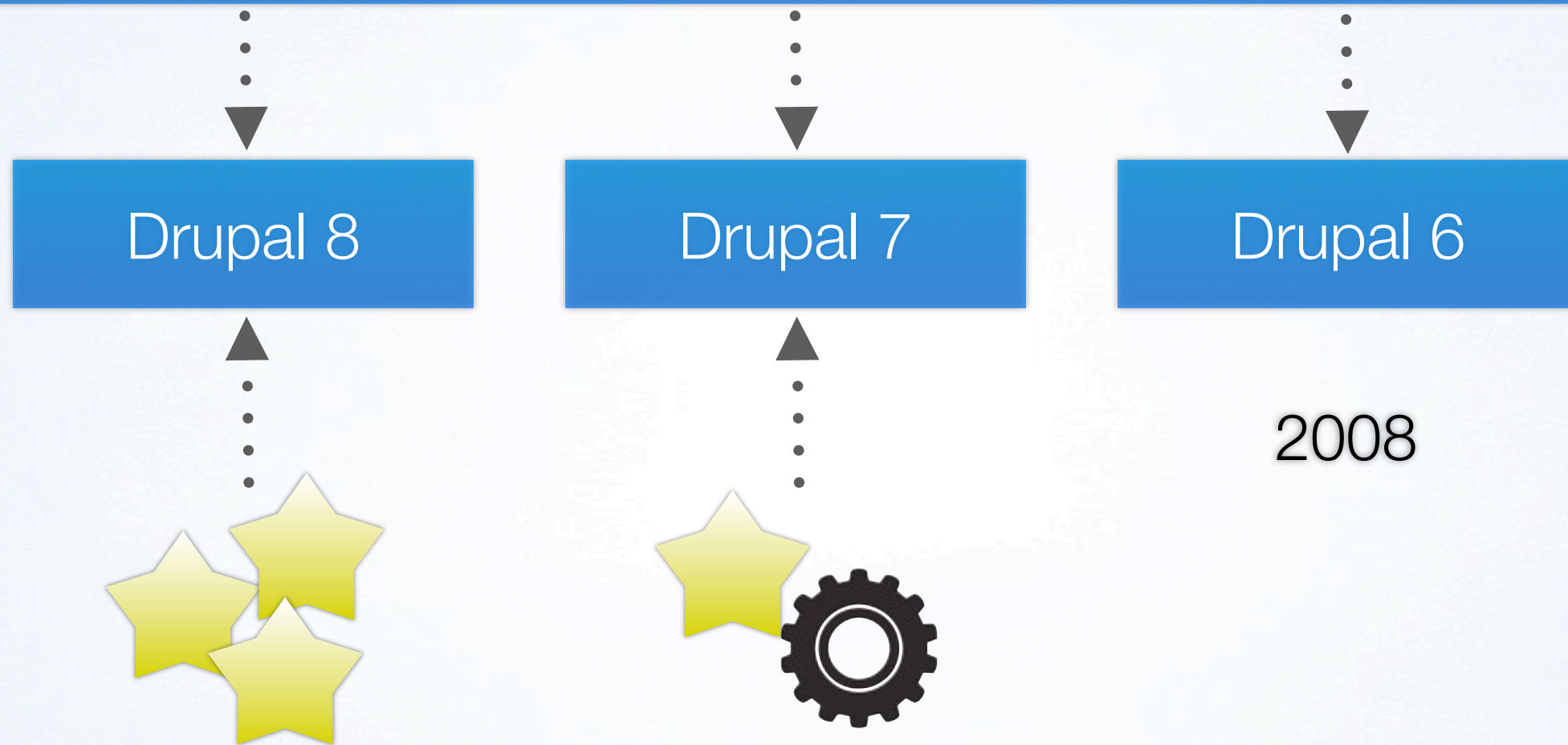




# I have an idea for Drupal core!

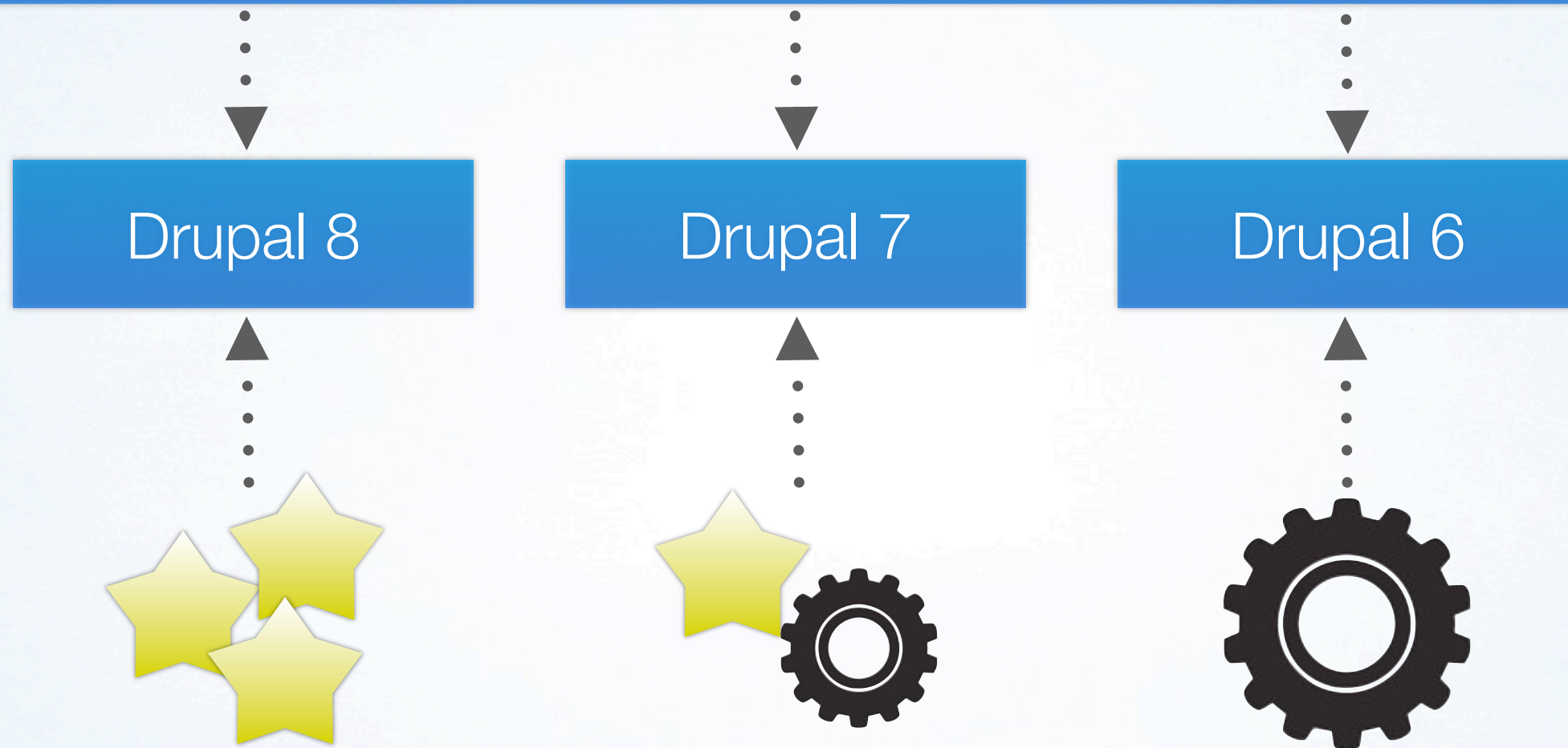


# I have an idea for Drupal core!





