

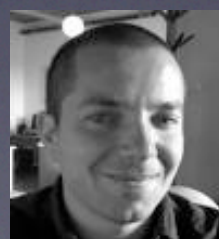
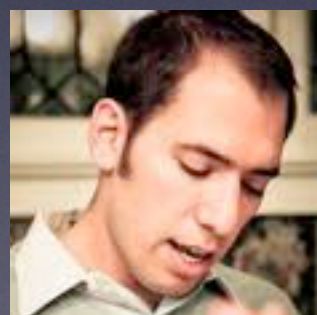
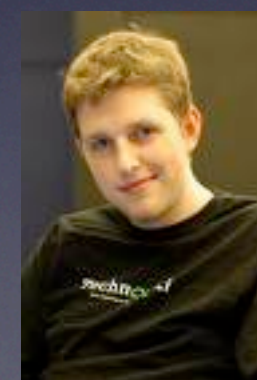
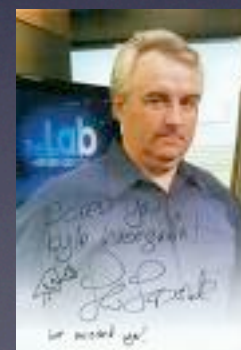
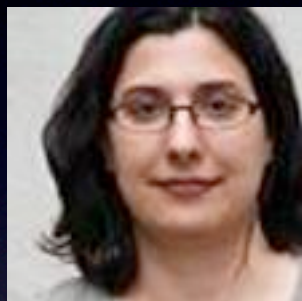
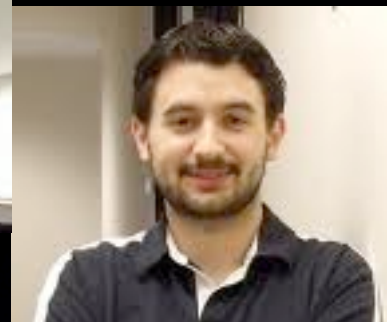
Contributing to Drupal

WDUG, February 2010

Andrew Berry: andrew@abdevelopment.ca

<http://www.abdevelopment.ca/>

Who contributes?



“drupal” faces from images.google.com

Anyone who wants to!

- Drupal users and site builders
- Companies and organizations using Drupal
- “Scratching an itch”
- Having fun!

Online Community

groups.drupal.org

(check out /waterloo-region !)



Tell me. Maybe I'll help.

ICANHASCHEEZBURGER.COM 🐱 🐱 🐱

Helping Others

Have you ever solved a problem yourself?

Get a d.o account

Browse to drupal.org, click “create new account”.

Forums

- Read and search documentation
- Use google
- Use good titles and clear bodies
- A good rule of thumb; try to answer one question for each one you ask!
- <http://drupal.org/forum-posting>

Tips and Tricks

- Use RSS
 - Drupal.org doesn't do forum post notifications, but Google Reader can do it for you
- Use `<code>` tags
- Can't type tab in a texarea? Paste one in from a text editor

Mailing Lists

- There are many mailing lists available to subscribe to
- Support, coding, theming, translating...
- <http://drupal.org/mailing-lists>

IRC

(isn't that a primitive chat program used by hackers?)

3 Steps

An IRC Client

- Windows?
 - mIRC, Pidgin, XChat
- OS X?
 - Colloquy, Adium, XChat
- Linux / BSD / Toaster?
 - XChat, irssi, BitchX

The IRC server

- Drupal IRC channels are hosted by freenode
- Most clients will have a preset for freenode
 - chat.us.freenode.net
- See http://freenode.net/irc_servers.shtml for more servers, SSL, etc

A Nickname

- If possible, use the same name as on drupal.org
- Register your nickname
- `/msg NickServ help`

Once you're connected

- Join a Drupal channel
 - <http://drupal.org/irc>
- Read the other Drupal IRC documentation
- Say something interesting!

Be nice!

- Sometimes many conversations are happening at once, or people AFK
 - “highlight” someone in your conversation by tab-completing their name
- Don't PM without asking
- Don't spam the channel (or individuals)

botsnack!



