

Mehr Performance für WordPress

Walter Ebert



<http://wpmeetup-frankfurt.de/>



PageSpeed Insights g+1



Mobil



Desktop

0 / 100 Übersicht über die Vorschläge

! Behebung erforderlich:

Bilder optimieren

▸ [Fehlerbehebung anzeigen](#)

Komprimierung aktivieren

▸ [Fehlerbehebung anzeigen](#)

Browser-Caching nutzen

▸ [Fehlerbehebung anzeigen](#)

! Behebung empfohlen:

JavaScript- und CSS-Ressourcen, die das Rendering blockieren, in Inhalten "above the fold" (ohne Scrollen sichtbar) beseitigen



PageSpeed Insights



Mobile



Desktop

100 / 100 Speed**Congratulations! No issues found.**

Avoid landing page redirects

Your page has no redirects. Learn more about [avoiding landing page redirects](#).

Eliminate render-blocking JavaScript and CSS in above-the-fold content

You have no render-blocking resources. Learn more about [removing render-blocking resources](#).

Enable compression

You have compression enabled. Learn more about [enabling compression](#).

Leverage browser caching

You have enabled browser caching. Learn more about [browser caching recommendations](#).

Minify CSS

Your CSS is minified. Learn more about [minifying CSS](#).

Minify HTML

Your HTML is minified. Learn more about [minifying HTML](#).



100.00% of total pageviews

Explorer

Performance

Map Overlay

Site Usage

Technical

Avg. Page Load Time (sec) ▾

vs. [Select a metric](#)

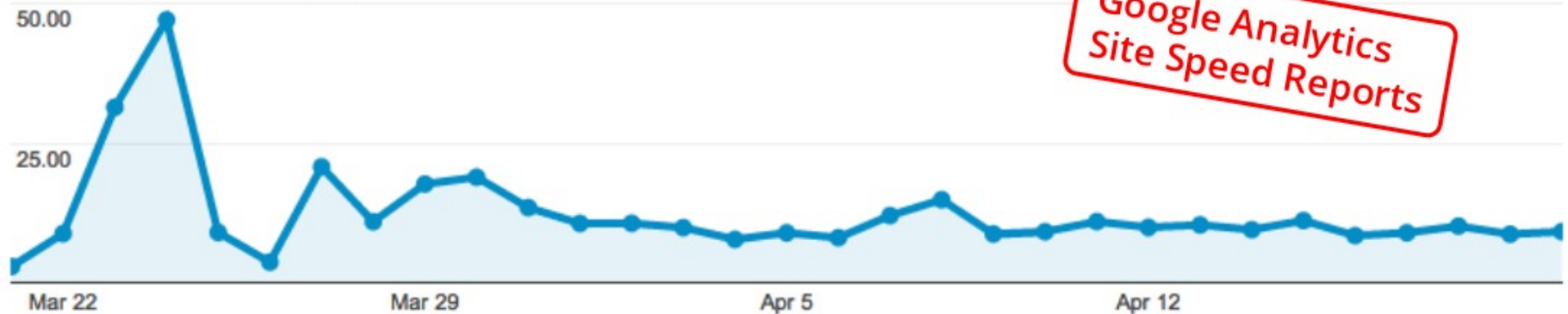
Day

Week

Month



● Avg. Page Load Time (sec)



Google Analytics
Site Speed Reports

Pageviews

59,778

% of Total:
100.00%
(59,778)

Avg. Page Load
Time (sec)

9.70

Site Avg: **9.70**
(0.00%)

Avg. Redirection
Time (sec)

0.36

Site Avg: **0.36**
(0.00%)

Avg. Domain
Lookup Time (sec)

0.18

Site Avg: **0.18**
(0.00%)

Avg. Server
Connection Time
(sec)

0.12

Site Avg: **0.12**
(0.00%)

Avg. Server
Response Time
(sec)

0.30

Site Avg: **0.30**
(0.00%)

Avg. Page
Download Time
(sec)

0.17

Site Avg: **0.17**
(0.00%)



Latest Performance Report for: <https://de.wordpress.org/>

[Download PDF](#)

Report generated: Sat, Apr 4, 2015, 8:11 AM -0700

Test Server Region: Vancouver, Canada

Using: Firefox (Desktop) 25.0.1, Page Speed 1.12.16, YSlow 3.1.8



Looks like you're running WordPress

[Have a look at our WP optimization tips »](#)

Options

- [Re-Test Page](#)
- [Compare to another URL](#)

Share This Report



I got my scores; what now?