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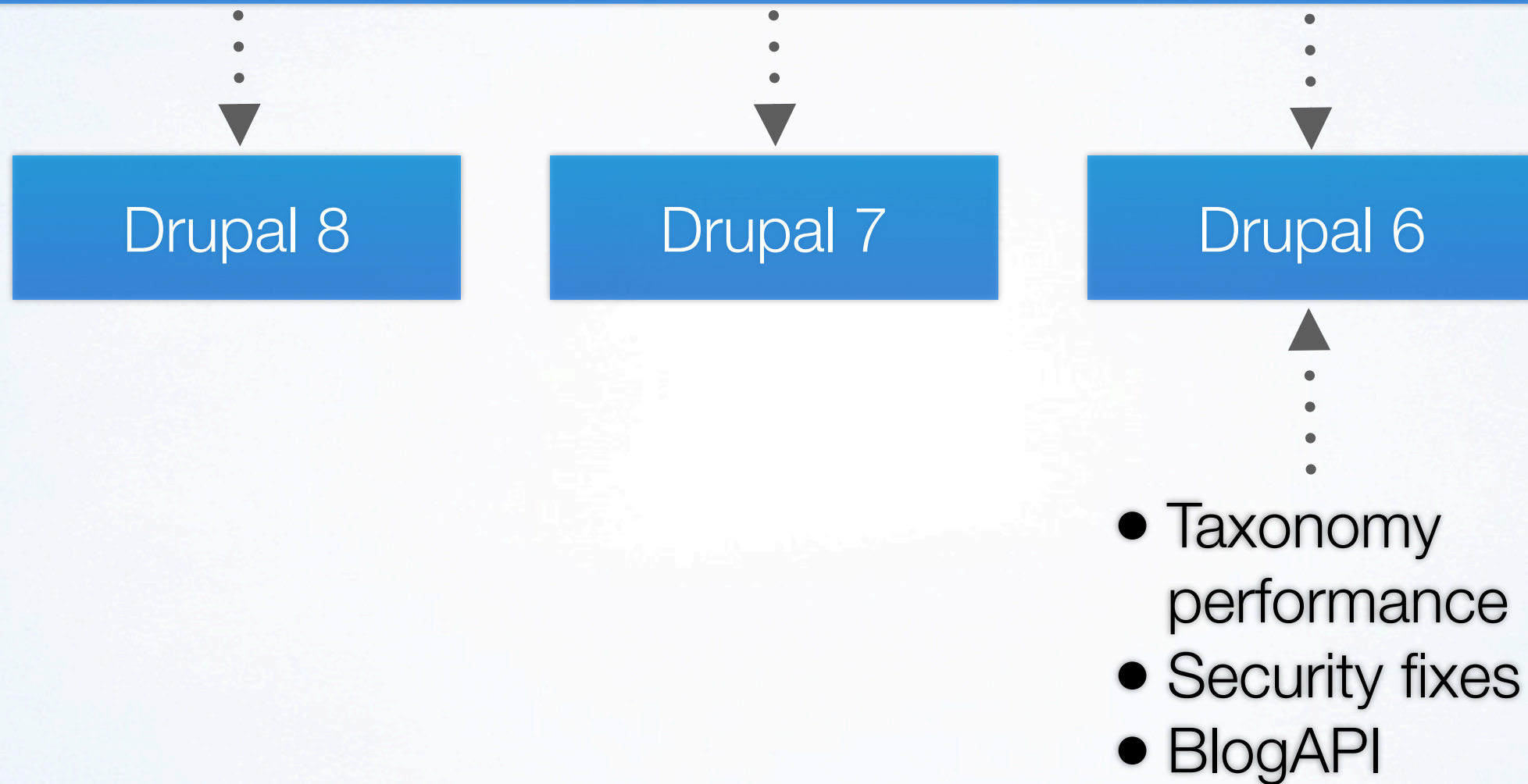


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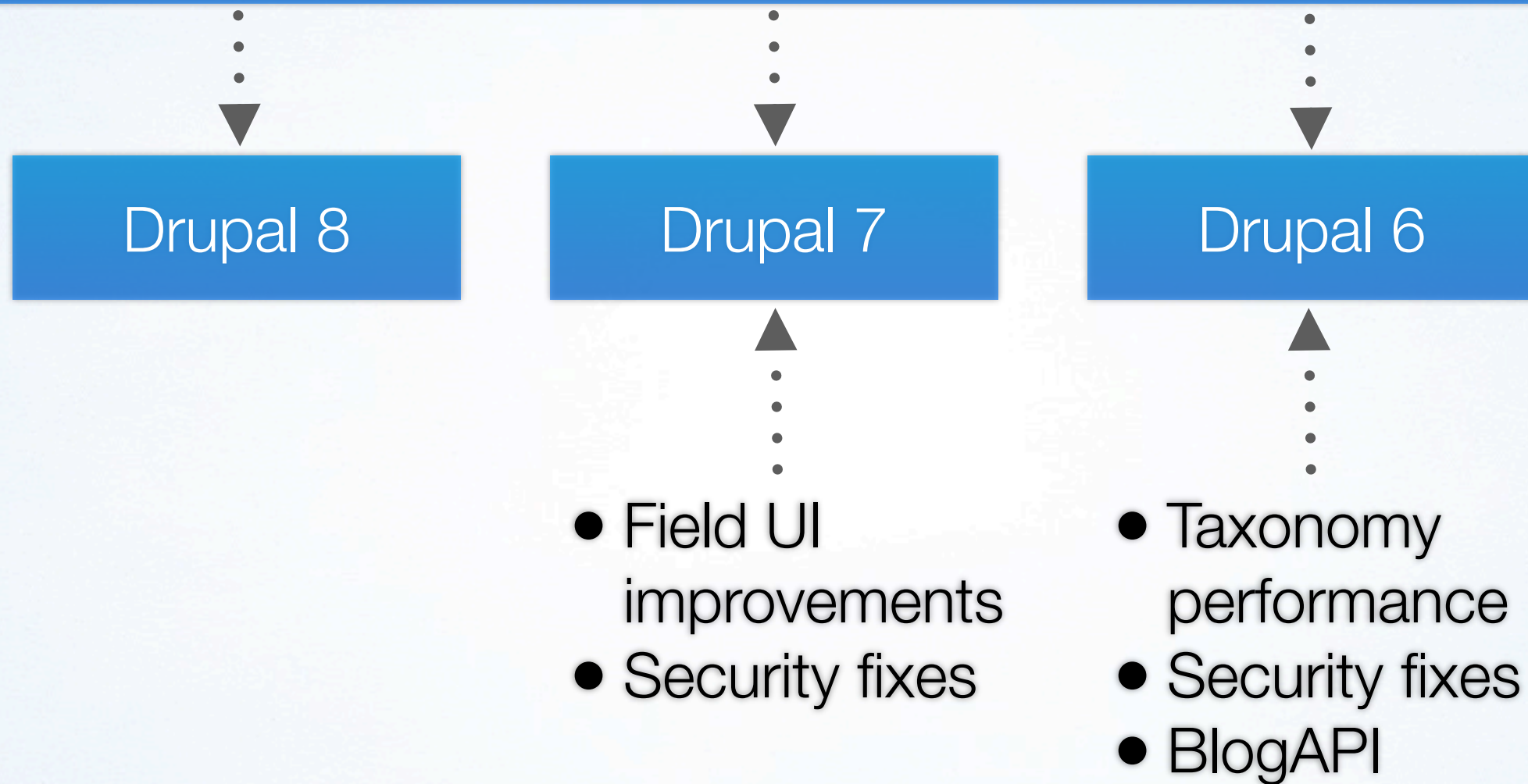