Druplicon != Drupalcon

Documentation

We're all on the documentation team

Editing the Handbook

- Core, contrib, and community pages
- Go to a documentation page...
- ... click “edit”!
- All you need to know is basic HTML
- No test pages please!

Documentation in code?

- While documentation lives “within” code (*.txt files, inline help, etc), you can help improve it without knowing how to code or create patches
- Post why the documentation should be changed, and your changes in the issue body
- <http://drupal.org/project/issues/drupal>
 - Select the “documentation” component

IRL

- Local user groups
- Drupalcamps
- Drupalcons
- Other communities?

Translations

- You can join a translation group and translate projects through a web interface
- Or, you can import and export translations to use a desktop application if you prefer
- <http://localize.drupal.org/>

Bug Hunting

Experiencing the bugs is the easy part!

Reporting Bugs

Did you look to see if it's been reported?

Death to + |

If you want to subscribe to an issue, try to add something new or useful

Describe the bug in the title

“Password error” vs. “Password checker breaks if no description”

Accurate and Concise

- Try to give all of the relevant information
- Provide steps to repeat the problem
- Include any errors from the webpage output or from PHP logs

Can you fix the error?

- Even workarounds can be useful for other users
- Do errors happen with other themes, or with modules disabled?
- Did an upgrade cause the problem?
- Even if you only are a beginner, “commenting out line 123 fixes the problem” can be useful



Patches

- Patches are how contributors propose changes
- Patching is easy on everything other than Windows
- `$ diff -up views.tpl.php.orig views.tpl.php > 12345_fix_missing_close_tag.patch`
- `$ patch -p0 < 12345_fix_missing_close_tag.patch`

Reading Patches

(Lets use <http://drupal.org/node/368006>)

Index: modules/system/system.admin.inc

=====

RCS file: /cvs/drupal/drupal/modules/system/system.admin.inc,v

retrieving revision 1.235

diff -u -p -r1.235 system.admin.inc

--- modules/system/system.admin.inc 9 Dec 2009 15:40:06 -0000 1.235

+++ modules/system/system.admin.inc 10 Dec 2009 01:29:55 -0000

```
@@ -928,7 +928,7 @@ function _system_modules_build_row($info
    if (!isset($info['core']) || $info['core'] != DRUPAL_CORE_COMPATIBILITY || empty($info['files'])) {
        $compatible = FALSE;
        $status_short .= t('Incompatible with this version of Drupal core. ');
-        $status_long .= t('This version is incompatible with the !core_version version of Drupal core. ', array
('!core_version' => VERSION));
+        $status_long .= t('This version is not compatible with Drupal !core_version and should be replaced.',
array('!core_version' => DRUPAL_CORE_COMPATIBILITY));
    }

    // Ensure this module is compatible with the currently installed version of PHP.
@@ -2546,7 +2546,7 @@ function theme_system_themes_page($varia

    // Make sure to provide feedback on compatibility.
    if (!empty($theme->incompatible_core)) {
-        $output .= '<div class="incompatible">' . t('This version is incompatible with the !core_version
version of Drupal core.', array('!core_version' => VERSION)) . '</div>';
+        $output .= '<div class="incompatible">' . t('This version is not compatible with Drupal !core_version
and should be replaced.', array('!core_version' => DRUPAL_CORE_COMPATIBILITY)) . '</div>';
    }
    elseif (!empty($theme->incompatible_php)) {
        if (substr_count($theme->info['php'], '.') < 2) {
```


Applying Patches

- If you use a VCS or an IDE, you'll have a good diff and patch tool built in
- Otherwise, try UnxUtils, but it's highly, highly recommended to use some sort of IDE for this, or to not use Windows

System Properties



System Restore

Automatic Updates

Remote

General

Computer Name

Hardware

Advanced

You must be logged on as an Administrator to make most of these changes.