Start optimizing your site! But before you do:

- **Understand the recommendations**
They are meant to be generic, best practices; not everything will apply to your site.
- **Rules are sorted in order of impact upon score**
Optimizing rules at the top of the list can greatly improve your overall score.

Summary

Page Speed Grade:

(97%) ↑

A

YSlow Grade:

(91%) ↑

A

Page load time: 1.60s

Total page size: 663KB

Total number of requests: 22

Breakdown

[Page Speed](#)
[YSlow](#)
[Timeline](#)
[History](#)

RECOMMENDATION

GRADE

TYPE

PRIORITY

Remove query strings from static resources

F (40)

↓

Content

High

Optimize images

C (77)

↕

Images

High

Optimize the order of styles and scripts

B (85)

↓

CSS/JS

High

Specify a cache validator

B (86)

↓

Server

High

Defer parsing of JavaScript

A (90)

↑

JS

High

Specify image dimensions

A (90)

↑

Images

High

Leverage browser caching

A (93)

↑

Server

High

Minify CSS

A (96)

↑

CSS

High

Minify HTML

A (98)

↕

Content

High

Pingdom Website Speed Test

Enter a URL to test the load time of that page, analyze it and find bottlenecks

http://wpmeetups.de/

Test Now

Settings ▼



http://wpmeetups.de/
Tested from on April 4 at 16:23:07

Perf. grade 81 ₁₀₀	Requests 97	Load time 1.48s	Page size 1.9MB
---	-----------------------	---------------------------	---------------------------

Your website is **faster than 81%** of all tested websites

[DOWNLOAD HAR](#)
[Tweet](#)
[Post to Timeline](#)
[Email](#)

Waterfall

Performance Grade

Page Analysis

History

Web Page Performance Test for

wpmeetup-frankfurt.de/

From: Falkenstein, Germany - Chrome - Cable
4/4/2015, 2:34:27 PM

[Need help improving?](#)

A	F	F	B	F	X
First Byte Time	Keep-alive Enabled	Compress Transfer	Compress Images	Cache static content	Effective use of CDN

[Summary](#) [Details](#) [Performance Review](#) [Content Breakdown](#) [Domains](#) [Screen Shot](#)

Tester: OWNEROR-C62UVK9-88.198.118.27

[Re-run the test](#)

[Raw page data](#) - [Raw object data](#)

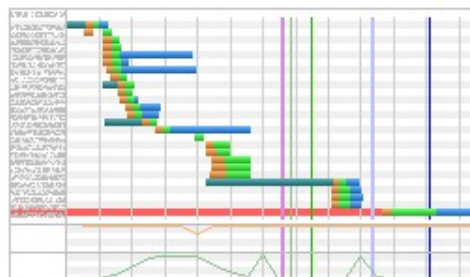
[Export HTTP Archive \(.har\)](#)

[See in ShowSlow](#)

[View Test Log](#)

	Load Time	First Byte	Start Render	<u>Speed Index</u>	DOM Elements	Document Complete			Fully Loaded			
						Time	Requests	Bytes In	Time	Requests	Bytes In	Cost
First View	2.214s	0.194s	1.494s	1514	516	2.214s	26	459 KB	2.488s	26	467 KB	\$----
Repeat View	0.458s	0.770s	0.589s	589	516	0.458s	1	0 KB	0.945s	1	7 KB	