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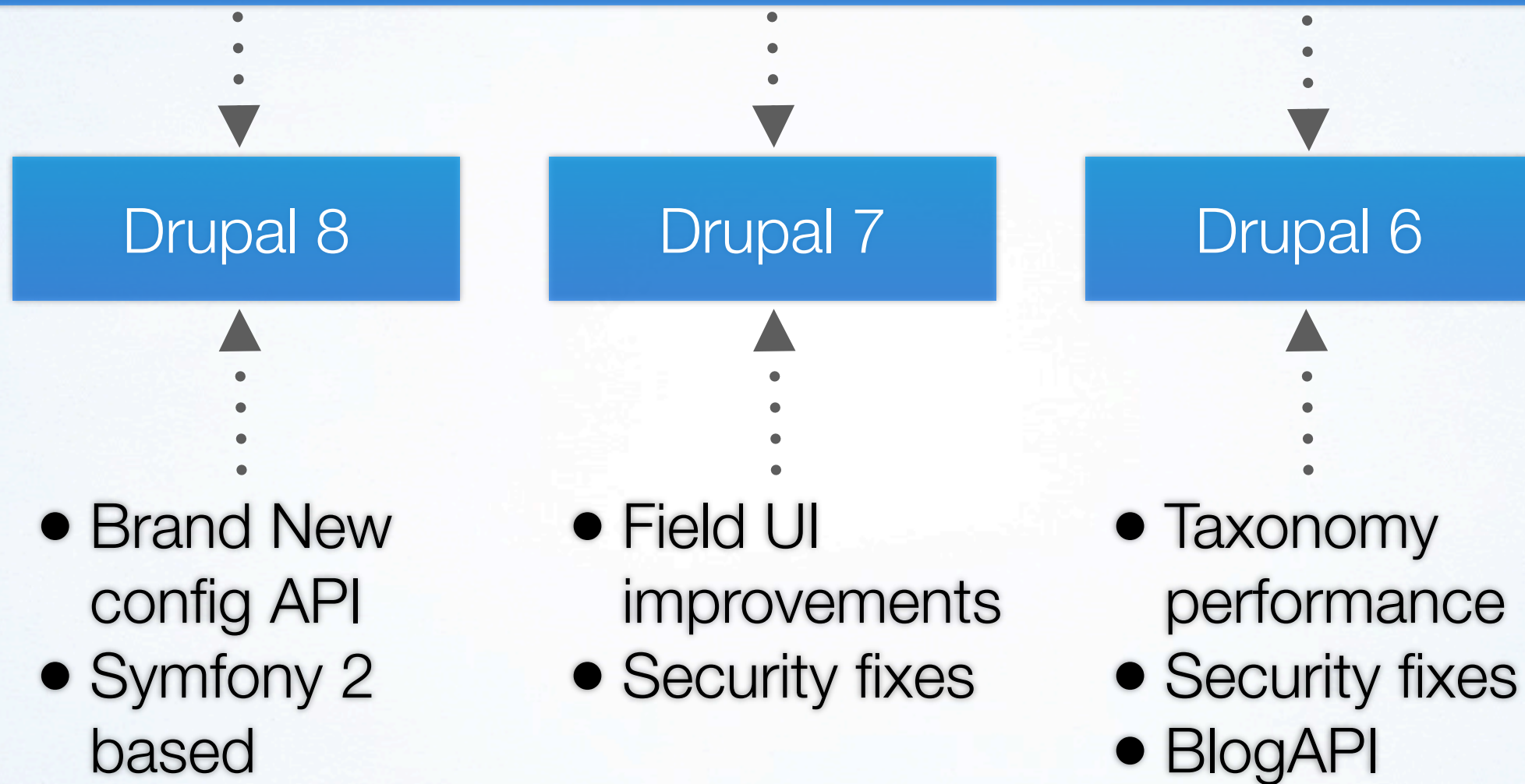


# I have an idea for Drupal core!





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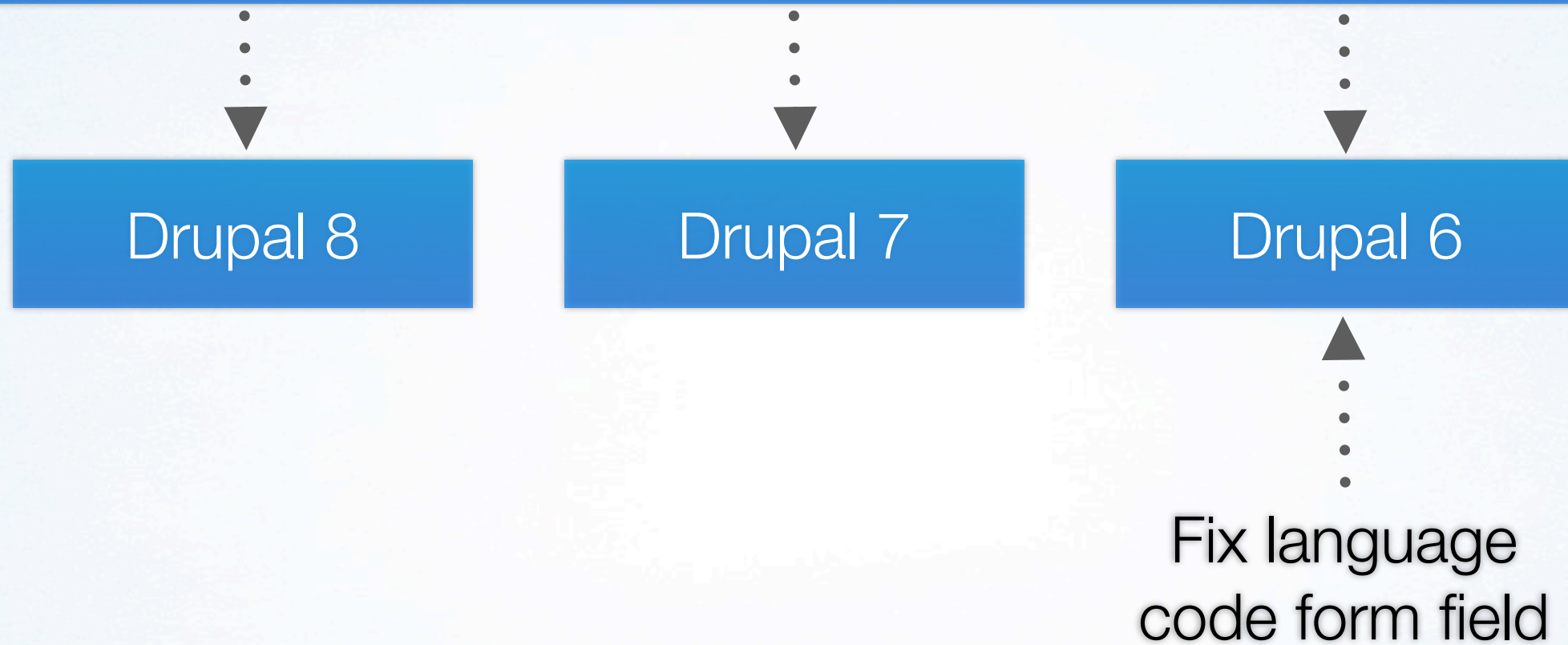


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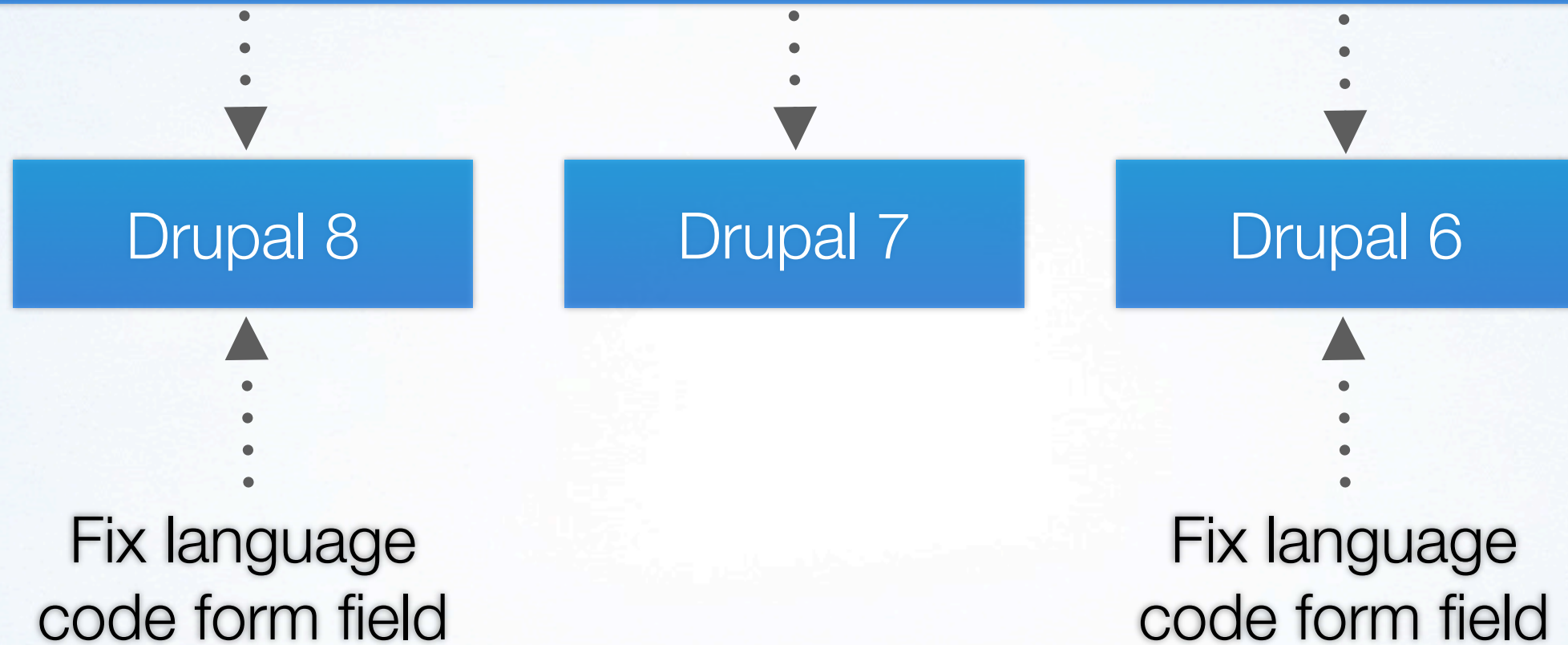