Performance

Visual effects, processor scheduling, memory usage, and virtual memory

Settings

User Profiles

Desktop settings related to your logon

Settings

Startup and Recovery

System startup, system failure, and debugging information

Settings

Environment Variables

Error Reporting

OK

Cancel

Apply

System Properties

System Restore

Automatic Updates

Remote

Environment Variables

Edit System Variable

Variable name:

Path

Variable value:

system32\WBEM;C:\UnxUtils\usr\local\wbin

OK

Cancel

System variables

Variable	Value
FP_NO_HOST_C...	NO
NUMBER_OF_P...	1
OS	Windows_NT
Path	C:\Windows\system32;C:\Windows;C:\...
PATHEXT	.COM;.EXE;.BAT;.CMD;.VBS;.VBE;.JS;...

New

Edit

Delete

OK

Cancel

Applying a Patch to a Module

- Download the version the patch is against (usually a -dev release)
- Download the patch itself
- Apply and test
- Let's demo with <http://drupal.org/node/710668> (Dropbox Integration module)

? .project

Index: dropbox.module

=====

RCS file: /cvs/drupal-contrib/contributions/modules/dropbox/

dropbox.module,v

retrieving revision 1.10

diff -u -p -r1.10 dropbox.module

--- dropbox.module 31 Oct 2009 03:11:39 -0000 1.10

+++ dropbox.module 15 Feb 2010 22:14:26 -0000

@@ -27,9 +27,13 @@ function dropbox_menu() {

 * flood control they don't get the old form.

 */

function dropbox_boot() {

- \$arg = explode('/', \$_REQUEST['q']);

- if (\$arg[0] == 'user' && isset(\$arg[1]) && is_numeric(\$arg[1]) && isset
(\$arg[2]) && \$arg[2] == 'dropbox') {

- \$GLOBALS['conf']['cache'] = FALSE;

+ // We can't use arg() as it hasn't been set up this early in the
bootstrap

+ // process.

+ if (isset(\$_REQUEST['q'])) {

+ \$arg = explode('/', \$_REQUEST['q']);

+ if (count(\$arg) >= 3 && \$arg[0] == 'user' && is_numeric(\$arg[1]) &&
\$arg[2] == 'dropbox') {

+ \$GLOBALS['conf']['cache'] = FALSE;

+ }

 }

}

dropbox

File Edit View Favorites Tools Help

Back Forward Up Search Folders View

Address C:\Documents and Settings\Administrator\Desktop\dropbox

File and Folder Tasks

- Make a new folder
- Publish this folder to the Web
- Share this folder

Other Places

- Desktop
- My Documents
- Shared Documents
- My Computer
- My Network Places

Details

- dropbox.info
INFO File
1 KB
- dropbox.install
INSTALL File
5 KB
- dropbox.module
MODULE File
17 KB
- Equifax_Secure_Global_eBusi...
Security Certificate
1 KB
- LICENSE
Text Document
15 KB
- README
Text Document
3 KB
- 710668_q_not_set.patch
PATCH File
1 KB

If using command line
patch, convert the files
to Windows line endings

This can be done easily by opening the files in Wordpad
and saving.

