The Business Case for Contributing Code

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Zivtech
ILLUMINATING TECHNOLOGY

About Us

- Zivtech = 4+ years old, 20+ employees

- Alex UA

  - Co-founder, CEO

  - Professional Troublemaker

  - Hat enthusiast

The Problem

- Wide spread confusion as to the nature of Open Source Software

  - Requires a different mind set for development: partially public development.

- Publicly committing code is talked about talked as strictly an altruistic activity

OSS goes to Washington

Clarifying Guidance Regarding Open Source Software (OSS) - bit.ly/dod-ossh

What makes it OSS-ome?

- Broad peer review = more secure & better quality code.

- Flexibility over time- the world changes & you must too.

- No vendor lock-in.

- No restrictions on users of OSS.

What makes it OSS-ome?

- No per-seat licenses = scalable usage

- Shared maintenance = lower TCO

- Iteration & Experimentation

- Ability to vet developers

One is the loneliest number

Don't Hack What?

- Drupal Core

- Contrib Modules

  - ~16,700

- Custom Modules

  - Site-specific code

Hook everything, hack nothing!

- Contrib made possible by Drupal's hook system

  - Source of Drupal's flexibility

- Functionality should be alterable from another module

  - This a bug, not a feature

Why not hack?

- Lose many of the major benefits of working with OSS

Flexibility & Scalability

- Can't take advantage of improvements

- Can't interact with other modules

- Can't use common scaling techniques

Long Term Costs

- You broke it, you own it

- Not able to share costs

- Nobody will contribute to your private fork

Support & Vendor Lock In

- Good shops won't work with hacked code, & neither should you

- Either get stuck with hackers or will have to pay to replace hacks

Quality Assurance

- With enough eyes, all bugs are shallow

- Peer review increases quality

- QA is a process

  - internal reviews

  - publish to d.o. issue queues

Security

- Doesn't fall under community security processes / authorities

- Can't easily apply security patches

- Lose "enough" eyes

Moar Benefitz Plz!

- Trial by fire training

- Community training

- Community recruitment

- Marketing

- Employee development

- Vet your developers & shops!

- Being awesome

Marketplace

Services | **Hosting** | **Training** | Marketplace preview

Zivtech

Posted by **Alex UA** on *April 8, 2011 at 4:16pm*

Zivtech – Illuminating Technology

Services
Architecture, Custom Development, Data migration, Design, Development, Enterprise Drupal Development, Information architecture, Interaction design, Module Development, Site Audits, Training

Sectors
E-Commerce, Education, Enterprise, Government, Media, Non-Governmental Organizations, Non-profit, Political, Publishing, Youth

Countries served
Australia, Canada, Denmark, Hong Kong, Ireland, Norway, Switzerland, United Kingdom, United States

Headquarters
Philadelphia, PA

Usual project budget
$25,000–250,000

ZivTech is an Open Source web development, design, and training company located in Philadelphia, PA that specializes in building beautiful, useable, and scalable Web Applications and Enterprise Content Management Systems using Drupal, Alfresco, and a number of additional Open Source Software products. Our active participation in the Drupal community pushes us to write and share great code, host interesting and engaging events, and mentor and train new development talent. It also means we know about all of the latest developments and trends, which add-ons/modules work well, and which ones should be avoided.

Drupal contributions

We contribute to Drupal in many different ways, including:

- Giving our employees time to work on Drupal projects
- Releasing and maintaining many different modules
- Working on and releasing themes
- Patches to both Drupal Core and Contributed Modules
- Assisting with Drupal.org and Drupal.org infrastructure, like the git migration and the Drupal.org redesign
- Organizing, Hosting, and/or Sponsoring Drupal MeetUps, Camps, and Conferences
- Giving sessions at many different MeetUps, Camps, and Cons
- Administering and/or Mentoring the Google Summer of Code for Drupal
- Evangelizing Drupal at non-Drupal-specific events
- Training new Drupal users at Public and Private trainings
- Working on Drupal.org documentation
- Writing blog posts for the Drupal planet

codingdesigner, **Creative Director**

On Drupal.org for 6 years 3 days
Contributor to Survival Kit, HTML5 Base

Alex UA, **Partner | CEO**

On Drupal.org for 5 years 20 weeks
Over 50 edits to documentation
Contributor to Embedded Media Field, Media: Video Flotsam, Media: Image Flotsam, and 4 more

Jody Lynn, **CTO**

On Drupal.org for 5 years 19 weeks
Over 10 edits to documentation
Contributor to Webform Entity, Media, Feedback, and 15 more

