



Perfect Your Images Using WordPress



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What was **WRONG?**

GD was used **DIRECTLY**

Image manipulation ABSTRACTED

WP_Image_Editor

- CENTRALIZED WAY TO READ AN IMAGE FILE
- MANIPULATE IT
- SAVE IT
- STREAM IT

How was it **MADE**?

International COOPERATION.

Gives you the power of **CORE**

GD and **IMAGICK** Support

IMAGICK has COLOR PROFILES

The DIFFERENCE



GD

WordCamp Europe 2013



IMAGICK

The Netherlands

What's the **CATCH**?

No more **DIRECT** image
manipulation

Deprecated filters

- **IMAGE_SAVE_PRE** IS NOW **IMAGE_EDITOR_SAVE_PRE**
- **WP_SAVE_IMAGE_FILE** IS NOW
WP_SAVE_IMAGE_EDITOR_FILE
- **IMAGE_EDIT_BEFORE_CHANGE** IS NOW
WP_IMAGE_EDITOR_BEFORE_CHANGE

What's still missing?

CENTRALIZED WAY TO READ AN IMAGE ATTACHMENT FROM
THE DATABASE AND MANAGE ITS SIZES AND PROPERTIES

Maybe WP_Image...

https://github.com/markoheijnen/WP_Image

To load an attachment

NO CURRENT ALTERNATIVE TO **LOAD_IMAGE_TO_EDITOR**, SO:

```
wp_get_image_editor( _load_image_to_edit_path( $post_id ) );
```

Okay, what **CAN** we do with it?

The actions

- `resize($max_w, $max_h, $crop);`
- `multi_resize({`
 `['size'] => {'width', 'height', ['crop']}, ...`
`});`
- `crop($src_x, $src_y, $src_w, $src_h,`
 `$dst_w, $dst_h, $src_abs);`
- `rotate($angle);`
- `flip($horz, $vert);`
- `save($destfilename, $mime_type);`
- `stream($mime_type);`

SHOW ME THE CODE



quickmeme.com

A simple resize

```
// Get instance of WP_Image_Editor selected by WordPress
$editor = wp_get_image_editor( '/path/to/image.png' );

// Returns WP_Error on failure, so check.
if ( ! is_wp_error( $editor ) ) {

    // Resize the image with a center crop
    $editor->resize( 300, 300, true );

    // Uses extension for type, unless optional mime parameter is used.
    $editor->save( 'new_image.gif' );

}
```

A simple resize



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A simple resize



EXTEND to create your own
image-manip **ENGINES** or
FUNCTIONS.

TIFF: Image or not?

You can even extend **IMAGICK**
for everyone's favorite filter:

SEPIA!



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I DON'T ALWAYS RESIZE





Thanks for listening!

Any questions?

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Editor examples

- **GD:** `WP-INCLUDES/CLASS-WP-IMAGE-EDITOR-GD.PHP`
- **IMAGICK:** `WP-INCLUDES/CLASS-WP-IMAGE-EDITOR-IMAGICK.PHP`
- **GMAGICK:** `HTTP://WORDPRESS.ORG/EXTEND/PLUGINS/GMAGICK/`
- **IMPROVED GD EDITOR:**
<HTTP://WORDPRESS.ORG/PLUGINS/IMPROVED-GD-IMAGE-EDITOR/>

More Resources!

- [HTTP://MAKE.WORDPRESS.ORG/CORE/2012/12/06/WP_IMAGE_EDITOR-IS-INCOMING/](http://make.wordpress.org/core/2012/12/06/wp_image_editor-is-incoming/)
- [HTTP://MARKOHEIJNEN.COM/WORDPRESS-NEW-IMAGE-MANIPULATION/](http://markoheijnen.com/wordpress-new-image-manipulation/)
- [HTTP://XREF.WORDPRESS.ORG/TRUNK/WORDPRESS/IMAGE_EDITOR/WP_IMAGE_EDITOR.HTML](http://xref.wordpress.org/trunk.wordpress/image_editor/wp_image_editor.html)

More Resources!

- [HTTPS://GITHUB.COM/GETSOURCE/IMAGICK-SEPIA/](https://github.com/getsource/imagick-sepia/)
- [HTTPS://GITHUB.COM/HUMANMADE/WPTHUMB/](https://github.com/humanmade/wpthumb/)
- [HTTPS://GITHUB.COM/MARKOHEIJNEN/GMAGICK-EDITOR](https://github.com/markoheijnen/gmagick-editor)
- [HTTPS://GITHUB.COM/MARKOHEIJNEN/IMPROVED-IMAGE-EDITOR](https://github.com/markoheijnen/improved-image-editor)
- [HTTPS://GITHUB.COM/INTERCONNECTIT/MY-EYES-ARE-UP-HERE](https://github.com/interconnectit/my-eyes-are-up-here)