Permissionless Software

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WordCamp Ottawa July 13-14, 2019

Ron Rennick

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Version 1.5 - Admin

A WordPress Weblog

Write Page

"The key to problem solving is identifying the problem."

–Bill

Free Software / Free Society

Richard Stallman

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Oh, Canada

Why do we use Free Software?

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Proprietary Software

Proprietary Software

- Permission to use the software

Proprietary Software

- Permission to use the software
- Purchasing software licenses

Proprietary Software

- Permission to use the software
- Purchasing software licenses
- With many legal conditions

Free Software

is

Permissionless Software

“The real world is a special case.”

–VMS Conference

Software needs vary.

–Users / Site owners

What is Freedom?

What is Freedom?

- no $$$?

What is Freedom?

- freedom to fly != fly for $0

What is Freedom?

- freedom to fly != fly for $0
- charity (eg. soup kitchen) ?

What is Freedom?

- freedom to fly != fly for $0
- soup kitchens: menu vs buffet

What is Freedom?

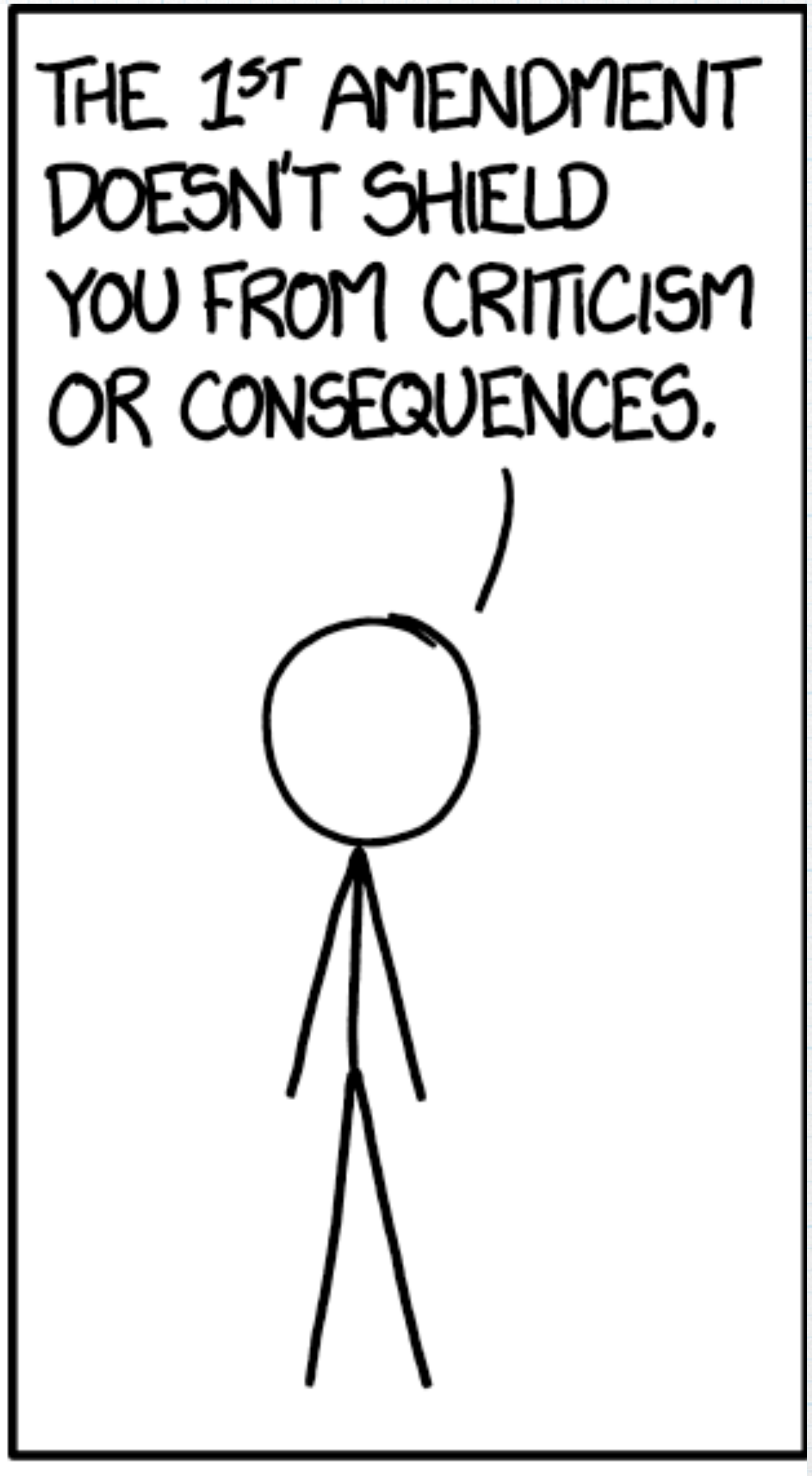
- freedom to fly != fly for $0
- soup kitchens: menu vs buffet
- free as in speech ?