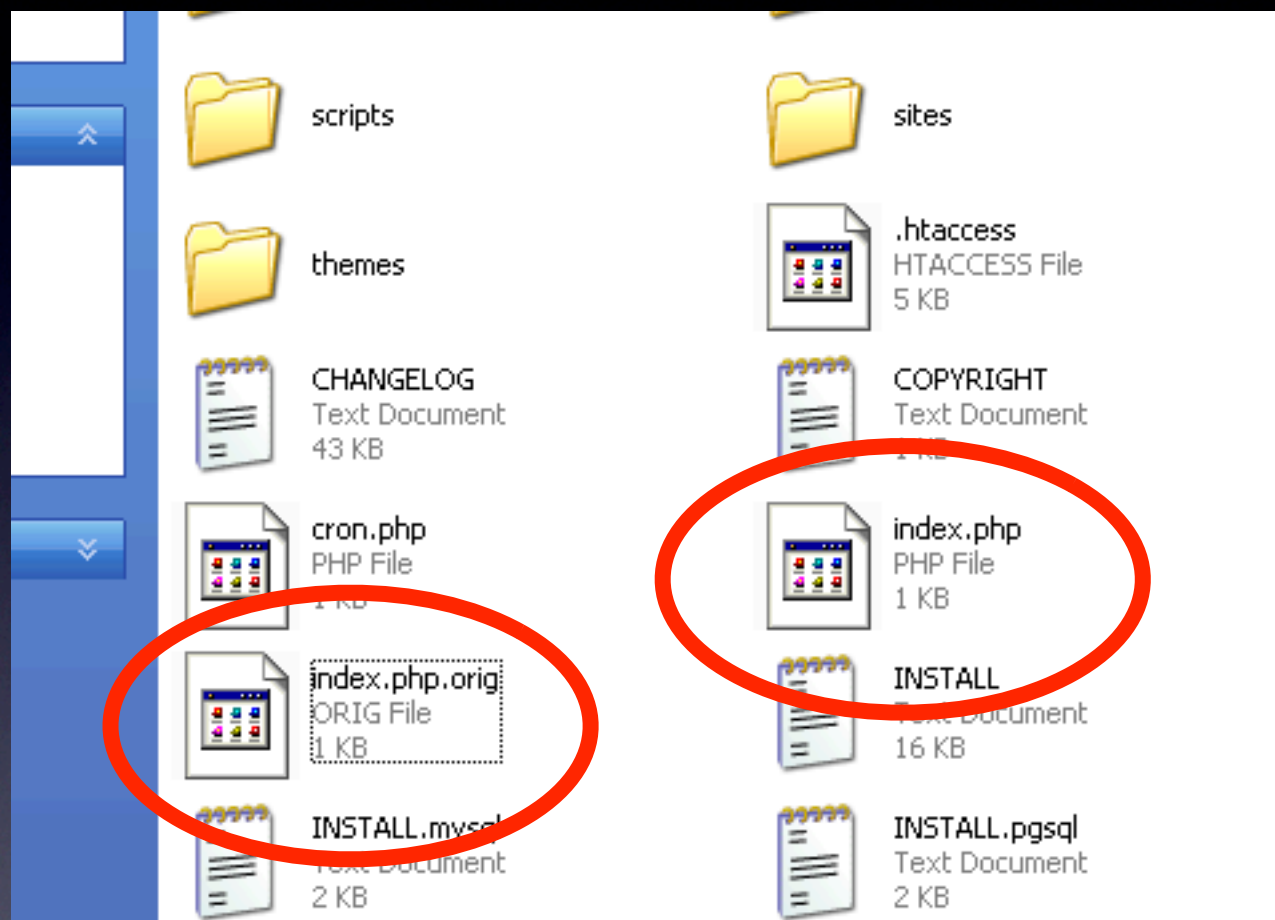
patch -p0 < 1234_a_downloaded_patch.patch