Waterfall

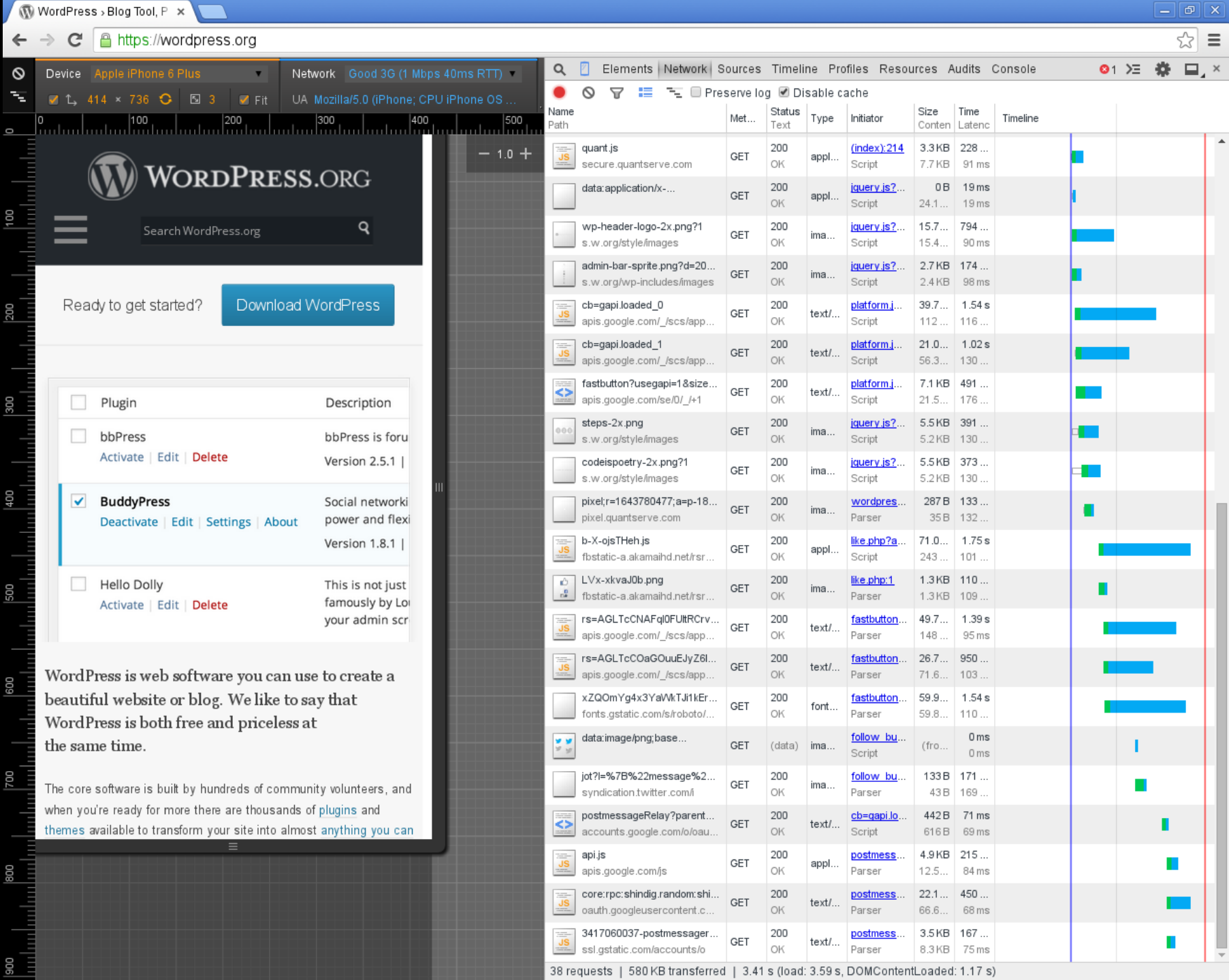


First View
(2.214s)

Screen Shot



WP MEETUP FRANKFURT



Profiler in Eigenbau

```
function meins_profiler() {  
    $profiler = sprintf(  
        '%d queries in %.3f seconds using %.2fMB memory',  
        get_num_queries(),  
        timer_stop( 0, 3 ),  
        memory_get_peak_usage() / 1024 / 1024  
    );  
    echo '<!-- ' . $profiler . ' -->';  
}  
  
add_action( 'shutdown', 'meins_profiler' );
```

