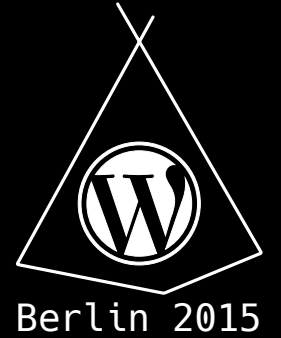




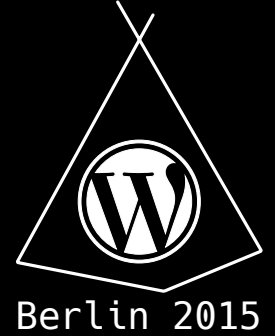
# A Brief Word on Plugin Initialization

# Who am I?



- Bernhard Kau
- Berlin, Germany
- PHP Developer
- WordPress Plugin Developer
- Organizer of the WP Meetup Berlin
- Blogger on [kau-boys.de](http://kau-boys.de)
- Twitter @2ndkauboy

# Find the issue(s)



```
class acf {
    // ...
    function __construct() {
        // set text domain
        load_textdomain( 'acf', $this->settings['path'] . 'lang/acf-' . get_locale() . '.mo' );
        // actions
        add_action( 'init', array( $this, 'init' ), 1 );
        // ...
    }
    // ...
}

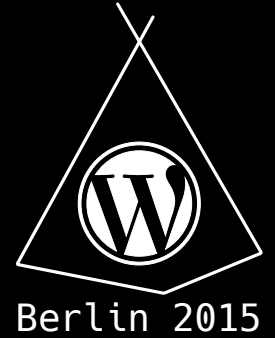
function acf() {
    global $acf;

    if ( ! isset( $acf ) ) {
        $acf = new acf();
    }

    return $acf;
}

// initialize
acf();
```

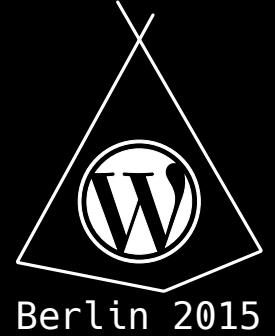
# Why is it an issue?



```
/*  
 * File: /wp-settings.php  
 */  
  
// ...  
do_action( 'muplugins_loaded' );  
// ...  
foreach ( wp_get_active_and_valid_plugins() as $plugin ) {  
    wp_register_plugin_realpath( $plugin );  
    include_once( $plugin );  
}  
unset( $plugin );  
// ...  
do_action( 'plugins_loaded' );  
// ...  
do_action( 'setup_theme' );  
// ...  
do_action( 'after_setup_theme' );  
// ...  
do_action( 'wp_loaded' );
```

```
function wp_get_active_network_plugins() {  
    // ...  
    sort( $active_plugins );  
    // ...  
}
```

# How to fix it?

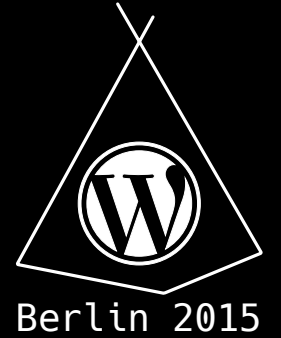


```
class acf {
    // ...
    function __construct() {
        // actions
        add_action( 'init', array( $this, 'init' ), 1 );
        add_action( 'plugins_loaded', array( $this, 'load_plugin_textdomain' ) );
        // ...
    }
    // ...

    function load_plugin_textdomain() {
        load_textdomain( 'acf', $this->settings['path'] . 'lang/acf-' . get_locale() . '.mo' );
    }
}

function acf() {
    // ...
    return $acf;
}

// initialize
acf();
```



# What's the best way to initialize a plugin?

# Hooks init only (@Rarst)



```
Prefix_Example_Plugin::on_load();
```

```
class Prefix_Example_Plugin {
```

```
    /**
```

```
     * Hooks init (nothing else) and calls things that need to run right away.
```

```
     */
```

```
    static function on_load() {
```

```
        // if needed kill switch goes here (if disable constant defined then return)
```

```
        add_action( 'init', array( __CLASS__, 'init' ) );
```

```
    }
```

```
    /**
```

```
     * Further hooks setup, loading files, etc.
```

```
     *
```

```
     * Note that for hooked methods name equals hook (when possible).
```

```
     */
```

```
    static function init( ) {
```

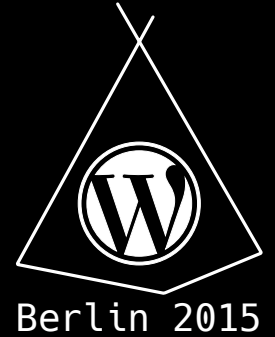
```
        // ...
```

```
    }
```

```
}
```

<http://wordpress.stackexchange.com/a/70064>

# Using a Singleton (@toscho)



```
add_action( 'plugins_loaded', array( T5_Plugin_Class_Demo::get_instance(), 'plugin_setup' ) );

class T5_Plugin_Class_Demo {

    protected static $instance = null;
    // ...

    public static function get_instance() {
        null === self::$instance and self::$instance = new self;

        return self::$instance;
    }

    public function plugin_setup() {
        // ...
        $this->load_language( 'plugin_unique_name' );
        // ...
    }

    // Constructor. Intentionally left empty and public.
    public function __construct() {}
    // ...
}
```

<https://gist.github.com/toscho/3804204>



# Questions?



Thanks and ... cleanup your code ;)