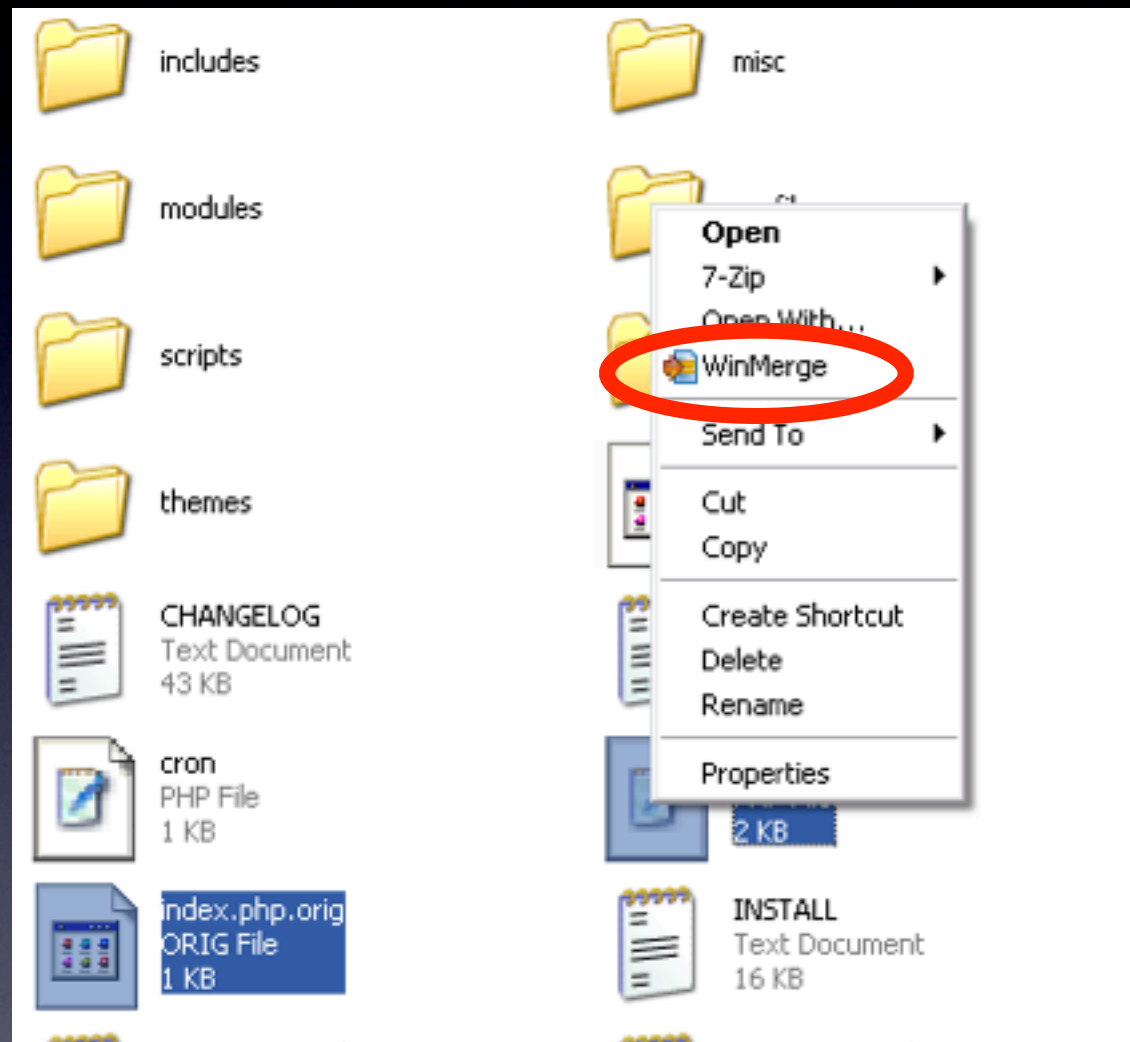
```
C:\Documents and Settings\Administrator\Desktop\dropbox>patch -p0 < 710668_q_not  
_set.patch  
patching file 'dropbox.module'
```