Page generation time	Perf
0.6211	13
0.3% of 180s limit	5.0

PHP Notices (1)

- Queries
- Queries by Caller
- Queries by Component
- Request
- Template: index.php
- Scripts & Styles
- Hooks
- HTTP Requests
- Transients Set
- Environment
- Debug Bar: Console
- Debug Bar: Cron
- Debug Bar: Profiler
- Debug Bar: Variable Lookup
- Debug Bar: Log Viewer
- is_front_page()
- is_home()
- is_main_network()

Database query time	Dat
0.0381	SEL

\$wpdb Queries

	Query
	All
1	SELECT * FROM ms_blogs WHERE domain = 'wptests.localhost' AND path IN ('/wpo/', '/') ORDER BY CHAR_LENGTH(path) DESC LIMIT 1
2	SELECT meta_key, meta_value FROM ms_sitemeta WHERE meta_key IN ('site_name', 'siteurl', eout_theme_roots', '_site_transient_theme_r global_terms_enabled', 'ms_files_rewriting' AND site_id = 1
3	SELECT option_name, option_value FROM ms_4_options WHERE autoload = 'yes'
4	SELECT option_value FROM ms_4_options WHERE option_name = 'uninstall_plugins' LIMIT 1
5	SELECT option_value FROM ms_4_options WHERE option_name = 'debugbarextender_settings' LIMIT 1
6	SELECT option_value FROM ms_4_options WHERE option_name = 'limit_login_client_type' LIMIT 1
7	SELECT option_value FROM ms_4_options WHERE option_name = 'limit_login_allowed_retries'

	Caller	Component
	All	All
	get_site_by_path()	Core
	wp_load_core_site_options()	Core
	'_site_transient_tim compress_scripts', '	
	wp_load_alloptions() +	Core
	get_option() +	Core
	get_option() +	Plugin: debug-
	get_option() +	Plugin: limit-
	get_option() +	Plugin: limit-

a700 PHP MySQL Memory Usage
#4 5.6.7 5.5.5 11,820,040 bytes

Notices / Warnings

Queries

WP Query

Request

Object Cache

Console

Cron

Profiler

Variable Lookup

Log Viewer

TOTAL QUERIES: 68
TOTAL QUERY TIME: 39.8 ms

SELECT option_value FROM ms_4_options WHERE option_name = 'limit_login_client_type' LIMIT 1

require('wp-blog-header.php'), require_once('wp-load.php'), require_once('wp-config.php'), require_once('wp-settings.php'), do_action('plugins_loaded'), call_user_func_array, limit_login_setup, limit_login_setup_options, limit_login_get_option, get_option #1 (0.6ms)

SELECT option_value FROM ms_4_options WHERE option_name = 'limit_login_allowed_retries' LIMIT 1

require('wp-blog-header.php'), require_once('wp-load.php'), require_once('wp-config.php'), require_once('wp-settings.php'), do_action('plugins_loaded'), call_user_func_array, limit_login_setup, limit_login_setup_options, limit_login_get_option, get_option #2 (0.3ms)

SELECT option_value FROM ms_4_options WHERE option_name = 'limit_login_lockout_duration' LIMIT 1

require('wp-blog-header.php'), require_once('wp-load.php'), require_once('wp-config.php'), require_once('wp-settings.php'), do_action('plugins_loaded'), call_user_func_array, limit_login_setup, limit_login_setup_options, limit_login_get_option, get_option #3 (0.3ms)

SELECT option_value FROM ms_4_options WHERE option_name = 'limit_login_valid_duration' LIMIT 1

require('wp-blog-header.php'), require_once('wp-load.php'), require_once('wp-config.php'), require_once('wp-settings.php'), do_action('plugins_loaded'), call_user_func_array, limit_login_setup, limit_login_setup_options, limit_login_get_option, get_option #4 (0.3ms)