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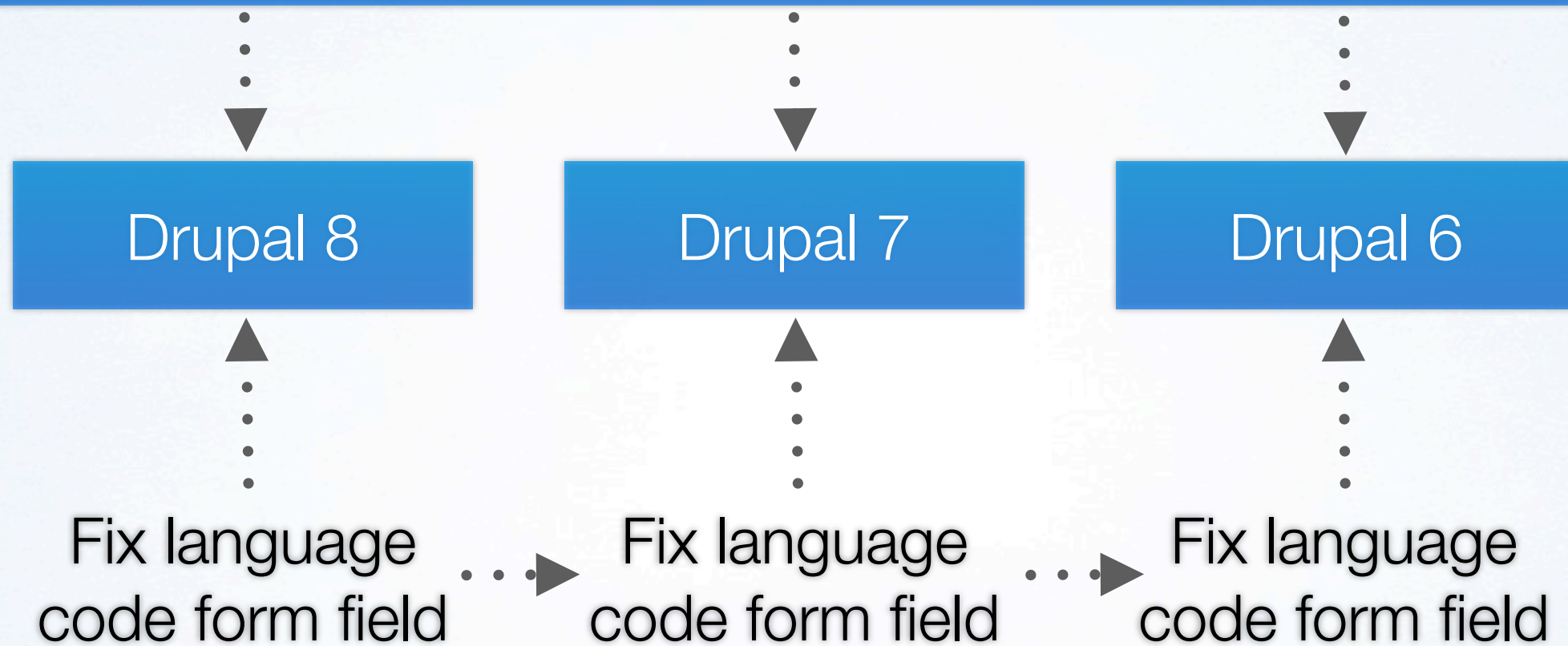


# I have an idea for Drupal core!





# I have an idea for Drupal core!



# I have an idea for Drupal core!



I want to make sure to  
implement it **right**

All versions



I need to have it  
implemented **now**

Drupal 6/7



# I need to have it implemented **now**

- Core patches take more time
- Business needs shorter time to deploy
- Disagreement with community
- Extent of change not allowed in branch