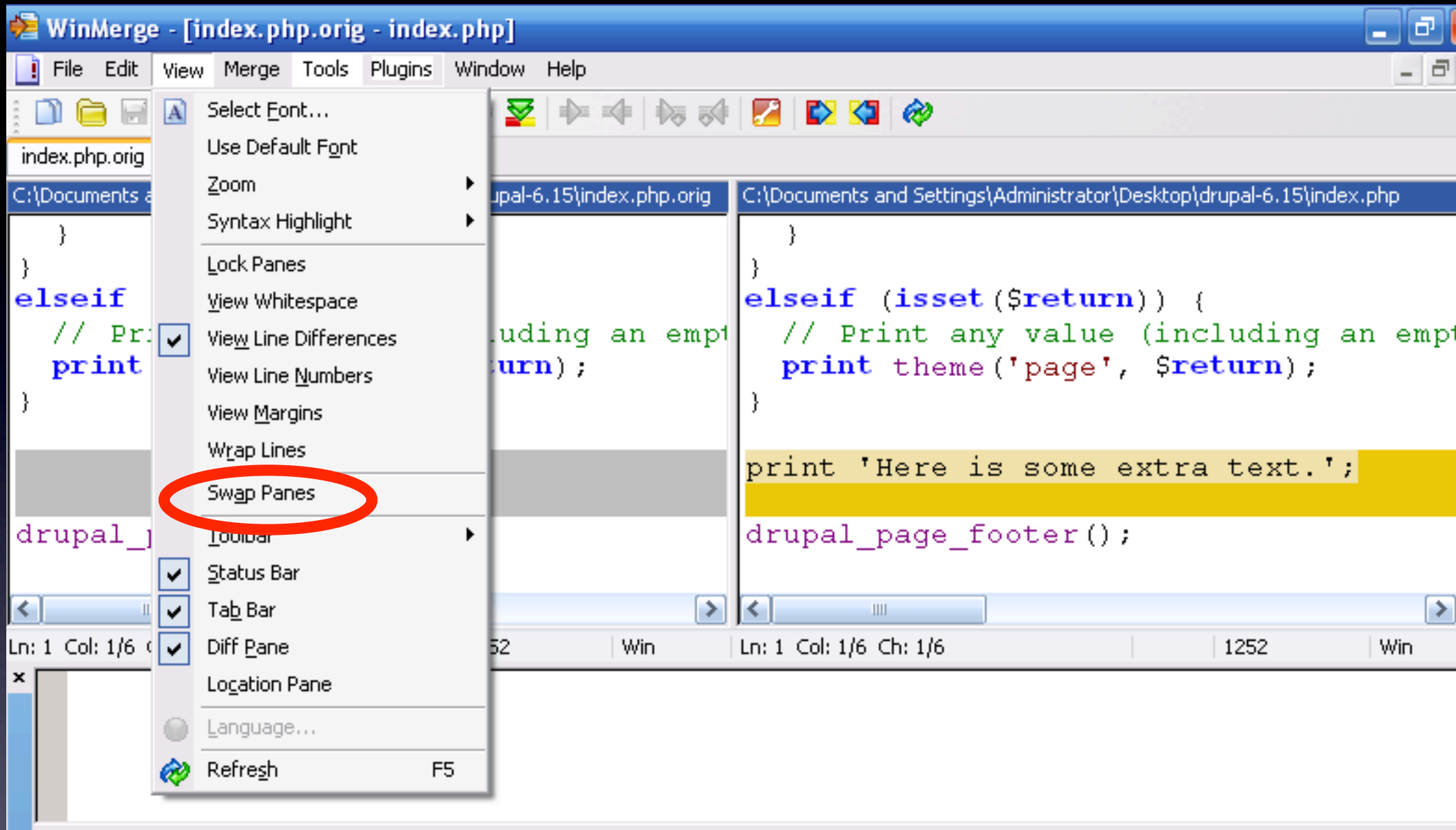

Be sure to test and
report!