SELECT option_value FROM ms_4_options WHERE option_name = 'limit_login_cookies' LIMIT 1

require('wp-blog-header.php'), require_once('wp-load.php'), require_once('wp-config.php'), require_once('wp-settings.php'), do_action('plugins_loaded'), call_user_func_array, limit_login_setup, limit_login_setup_options, limit_login_get_option, get_option #5 (0.3ms)

SELECT option_value FROM ms_4_options WHERE option_name = 'limit_login_lockout_notify' LIMIT 1

Performance-Budget

Zum Beispiel

- Antwortzeit < 0,4 S.
- Start Browserrendering < 1,0 S.
- Vollständig geladen < 3,0 S.
- Gesamter Seitenumfang < 0,5 MB

<http://timkadlec.com/2014/11/performance-budget-metrics/>

<http://timkadlec.com/2014/05/performance-budgeting-with-grunt/>

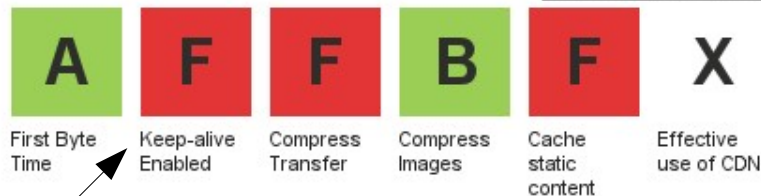
<http://cognition.happycog.com/article/designing-with-a-performance-budget>

Web Page Performance Test for

wpmeetup-frankfurt.de/

From: Falkenstein, Germany - Chrome - Cable
4/4/2015, 2:34:27 PM

[Need help improving?](#)



Summary

Tester: OWNER OF C201MK9-88 198.118.27

[Re-run the test](#)

```
<IfModule mod_headers.c>
Header set Connection Keep-Alive
</IfModule>
```

[Raw page data](#) - [Raw object data](#)

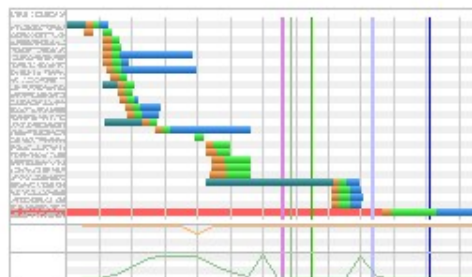
[Export HTTP Archive \(.har\)](#)

[See in ShowSlow](#)

[View Test Log](#)

	Load Time	First Byte	Start Render	Speed Index	DOM Elements	Document Complete			Fully Loaded			
						Time	Requests	Bytes In	Time	Requests	Bytes In	Cost
First View	2.214s	0.194s	1.494s	1514	516	2.214s	26	459 KB	2.488s	26	467 KB	\$----
Repeat View	0.458s	0.770s	0.589s	589	516	0.458s	1	0 KB	0.945s	1	7 KB	

Waterfall



Screen Shot



First View
(2.214s)

Web Page Performance Test for

wpmeetup-frankfurt.de/

From: Falkenstein, Germany - **Chrome** - **Cable**
4/4/2015, 2:34:27 PM

[Need help improving?](#)

A	F	F	B	F	X
First Byte Time	Keep-alive Enabled	Compress Transfer	Compress Images	Cache static content	Effective use of CDN

[Summary](#) [Details](#) [Performance Review](#) [Content Breakdown](#) [Domains](#) [Screen Shot](#)

Tested: C:\WINDOWS\system32\cmd.exe - 192.168.1.100 - 118.1.1.1
Return the test

[Raw page data](#) - [Raw object data](#)

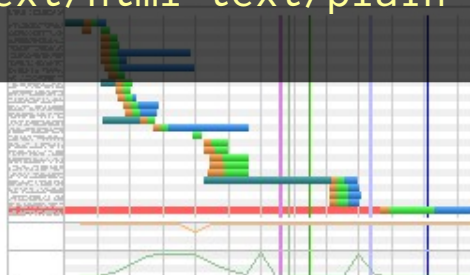
[Export HTTP Archive \(.har\)](#)

[See in ShowSlow](#)