I need to have it implemented **now**



Custom patches



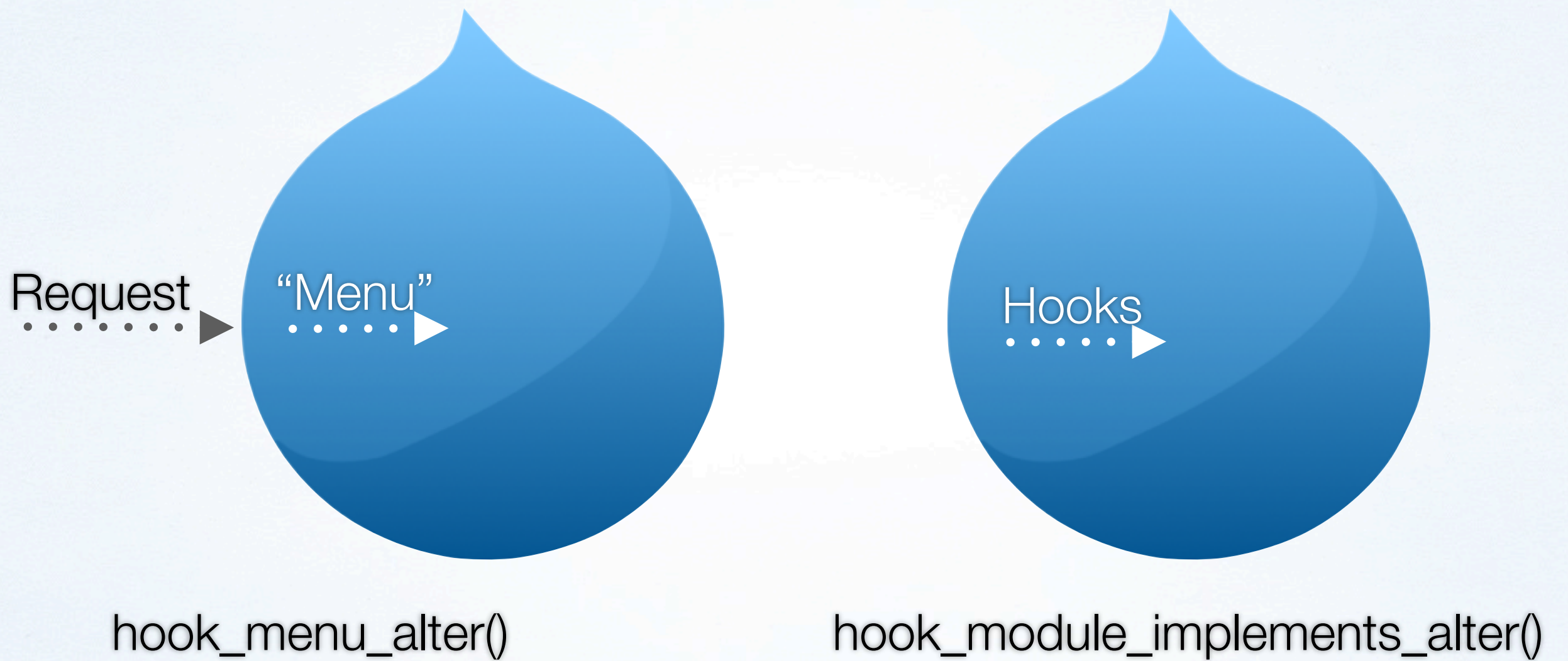
Override hooks



## Custom patches

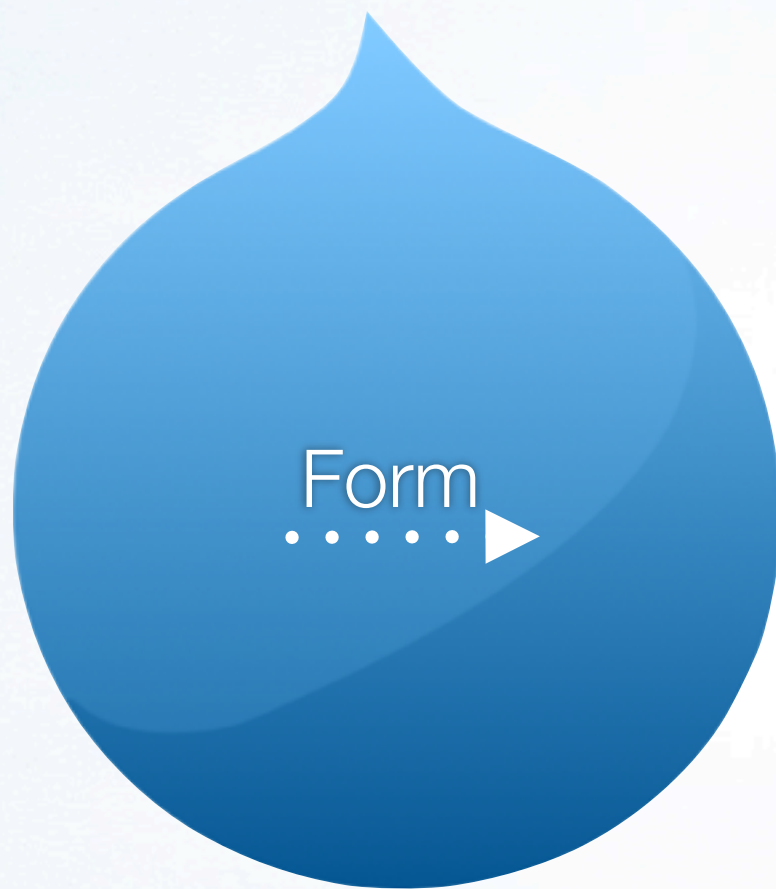
- Track changes carefully
  - Branch from the core git repository  
<http://drupal.org/node/1181472>
  - Use drush make  
[http://drupal.org/project/drush\\_make](http://drupal.org/project/drush_make)
- Submit your patches to core anyway

# Override hooks

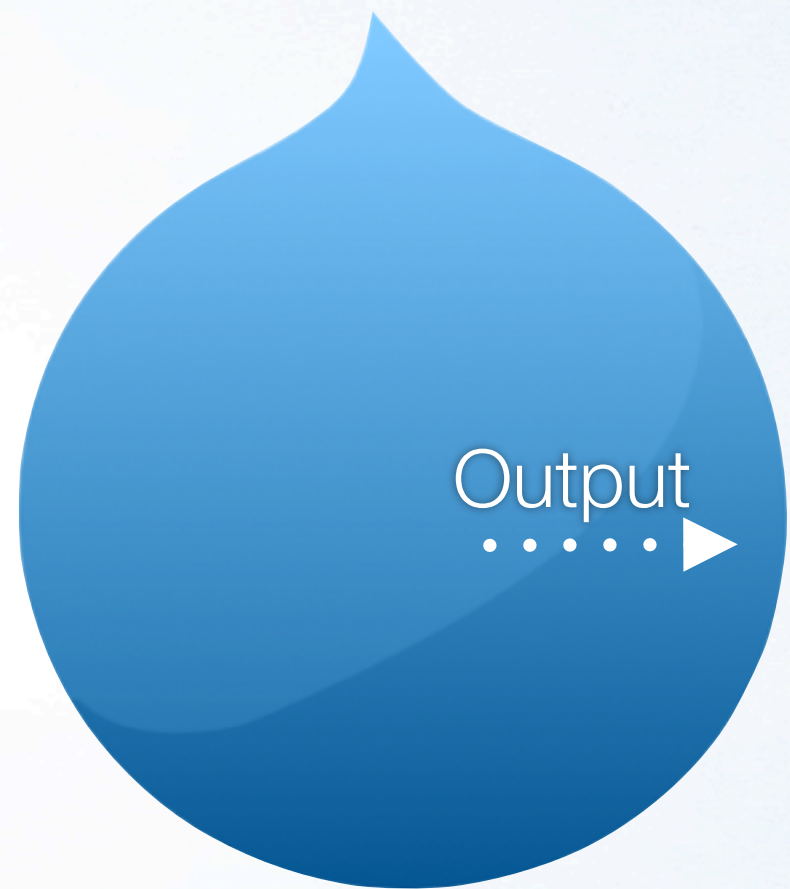




# Override hooks



`hook_form_alter()`



`hook_page_alter()`

- Internal APIs might change over-time
- The bigger the change the more divergent from core
- Post as a contrib module if possible
- Propose changes for Drupal 8



I need to have it implemented **now**



Custom patches



Override hooks

I want to make sure to implement it **right**

- Get feedback from the community
- Help to use best practices
- Fix it across Drupal versions
- Get it off your plate
- Make others build off your changes



I want to make sure to implement it **right**

“I enjoy working toward a  
common cause with smart,  
friendly people.”

@ksenzee

I want to make sure to implement it **right**

“I definitely find it  
intrinsically rewarding -- in  
other words “yes this is done  
right” gives me great joy.”