What is Freedom?

- freedom to fly != fly for $0
- soup kitchens: menu vs buffet
- free as in speech ?

Free Speech

Means different things to different people.


THE 1ST AMENDMENT DOESN'T SHIELD YOU FROM CRITICISM OR CONSEQUENCES.

https://xkcd.com/1357/

“Freedom is not inconsistent with obligation.”

–Grace Llewellyn

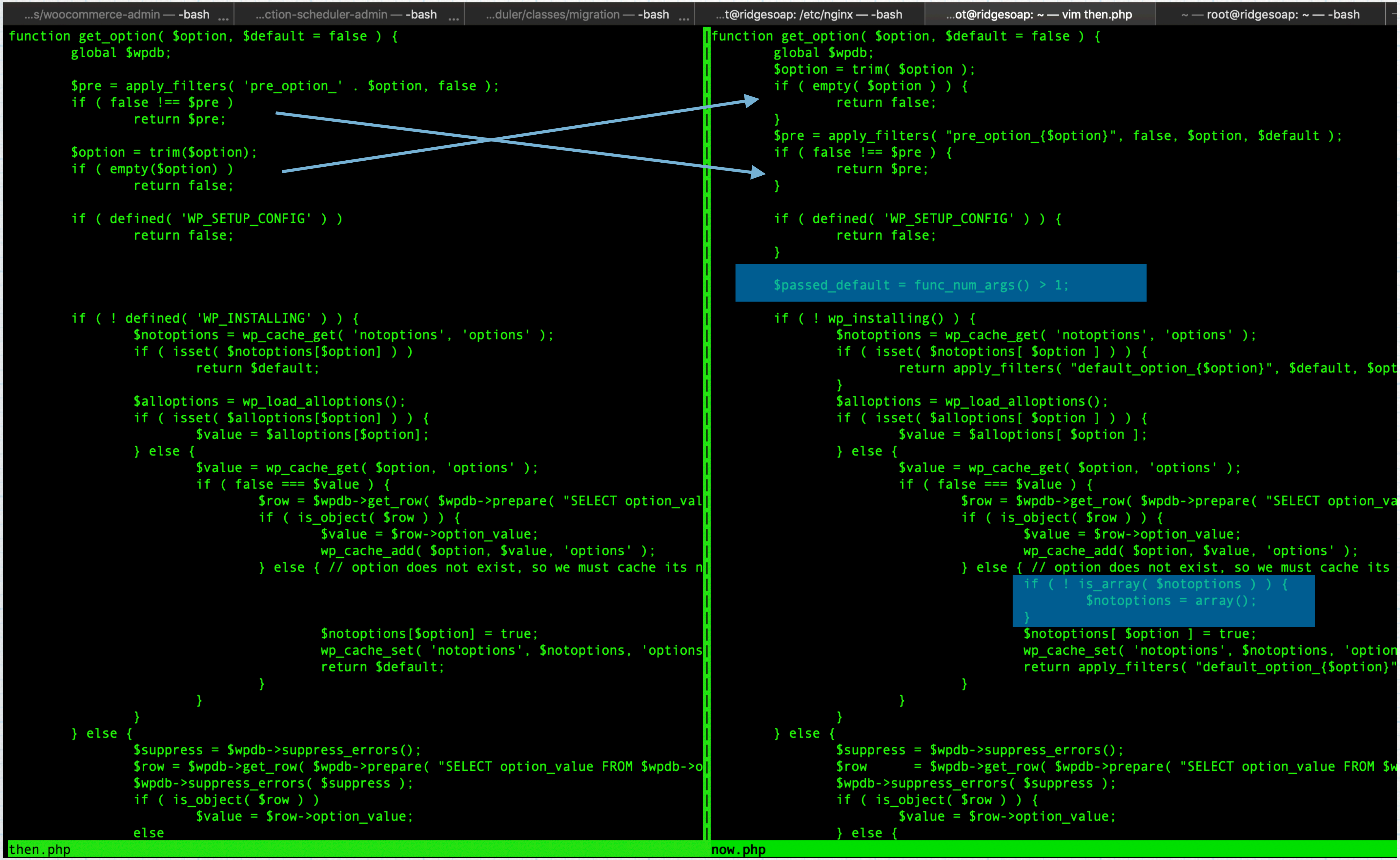
Freedom

has a relationship with responsibility.