[View Test Log](#)

```
<IfModule mod_deflate.c>
AddOutputFilterByType DEFLATE application/atom+xml \
application/javascript application/json application/ld+json \
application/rss+xml application/vnd.ms-fontobject \
application/x-font-ttf application/x-web-app-manifest+json \
application/xhtml+xml application/xml font/opentype \
image/svg+xml image/x-icon \
text/css text/html text/plain text/vtt text/x-component text/xml
</IfModule>
```

First View
(2.214s)



29. WP Meetup Frankfurt - Mehr Performance für WordPress

WP MEETUP FRANKFURT



.htaccess

<IfModule mod_expires.c>

ExpiresActive on

ExpiresDefault

ExpiresByType text/css

ExpiresByType application/json

ExpiresByType application/ld+json

ExpiresByType application/xml

ExpiresByType text/xml

ExpiresByType image/x-icon

ExpiresByType text/x-component

ExpiresByType text/html

ExpiresByType application/javascript

ExpiresByType application/x-web-app-manifest+json

ExpiresByType text/cache-manifest

ExpiresByType audio/ogg

ExpiresByType image/gif

ExpiresByType image/jpeg

ExpiresByType image/png

ExpiresByType video/mp4

ExpiresByType video/ogg

ExpiresByType video/webm

ExpiresByType application/atom+xml

ExpiresByType application/rss+xml

ExpiresByType application/font-woff

ExpiresByType application/vnd.ms-fontobject

ExpiresByType application/x-font-ttf

ExpiresByType font/opentype

ExpiresByType image/svg+xml

</IfModule>

HOME TEST RESULT TEST HISTORY FORUMS DOCUMENTATION ABOUT

Web Page Performance Test for

wpm

From: Falkenstein, Germany - Chrome - Cable

4/4/2015, 2:34:27 PM

Summary Details Performance Review Content Breakdown Domains

Tester: WPMEETUP-FRANKFURT-38148-11-2

Re-run the test

Load Time First Byte Start Render Speed Index DOM Elements

First View 0.214s 0.041s 1.494s 1514 516

First View 0.214s 0.041s 1.494s 1514 516

First View 0.214s 0.041s 1.494s 1514 516

First View 0.214s 0.041s 1.494s 1514 516

First View 0.214s 0.041s 1.494s 1514 516

First View 0.214s 0.041s 1.494s 1514 516

First View 0.214s 0.041s 1.494s 1514 516

First View 0.214s 0.041s 1.494s 1514 516

First View 0.214s 0.041s 1.494s 1514 516

First View 0.214s 0.041s 1.494s 1514 516

First View 0.214s 0.041s 1.494s 1514 516

First View 0.214s 0.041s 1.494s 1514 516

First View 0.214s 0.041s 1.494s 1514 516

First View 0.214s 0.041s 1.494s 1514 516

First View 0.214s 0.041s 1.494s 1514 516

First View 0.214s 0.041s 1.494s 1514 516

First View 0.214s 0.041s 1.494s 1514 516

First View 0.214s 0.041s 1.494s 1514 516

First View 0.214s 0.041s 1.494s 1514 516

First View 0.214s 0.041s 1.494s 1514 516

First View 0.214s 0.041s 1.494s 1514 516

First View 0.214s 0.041s 1.494s 1514 516

"access plus 1 week"

"access plus 1 year"

"access plus 0 seconds"

"access plus 0 seconds"

"access plus 0 seconds"

"access plus 0 seconds"

"access plus 1 week"

"access plus 1 month"

"access plus 0 seconds"

"access plus 1 year"

"access plus 0 seconds"

"access plus 0 seconds"

"access plus 1 month"

"access plus 1 month"

"access plus 1 month"

"access plus 1 month"

"access plus 1 month"

"access plus 1 month"

"access plus 1 month"

"access plus 1 hour"

"access plus 1 hour"

"access plus 1 month"

"access plus 1 month"

"access plus 1 month"

"access plus 1 month"

"access plus 1 month"

"access plus 1 month"

Need help improving?