@chx



I want to make sure to implement it **right**

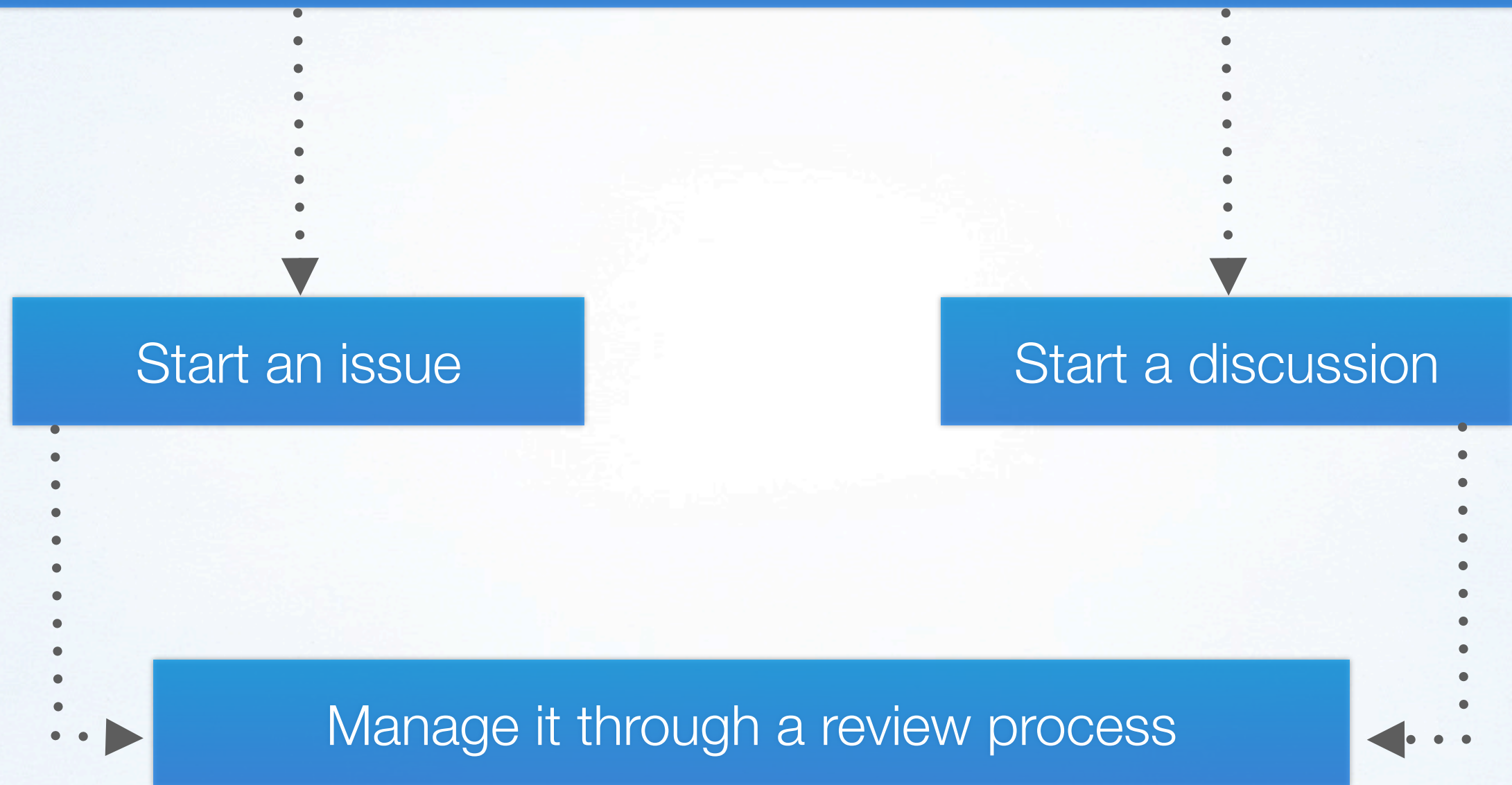


Start an issue



Start a discussion

I want to make sure to implement it **right**





# Nobody cares about it

- 9500+ core issues open
- Average lifetimes not happy

Category	Overall	Last month
bug reports	33 weeks 6 days	3 days 17 hours
feature requests	1 year 24 weeks	6 days 17 hours
support requests	34 weeks 16 hours	6 days 7 hours
tasks	42 weeks 2 days	5 days 22 min

Nobody cares about it

- Issue submission guidelines  
[drupal.org/node/73179](http://drupal.org/node/73179)
- Most common issue tags  
[drupal.org/node/1207020](http://drupal.org/node/1207020)



Nobody cares about it



groups.drupal.org/drupal-initiatives



Nobody cares about it

The screenshot shows the Drupal.org homepage with the 'Community & Support' section active. The 'Drupal core initiatives' page is displayed, featuring a 'View' button and a list of initiatives. The page status is 'Needs updating' and the Drupal version is '8.x'. A 'Getting Involved Guide' sidebar is also visible.

Drupal

Get Started Community & Support Documentation Download & Extend Marketplace About

Drupal Homepage Your Dashboard Logged in as Gábor Hojtsy Log out Admin

Search Drupal.org Search

Refine your search

Community & Support

Community Home Getting Involved Chat Mailing Lists Member Directory Forum

Drupal core initiatives

View Edit Outline Revisions

Last updated October 29, 2011.

How do I start?

Your first order of business is to get a [git development environment](#) up and running. Next, you should read the instructions on [how to test out patches](#) and [how to review them](#). If you're a developer type, read up on [creating patches](#). If you've read these instructions and are still scratching your head, drop by [#drupal](#) and someone would be happy to help you!

Where do I jump in?

Choose an area of interest below to see the important issues identified from those leading that initiative. Review and create patches to help see them through!

How can I add my own?

Have an "itch" of your own that you'd like to scratch? Just [add a child page](#) below, and dig in!

- Accessibility
- Aggregator
- Backwards compatibility
- Clean up core initiative
- Configuration Management, Automation & Features
- Contact
- Database API
- Design Initiative
- Design and Theming
- DrupalWTFs
- Form API
- HTML5 Initiative
- Help System
- Internationalization
- JavaScript
- Learnability
- Path and Path API
- Pathauto in core

Page status

Needs updating

Edit this page

About this page

Drupal version

Drupal 8.x

Getting Involved Guide

- Ways to get involved
- Talk with the community
- Get a Drupal.org account
- Drupal.org style guide
- Contribute to documentation
- Drupal Code of Conduct
- Community Initiatives
  - Documentation Team Goals and Planning
  - Drupal core initiatives
    - Accessibility
    - Aggregator
    - Backwards compatibility
    - Clean up core initiative
    - Configuration Management, Automation & Features
    - Contact
    - Database API
    - Design Initiative
    - Design and Theming
    - DrupalWTFs
    - Form API

[drupal.org/community-initiatives/drupal-core](https://drupal.org/community-initiatives/drupal-core)



Nobody cares about it

The screenshot shows the Drupal Groups homepage. At the top, there's a navigation bar with links for Log out, Events, Groups, Jobs, Recent, and My account. Below this is a search bar labeled "Search Drupal Groups" and a "Search" button. The main heading is "Drupal Groups". Below the heading, there's a sub-navigation bar with "Groups Homepage", "Logged in as Gábor Hojtsy", "Log out", and "Admin".

The main content area is titled "Working and regional Groups & Meetups". It includes a message: "You are welcome to create a group. Please adhere to the guidelines presented there. You may subscribe to the RSS feed for this groups directory". Below this is a filter section with "Keywords" and "Group type" (Geographical, Working group, Distribution, Event planning, Archive). An "Apply" button is next to the group type dropdown.

The main list of groups is as follows:

Group	Description	Join Link	Members count
Drupal 8: Blocks & Layouts Everywhere Initiative	Drupal 8: Blocks & Layouts Everywhere Initiative	<a href="#">Join</a>	90
Drupal Jobs	For Drupal-specific job postings.	<a href="#">Join</a>	388
Redmine	This group is for anyone who is using Redmine to help manage a team of drupalers and their drupal projects	<a href="#">Join</a>	52
Entity API	All entity API related development discussions, Drupal7 and Drupal 8.	<a href="#">Join</a>	86
Drupal Prometheus	Drupal Prometheus ( <a href="http://drupal.org/project/prometheus">http://drupal.org/project/prometheus</a> ) General Discussion Group	<a href="#">Join</a>	8
Space Advocacy	This group is to help likeminded Drupal Web Developers collaborate to use powerful Drupal to get humanity into space & beyond.	<a href="#">Join</a>	13
Large Scale Drupal (LSD) - Projects and Plans	A group for LSD projects and proposals	<a href="#">Join</a>	199
MongoDB	This is a discussion and working group for anyone interested in implementing mongoDB with Drupal.	<a href="#">Join</a>	66
DevOps	A general group to discuss all things related to Development Operations. Deployments, Infrastructure, Branching Strategies, Performance, etc.	<a href="#">Join</a>	373
Earth Science Information Partners	Where members of the ESIP Federation can share knowledge and information on	<a href="#">Join</a>	8

The right sidebar contains several sections:

- New groups**: A list of new groups including "Drupal 8: Blocks & Layouts Everywhere Initiative", "Google Summer of Code 2012", "Liberia", "SaaS", "Drupal Jobs", "Redmine", "Cote d'Ivoire", "Entity API", "Drupal Prometheus", and "Space Advocacy". A "more" link is at the bottom.
- Moderation queue**: "57 posts in moderation".
- Recent additions:** A list of recent additions including "Debit Card Loans: For the quick and convenient monetary access", "Fulda", "Mission Drupal Pune", "DelMar Development", "Multiple website installation: Success!", and "Shenzhen".
- Hot content this week**: A list of hot content including "Design iterations for the content creation page", "Detailed response to publicly posted CSRF concerns in Drupal 7.12", "GDO LA Main Page and High Visibility Spaces", "Core Context UX: Page & Component library", and "DrupalChix Presents: Ladies First! The Party before the Party".

At the bottom of the sidebar, there's a pagination link "1 of 23".

groups.drupal.org/groups



Nobody cares about it

projects / project/drupal.git / history

commit : ? search:  ☐ re

summary | shortlog | log | commit | commitdiff | tree first · prev · next

- Patch #1387608 by Gábor Hojtsy, tstoeckler: Unify language\_list() and locale\_langua...

