

# Testing patches for the non-developer



Drupalcamp Vancouver 2008

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# Overview



How are changes implemented in drupal?

- drupal bug database / task list

- patches

- review process

- source control

Contributing to Drupal, what is a patch?

Process of testing on your local environment

# Contributing to Drupal



Helping in irc channels, forum

Documentation

Reviewing issues, testing patches

Creating patches

Maintaining modules

Core development

Organizing community events

# Why create/test Patches?



Help a module that has not yet been updated to the latest drupal version.

Start to learn development.

Make the module more popular, so that you can continue to use it in the future.

Give back / pay it forward.

# Dealing with the public



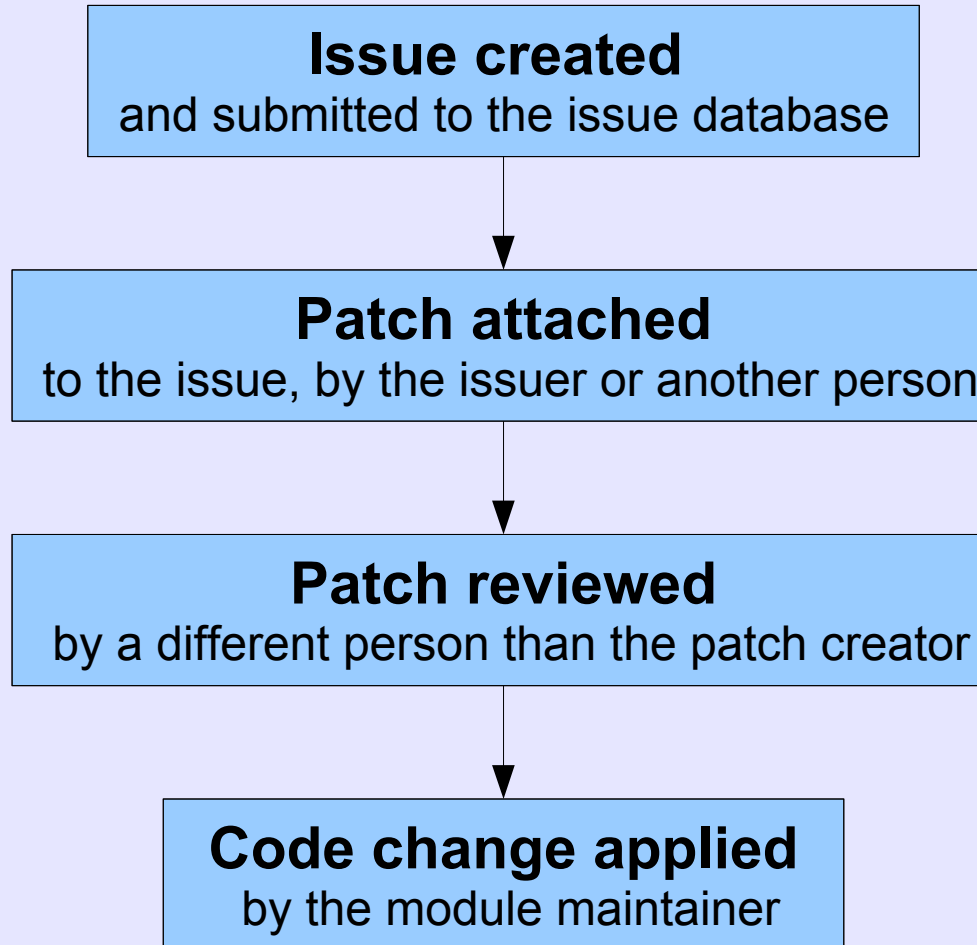
Need to develop a thick skin.

Don't be discouraged if you receive negative responses, quite normal.

If you dislike a patch, suggest an alternate solution.

Provide clear instructions as much as possible.

# Revision Process



# Reason



Working with people at different skill levels,  
understanding and insights.

Possibility for confusion and collision of code.

Process required to review suggested changes.

Drupal enables collaboration using source  
control, issue database, patches.

# Steps for Reviewing



Read through the comments in the issue

Does the proposed change make sense

Test the functionality

Examine the usability

Review the code / patch

Look for security issues

Look for scalability issues

# Task List / Bug Database



## project

drupal website, installation profiles, modules, themes,  
theme engines, translations

## category

bug report, task, feature request, support request

## priority

critical, normal, minor

## status

active, patch, fixed, duplicate, won't fix, by design,  
closed



# Patch levels

## Patch (code needs review)

when a patch is first created, this should be the level assigned

## Patch (reviewed & tested by the community)

a person other than the patch creator, reviews the patch and it works

## Patch (code needs work)

the patch reviewer finds a problem with the code

# Environment



linux / unix

**lampp** - environment for apache/mysql/php

windows

lampp, wamp for apache/mysql/php

**Applying Patches on Windows**

macosx

xcode / fink - cvs

**mamp**

# Setup



hosts files: drupal5cvs 127.0.0.1

.my.cnf: max\_allowed\_packet=32M

php.ini: memory\_limit = 32M

apache (httpd.conf)

```
<VirtualHost *>
```

```
ServerName drupal5cvs
```

```
DocumentRoot /Users/afoo/www/drupal5cvs
```

```
</VirtualHost>
```

# CVS for checking out Drupal



To checkout drupal, use

```
cvcs -d ":pserver:anonymous:anonymous@cvs.drupal.org:/cvs/drupal"
```

```
checkout -r HEAD drupal
```

or

```
cvcs -d ":pserver:anonymous:anonymous@cvs.drupal.org:/cvs/drupal"
```

```
checkout -r <tag-name> drupal
```

To checkout drupal modules, use

```
cvcs -d ":pserver:anonymous:anonymous@cvs.drupal.org:/cvs/drupal"
```

```
checkout -r HEAD contributions/modules/<module-name>
```

# Applying a patch



Save the patch

Apply the patch

```
patch -p0 < patch/filename.patch
```

## Common Problems

unix vs windows end-of-line encodings

patch can't find the target file

# Issue links



submit an issue:

[http://drupal.org/node/add/project\\_issue/](http://drupal.org/node/add/project_issue/)

provide as much information as possible, with detailed steps to reproduce

Enable contributor block in user profile

<http://drupal.org/user/12345/edit>

# Patch links



## Patch queue

<http://drupal.org/project/issues?projects=3060&states=8,>

<http://drupal.org/project/issues?states=8,13,14>

## Patch newbie

<http://drupal.org/project/issues?states=1,16,8,13,14,15,4&>

# Resources



RaincityStudios debug guide

<http://raincitystudios.com/blogs-and-pods/thursday-is-dru>

Handbook patch starting point

<http://drupal.org/patch>

Patch spotlight

<http://drupal.org/patch/spotlight>

Movie, applying patches to drupal core

<http://drupal.org/node/132745>

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