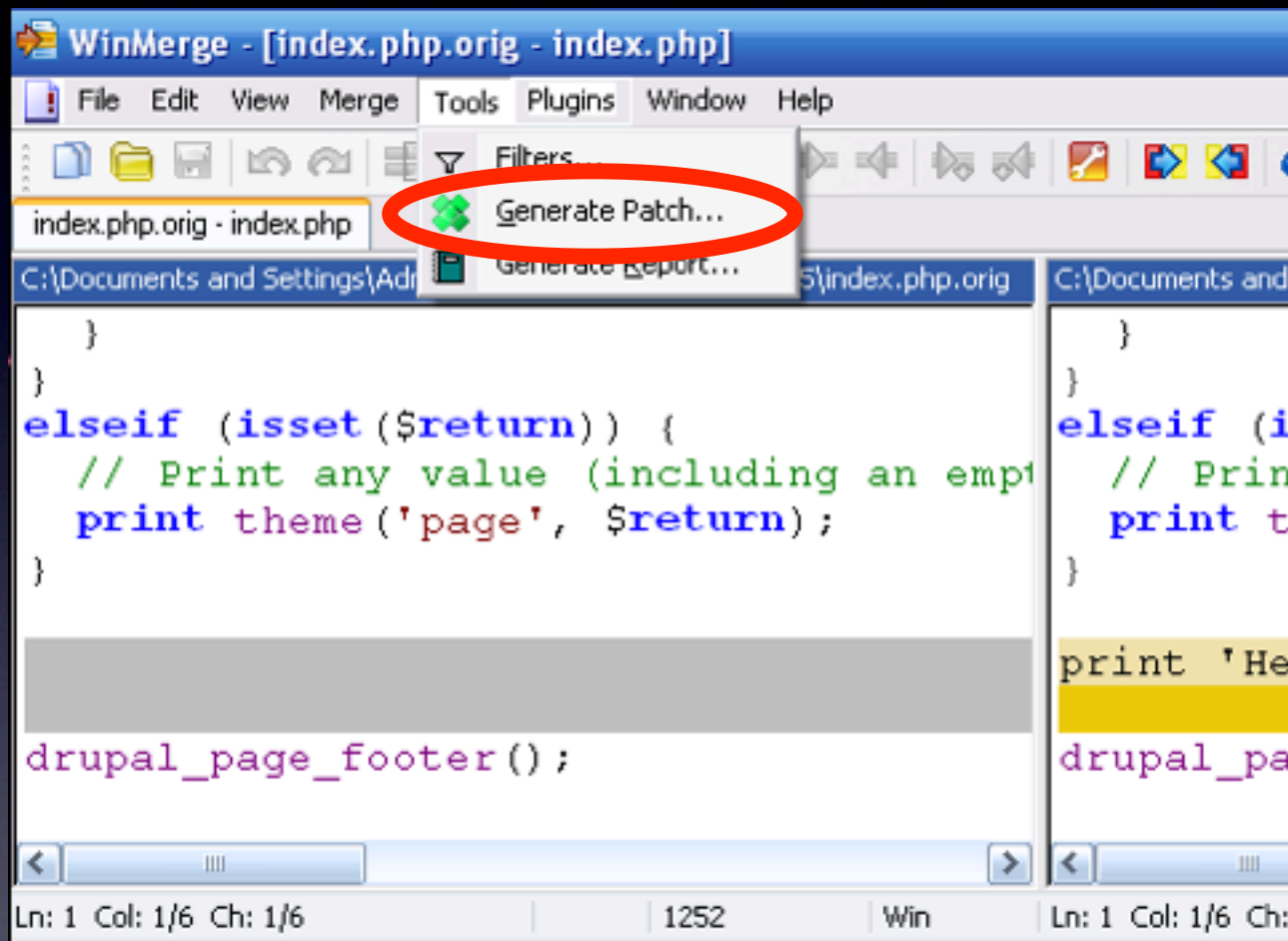
Creating Patches

- WinMerge can create patches, but can't apply them









Patch Generator ✕

File1: C:\Documents and Settings\Administrator\Desktop\drupal-6.15\inc ▼ Browse...

File2: C:\Documents and Settings\Administrator\Desktop\drupal-6.15\inc ▼ Browse...

☐ Append to existing file Swap

Result: ▼ Browse...

Format

Style: Unified ▼

Context: 3 ▼

Whitespaces

☒ Compare

☐ Ignore changes

☐ Ignore all

☐ Ignore blank lines

☒ Case sensitive

☒ Include command line

☐ Open to external editor

Defaults OK Cancel

```
diff U3 C:/Documents and Settings/Administrator/Desktop/drupal-6.15/index.php.orig C:/Documents and Settings/
Administrator/Desktop/drupal-6.15/index.php
--- C:/Documents and Settings/Administrator/Desktop/drupal-6.15/index.php.orig  Wed Feb 17 22:20:36 2010
+++ C:/Documents and Settings/Administrator/Desktop/drupal-6.15/index.php  Wed Feb 17 22:17:58 2010
@@ -36,4 +36,6 @@
     print theme('page', $return);
 }

+print 'Here is some extra text.';
+
 drupal_page_footer();
```


Drupal Association

- Donations and membership
- Redesign
- Conferences

What else?

- Modules
- Themes
- Advocacy
- Accessibility
- Upstream and downstream projects