Compress
ImagesCache
static
contentEffective
use of CDN

Raw page data - Raw object data

Export HTTP Archive (.har)

See in ShowSlow

View Test Log

Fully Loaded

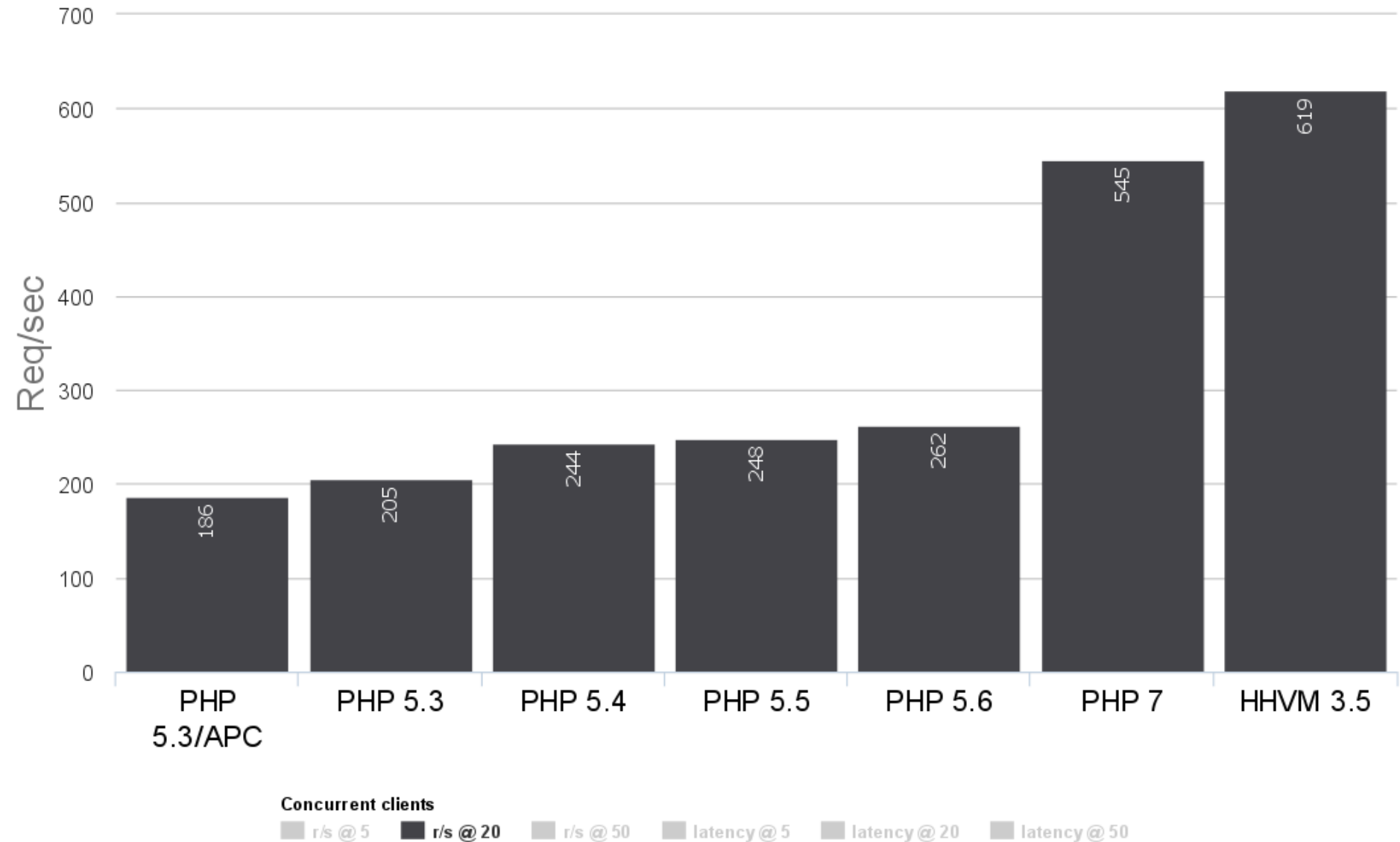
Time	Requests	Bytes In	Time	Requests	Bytes In	Cost
0.214s	26	467 KB	1.488s	1	7 KB	\$----