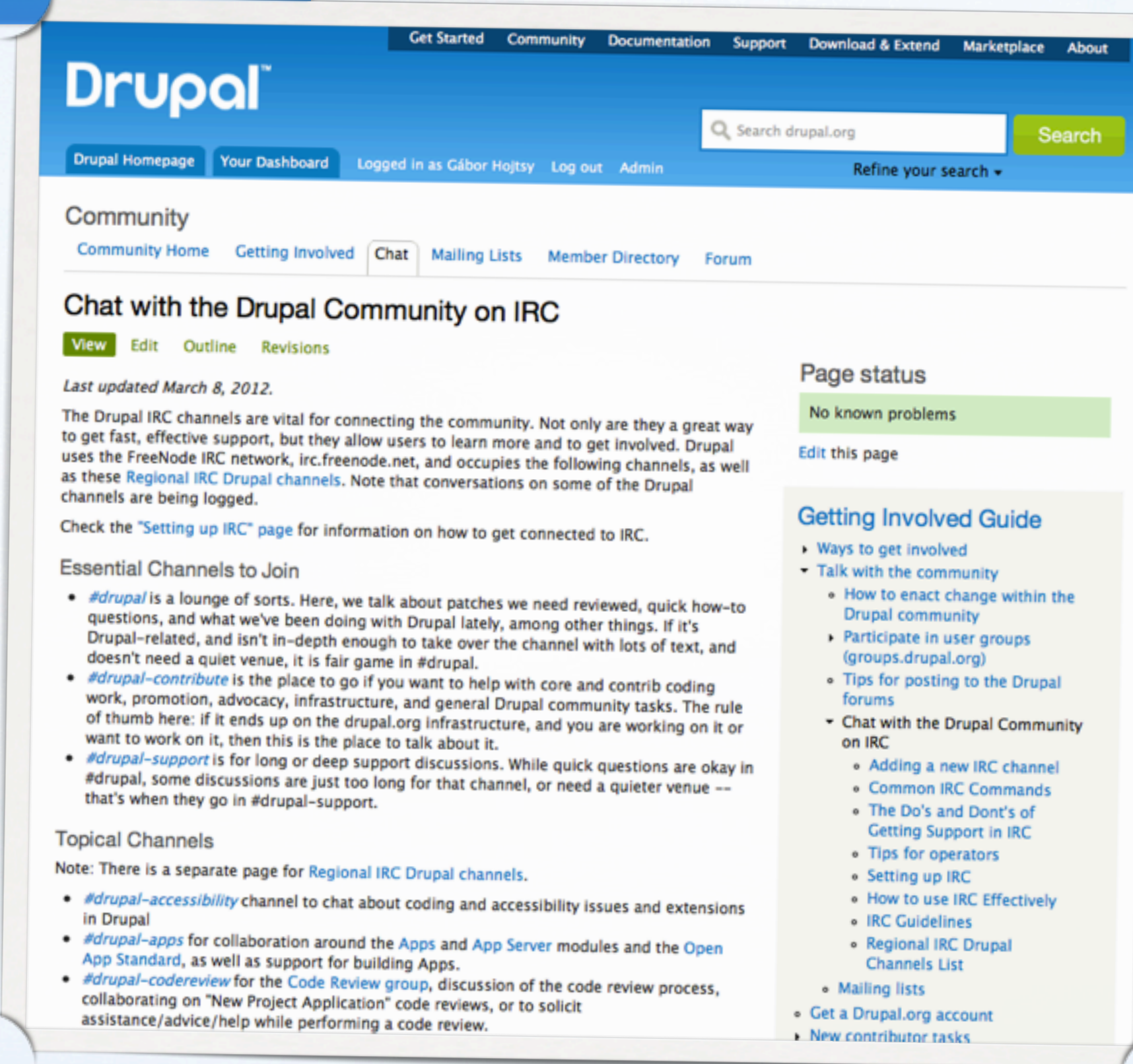
[project/drupal.git] / robots.txt

2011-11-01	Nathan Haug	Issue #22336 by quicksketch, scor, boombatower, and...	blob   commitdiff
2011-08-16	webchick	Issue #1249132 by aspilicious: Add INSTALL.sqlite.txt...	blob   commitdiff   diff to current
2011-06-01	webchick	Issue #1137848 by BrockBoland, tim.plunkett, jensimmons...	blob   commitdiff   diff to current
2011-02-25	The Great Git Migr...	Stripping CVS keywords	blob   commitdiff   diff to current
2010-12-29	Angie Byron	#905576 by idflood: Allow crawling of /contact/ by...	blob   commitdiff   diff to current
2009-09-11	Angie Byron	#494462 by z.stolar: Don't disallow crawling of of...	blob   commitdiff   diff to current
2008-11-29	Dries Buytaert	- Patch #337820 by Dave Reid, Damien Tournoud, et al...	blob   commitdiff   diff to current
2008-11-27	Angie Byron	Reverting #337820 once more, as it causes mysterious...	blob   commitdiff   diff to current
2008-11-25	Dries Buytaert	- Patch #337820 by Dave Reid: rename menu path logout...	blob   commitdiff   diff to current
2008-08-25	Dries Buytaert	- Patch #299582 by hass: robots.txt maintenance.	blob   commitdiff   diff to current
2007-06-27	Gábor Hojtsy	#75916 follow up patch by Richard Eriksson: allow aggre...	blob   commitdiff   diff to current
2007-03-25	Dries Buytaert	- Patch #130427 by scor: add INSTALL.txt to robots...	blob   commitdiff   diff to current
2007-01-08	Dries Buytaert	- Patch #75916 by powick: block user/login page.	blob   commitdiff   diff to current
2006-08-16	Dries Buytaert	- Patch #79031 by jvandyck: corrections to robots.txt.	blob   commitdiff   diff to current
2006-08-15	Neil Drumm	#78652 by m3avrck, add CVS ID	blob   commitdiff   diff to current
2006-08-14	Dries Buytaert	- Patch #77183 by m3vrck: cleaned up some of the CSS...	blob   commitdiff   diff to current
2006-08-14	Dries Buytaert	- Patch #75916 by Robert: re-introduced default robot...	blob   commitdiff   diff to current
2002-04-12	Kjartan Mannes	removing robots.txt and cvs.module	blob   commitdiff
2000-12-16	Dries Buytaert	Again, a large batch of updates - I'm twisting things...	blob   commitdiff   diff to current

[drupalcode.org/project/drupal.git/history/HEAD:/robots.txt](http://drupalcode.org/project/drupal.git/history/HEAD:/robots.txt)



Nobody cares about it

A screenshot of the Drupal.org website, specifically the 'Chat with the Drupal Community on IRC' page. The page has a blue header with the Drupal logo and navigation links like 'Get Started', 'Community', 'Documentation', 'Support', 'Download & Extend', 'Marketplace', and 'About'. Below the header, there's a search bar and user login information. The main content area is titled 'Community' and includes sub-links like 'Community Home', 'Getting Involved', 'Chat', 'Mailing Lists', 'Member Directory', and 'Forum'. The 'Chat' link is active. The main heading is 'Chat with the Drupal Community on IRC'. Below it are links for 'View', 'Edit', 'Outline', and 'Revisions'. The text explains that Drupal IRC channels are vital for connecting the community and lists several channels: #drupal, #drupal-contribute, and #drupal-support. It also mentions 'Regional IRC Drupal channels'. On the right side, there's a 'Page status' section indicating 'No known problems' and a 'Getting Involved Guide' with a list of links for getting involved, talking with the community, and chat-related topics.

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Drupal™

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## Community

Community Home Getting Involved Chat Mailing Lists Member Directory Forum

### Chat with the Drupal Community on IRC

View Edit Outline Revisions

Last updated March 8, 2012.

The Drupal IRC channels are vital for connecting the community. Not only are they a great way to get fast, effective support, but they allow users to learn more and to get involved. Drupal uses the FreeNode IRC network, irc.freenode.net, and occupies the following channels, as well as these [Regional IRC Drupal channels](#). Note that conversations on some of the Drupal channels are being logged.

Check the ["Setting up IRC" page](#) for information on how to get connected to IRC.