Example: newborn -> parent

Roles

- Developers
- Site Owners
- Community


...s/woocommerce-admin — -bash
...ction-scheduler-admin — -bash
...duler/classes/migration — -bash
...t@ridgesoap: /etc/nginx — -bash
...ot@ridgesoap: ~ — vim then.php
~ — root@ridgesoap: ~ — -bash

```
function get_option( $option, $default = false ) {
        global $wpdb;

        $pre = apply_filters( 'pre_option_' . $option, false );
        if ( false !== $pre )
                return $pre;

        $option = trim($option);
        if ( empty($option) )
                return false;

        if ( defined( 'WP_SETUP_CONFIG' ) )
                return false;




        if ( ! defined( 'WP_INSTALLING' ) ) {
                $notoptions = wp_cache_get( 'notoptions', 'options' );
                if ( isset( $notoptions[$option] ) )
                        return $default;

                $alloptions = wp_load_alloptions();
                if ( isset( $alloptions[$option] ) ) {
                        $value = $alloptions[$option];
                } else {
                        $value = wp_cache_get( $option, 'options' );
                        if ( false === $value ) {
                                $row = $wpdb->get_row( $wpdb->prepare( "SELECT option_val
                                if ( is_object( $row ) ) {
                                        $value = $row->option_value;
                                        wp_cache_add( $option, $value, 'options' );
                                } else { // option does not exist, so we must cache its n



                                        $notoptions[$option] = true;
                                        wp_cache_set( 'notoptions', $notoptions, 'options
                                        return $default;
                                }
                        }
                }
        } else {
                $suppress = $wpdb->suppress_errors();
                $row = $wpdb->get_row( $wpdb->prepare( "SELECT option_value FROM $wpdb->o
                $wpdb->suppress_errors( $suppress );
                if ( is_object( $row ) )
                        $value = $row->option_value;
                else
then.php
```

```
function get_option( $option, $default = false ) {
        global $wpdb;
        $option = trim( $option );
        if ( empty( $option ) ) {
                return false;
        }
        $pre = apply_filters( "pre_option_{$option}", false, $option, $default );
        if ( false !== $pre ) {
                return $pre;
        }

        if ( defined( 'WP_SETUP_CONFIG' ) ) {
                return false;
        }

        $passed_default = func_num_args() > 1;

        if ( ! wp_installing() ) {
                $notoptions = wp_cache_get( 'notoptions', 'options' );
                if ( isset( $notoptions[ $option ] ) ) {
                        return apply_filters( "default_option_{$option}", $default, $opt
                }
                $alloptions = wp_load_alloptions();
                if ( isset( $alloptions[ $option ] ) ) {
                        $value = $alloptions[ $option ];
                } else {
                        $value = wp_cache_get( $option, 'options' );
                        if ( false === $value ) {
                                $row = $wpdb->get_row( $wpdb->prepare( "SELECT option_va
                                if ( is_object( $row ) ) {
                                        $value = $row->option_value;
                                        wp_cache_add( $option, $value, 'options' );
                                } else { // option does not exist, so we must cache its
                                        if ( ! is_array( $notoptions ) ) {
                                                $notoptions = array();
                                        }
                                        $notoptions[ $option ] = true;
                                        wp_cache_set( 'notoptions', $notoptions, 'option
                                        return apply_filters( "default_option_{$option}"
                                }
                        }
                }
        } else {
                $suppress = $wpdb->suppress_errors();
                $row      = $wpdb->get_row( $wpdb->prepare( "SELECT option_value FROM $w
                $wpdb->suppress_errors( $suppress );
                if ( is_object( $row ) ) {
                        $value = $row->option_value;
                } else {
now.php
```

get_option() then (5/2010) and now (7/2019)

Developers

- might live forever
- might continually change
- might be inspected by 1000s
- will be used by the real world

Site Owners

- Infinite possibilities (55K plugins)
- Ownership
- Permissionless

Community

- Plugins
- Themes
- Support forums
- Codex
- Blog posts, tutorials, etc.

Permissionless Software

- The key to problem solving is identifying the problem.
- The real world is a special case.
- Freedom is not inconsistent with obligation.