Jody Lynn

Smartqueues for Organic Groups: June 19, 2012 20:39

Commit 6692481 on 7.x-1.x
by Jody Lynn

```
#1023942 by arithmetric: Port smartqueue_og to D7
```

Webform Entity: May 21, 2012 16:55

Commit 56d97f4 on multistep
by Jody Lynn

```
form #ids change when more than one is on the page. Deal with it. By drewish, Jody Lynn and Jonathan Uy
```

Feedback: May 15, 2012 5:15

Commit ff8568f on 7.x-2.x
by Jody Lynn

```
#1580802 by Dave Reid: fix XSS vulnerability from not sanitizing format_username.
```

Webform Entity: April 18, 2012 22:48

Commit 74ee9cf on multistep
by Jody Lynn

```
fix pathauto delete to prevent fatal error on deleting submissions
```

Drupal core: April 17, 2012 0:53

Commit 48dd0e6 on 8.x
authored by Jody Lynn, committed by Crell

```
Issue 1534716: Use access callback for aggregator refresh link and replace use of $_GET
```

Drupal core: April 17, 2012 0:53

Commit 9a34e05 on 8.x

Fix token-related tests

Posted by Jody Lynn on *April 16, 2012 at 12:23am*

Project:	WSCCI
Component:	Code
Category:	task
Priority:	normal
Assigned:	Unassigned
Status:	closed (fixed)

4 followers

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Issue Summary

Working on fixes for failing aggregator tests in kernel.

Login or register to post comments

Comments

#1

Posted by Jody Lynn on *April 16, 2012 at 12:30am*

One issue is very similar to #1528922: Fix failing Comment tests so I fixed it the same way. Branch is 1534716-aggregator-tests.

The other issue is that node.module's rss.xml (function node_feed) contains additional HTML page sections after the xml (toolbar, block regions). Not sure how to fix that yet.

Attachment	Size
1534716-1.patch	2 KB

Login or register to post comments

#2

Posted by katbailey on *April 16, 2012 at 2:07am*

@Jody, I started looking at this too as I hadn't seen that you were. But I focused on the other problem so between us we fixed both problems :-) That is, assuming my solution meets with Crell's approval. There is a hacky bit where we need to ascertain the content type as xml, but my understanding is that the content type negotation stuff is going to change anyway...

Attachment	Size
aggregator_1534716.patch	2.19 KB

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Module or Patch?

- Maintaining a module is both a personal & business commitment

- Is there a business benefit?

- Is it an itch you want to scratch?

- If answer to either is no, we patch

Best Patch EVAH!!!
-2522 lines, +148 lines

Simpler LDAP Provisioning Using Core User Registration

Posted by Jody Lynn on *September 8, 2010 at 7:09pm*

Project:	LDAP provisioning
Version:	6.x–1.0–beta1
Component:	Code
Category:	task
Priority:	normal
Assigned:	Unassigned
Status:	needs review

9 followers

Jump to:

Most recent comment
Most recent attachment

Issue Summary

Presumably as a consequence of the module's age and history, it isn't doing things in a current standard Drupal way. Most critically, I found the total replacement and recreation of the user registration form to be unacceptable for my project, as it can never take into account all the other modules that may need to alter user registration in some way. I also was concerned by the amount of extra code involved in trying to make that approach work, and all of the extra components of user account approval and bulk import that seem to be separate features from creating ldap accounts on user registration.

I removed the bulk of the code, and refactored what was left to use the core registration process. It's currently working properly for me in creating new users in LDAP on user registration, using profile fields for the name fields if configured for that, deleting users from ldap on deletion, and updating username, email, and profile fields into LDAP. I believe this slimmer feature set will be preferable for many users. Attached is a patch and a zip file of the new slimmer module.

Attachment	Size
ldap–simplified.patch	127.24 KB
ldap_provisioning.zip	14.3 KB

Will work for pay

http://zivte.ch/otddodcio

Will work for pay

- DoD recomendation: Add contractual incentives for getting code committed "up stream" ( )

- We still are asked for the opposite (i.e. to give a client a "break" on our charges if we are allowed to release it)

- Ability to freely commit code is a non-negotiable part of contracts

Zivtech's Project & Patching Processes

- Create specs

- Architecture plan

- Evaluating landscape & what's available

- Determine approach

- Use all community code

- Create custom module to extend existing contrib modules (preferably)

Zivtech's Project & Patching Processes

- Patch existing modules

- Tracking the change and posting to d.o

  - Add to patches folder - deployed automatically

- Code and resolve issue

- Review and iterate