#### Essential Channels to Join

- [#drupal](#) is a lounge of sorts. Here, we talk about patches we need reviewed, quick how-to questions, and what we've been doing with Drupal lately, among other things. If it's Drupal-related, and isn't in-depth enough to take over the channel with lots of text, and doesn't need a quiet venue, it is fair game in [#drupal](#).
- [#drupal-contribute](#) is the place to go if you want to help with core and contrib coding work, promotion, advocacy, infrastructure, and general Drupal community tasks. The rule of thumb here: if it ends up on the drupal.org infrastructure, and you are working on it or want to work on it, then this is the place to talk about it.
- [#drupal-support](#) is for long or deep support discussions. While quick questions are okay in [#drupal](#), some discussions are just too long for that channel, or need a quieter venue -- that's when they go in [#drupal-support](#).

#### Topical Channels

Note: There is a separate page for [Regional IRC Drupal channels](#).

- [#drupal-accessibility](#) channel to chat about coding and accessibility issues and extensions in Drupal
- [#drupal-apps](#) for collaboration around the [Apps](#) and [App Server](#) modules and the [Open App Standard](#), as well as support for building Apps.
- [#drupal-codereview](#) for the [Code Review group](#), discussion of the code review process, collaborating on "New Project Application" code reviews, or to solicit assistance/advice/help while performing a code review.

#### Page status

No known problems

[Edit this page](#)

#### Getting Involved Guide

- [Ways to get involved](#)
- [Talk with the community](#)
  - [How to enact change within the Drupal community](#)
  - [Participate in user groups \(groups.drupal.org\)](#)
  - [Tips for posting to the Drupal forums](#)
- [Chat with the Drupal Community on IRC](#)
  - [Adding a new IRC channel](#)
  - [Common IRC Commands](#)
  - [The Do's and Don't's of Getting Support in IRC](#)
  - [Tips for operators](#)
  - [Setting up IRC](#)
  - [How to use IRC Effectively](#)
  - [IRC Guidelines](#)
  - [Regional IRC Drupal Channels List](#)
- [Mailing lists](#)
- [Get a Drupal.org account](#)
- [New contributor tasks](#)

[drupal.org/irc](https://drupal.org/irc)



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Community

Community Home Getting Involved Chat Mailing Lists Member Directory Forum

## Core office hours

[View](#) [Edit](#) [Outline](#) [Revisions](#)

Last updated February 29, 2012.

Drupal core needs more eyes and more contributors to decrease the very high amount of unresolved issues.

We hold the Drupal core "office hours" each week in [#drupal](#) on freenode:

- Tuesday, 04:00 – 06:00 UTC ([convert this to my timezone](#))
- Wednesday, 16:00 – 18:00 UTC ([convert this to my timezone](#))
- Core office hours calendar: [7ss54o2foktlc8b75d1gest4do@group.calendar.google.com](#)

Follow [@drupalcore](#) and the [#DrupalCOH](#) hashtag on Twitter for updates.

### Why office hours?

There are currently a large number of unresolved issues in the core queue, and we want to get more organised dealing with the backlog, and encourage new people to help out.

Current numbers:

- Over [2400 open bug reports](#) against Drupal 8 and 7.
- Over [1600 open bug reports](#) against Drupal 6.
- Over [1000 patches needing review](#) for Drupal 8 and 7.
- Nearly 200 bug reports against Drupal 6/7/8 have [0 replies](#).

### How will office hours help?

If you've been wanting to get involved in Drupal core development, but aren't sure where to start, come to the office hours. You will find experienced contributors who will help you find something to work on.

If you have patches or bug reports against Drupal core, and want to get your patch reviewed or figure out where to take the issue next, this should be a good time of the week to trade reviews on IRC.

### Things we will do

Office hours are for both experienced contributors and developers as well as newcomers.

### Page status

[Edit this page](#)

### Getting Involved Guide

- [Ways to get involved](#)
- [Talk with the community](#)
- [Get a Drupal.org account](#)
- [New contributor tasks](#)
- [Drupal.org style guide](#)
- [Contribute to documentation](#)
- [Drupal Code of Conduct](#)
- [Community Initiatives](#)
- [Make Drupal.org awesome](#)
- [Review full project applications](#)
- [Use the issue queue](#)
- [Testing code](#)
- [Contribute to development](#)
- [Git documentation](#)
- [Translate Drupal to your language](#)
- [Core office hours](#)
  - [Tasks for Drupal core office hours](#)
- [Drupal.org site maintainer's guide](#)
- [Novice code contribution guide](#)
- [Google Code-In](#)
- [Google Summer of Code](#)
- [rsync Drupal CVS repositories](#)
- [Events](#)

[drupal.org/core-office-hours](https://drupal.org/core-office-hours)



Nobody cares about it

The screenshot shows the Drupal Planet homepage. At the top is a blue navigation bar with links: Get Started, Community, Documentation, Support, Download & Extend, Marketplace, and About. Below this is the Drupal logo and a search bar. The main content area features a post titled "Creating Responsive & Mobile First Drupal Themes" by Development Geeks, dated March 16, 2012. The post includes a graphic with the text "Creating RESPONSIVE & MOBILE first Drupal Themes". The text of the post discusses the importance of responsive web design and mobile-first themes in Drupal. On the right side, there is a sidebar with "Drupal News" and a list of sources for the Planet Drupal feed.

Drupal

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## Planet Drupal

View Categorize Configure

### Creating Responsive & Mobile First Drupal Themes

Posted by Development Geeks on March 16, 2012 at 12:07pm



This is a stub for my [upcoming presentation](#) at [DrupalCon Denver](#). On Thursday, March 22nd, this node will be updated with the presentation slides. Look forward to seeing you all in Denver!!

**Responsive Web Design** is all the rage these days, and everyone wants a slice of the pie, regardless if it's for your own site refresh, or something you want to pitch to your next client. Responsive design has exploded in the past year, as can be easily evident by the number of large (and small) sites adopting responsive techniques to serve content to ALL devices at once using the same codebase.

This session will assume that you have a current understanding of what **responsive** and **mobile-first** are, and that you come to this session ready to learn EXACTLY how to incorporate these technologies now in your Drupal projects.

This session will guide you through the methods to actually **implement responsive, mobile-first themes in Drupal**, today... On your way out the door when this session ends, you'll be armed with the latest knowledge, tools, and inspiration to skip a time slot or two after the session, and start hacking away at your own responsive design!!

Session Outline

- Introduction

Drupal News

Planet Drupal

Drupal Association

Planet Drupal aggregates broadly appealing, Drupal-related blog posts pertaining to the community at large (code, advocacy, marketing, infrastructure etc.). If you would like your blog to be included in the Planet, read [the requirements and steps on how to join](#).

Collecting posts from the following 467 sources:

- 10jumps Blog (feed)
- 11heavens (feed)
- 2bits (feed)
- 3281d Consulting (feed)
- Aaron Winborn (feed)
- Achieve Internet (feed)
- Acquia (feed)
- ActiveLAMP (feed)
- Adam Light (feed)
- Adaptivethemes (feed)
- Addison Berry (feed)
- Adub (feed)
- Advantage Labs (feed)
- Advomatic (feed)

[drupal.org/planet](http://drupal.org/planet)



# Everybody cares about it

- Consider all feedback, criticism
- Do not cater to everybody
- Keep your issue summary updated
- Be present, respond where needed
- Have an overall plan with followups
- [drupal.org/dcoc](http://drupal.org/dcoc)



Everybody cares about it

## Drupal.org project sandbox

Issue

Issue

Issue

Commit

Commit

Commit

Merge

## Structured tagging

Issue

D8MI

Commit

Issue

D8MI

Commit

Issue

Issue

Issue

Issue

Commit

## META issues

Commit

Commit

# Yay, my patch is RTBC

- Does not guarantee it is in.
- In case of extended time to commit, make sure it still applies and passes tests.
- Might bounce back to any previous state.



***PARTY!!***

Get started tomorrow!

[denver2012.drupal.org/sprints](http://denver2012.drupal.org/sprints)





# What did you think?

Locate this session on the  
DrupalCon Denver website

<http://denver2012.drupal.org/program>

Click the “Take the Survey” link.

# Thank You!