Screen Shot



Wordpress-4.1

<http://wordpress/?p=1>



Datenbank

MyISAM → InnoDB

```
ALTER TABLE `wp_options` ENGINE = InnoDB;
```

/etc/my.cnf

[mysqld]

query_cache_size = 0

query_cache_type = 0

innodb_buffer_pool_size = 512M

Caching-Plugins

	Startseite	Post	Page
Ohne	598	419	466
W3 Total Cache	23	1	1
WP Supercache	15	1	1
Cachify	737	1	1

Median Antwortzeiten (ms)

Fullpage file caching , Linux, Apache 2.4.6, PHP 5.6.7, MariaDB 15.1

ab -n 100 -c 3 http://localhost/

ab -n 100 -c 3 http://localhost/template-sticky/

ab -n 100 -c 3 http://localhost/sample-page/

Plugin Directory

Username

Password

[Log in](#)[\(forgot?\) or Register](#)

Developer Center

Search Plugins

[Search](#)

Popular Tags [More »](#)

[widget \(4,916\)](#)[Post \(3,078\)](#)[plugin \(3,022\)](#)[admin \(2,529\)](#)[posts \(2,346\)](#)[sidebar \(1,892\)](#)[google \(1,729\)](#)[twitter \(1,680\)](#)[shortcode \(1,678\)](#)[images \(1,676\)](#)

The Magical Page Cache Helper

Cache Buddy

Minimizes the situations in which logged-in users appear logged-in to WordPress, which increases the cacheability of your site.

[Download Version 0.2.0](#)[Description](#)[Installation](#)[FAQ](#)[Other Notes](#)[Changelog](#)[Stats](#)[Support](#)[Reviews](#)[Developers](#)

Minimizes the situations in which logged-in users appear logged-in to WordPress, which increases the cacheability of your site.

Requires: 4.1 or higher**Compatible up to:** 4.2**Last Updated:** 2015-3-25**Active Installs:** 80+**Tags:** cache, caching, faster, performance, speed[Ratings](#)<https://wordpress.org/plugins/cache-buddy/><http://de.slideshare.net/markjaquith/cache-money-business>

We have tested over 2500 Free WP Themes and 25.000 Free WP Plugins for Speed.

The tests were executed for the blogs' Home page and the sample Post page for both Desktop and Mobile platforms.

Please download our Free "Themes Speed Test" plugin for Wordpress and check themes PageSpeed scores [×](#) directly from your Wordpress admin area.

[Download FREE Themes Speed Test Plugin for Wordpress](#)



17



714



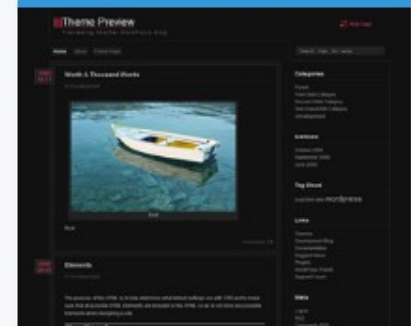
24

Like this Idea? Please donate...

[Donate](#)

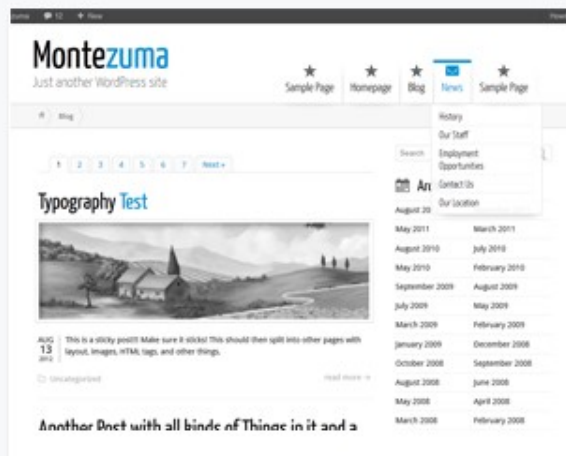


Random Tests



Top Scorers - Overall (Mobile+Desktop)

[More Theme Tests](#)



zDark

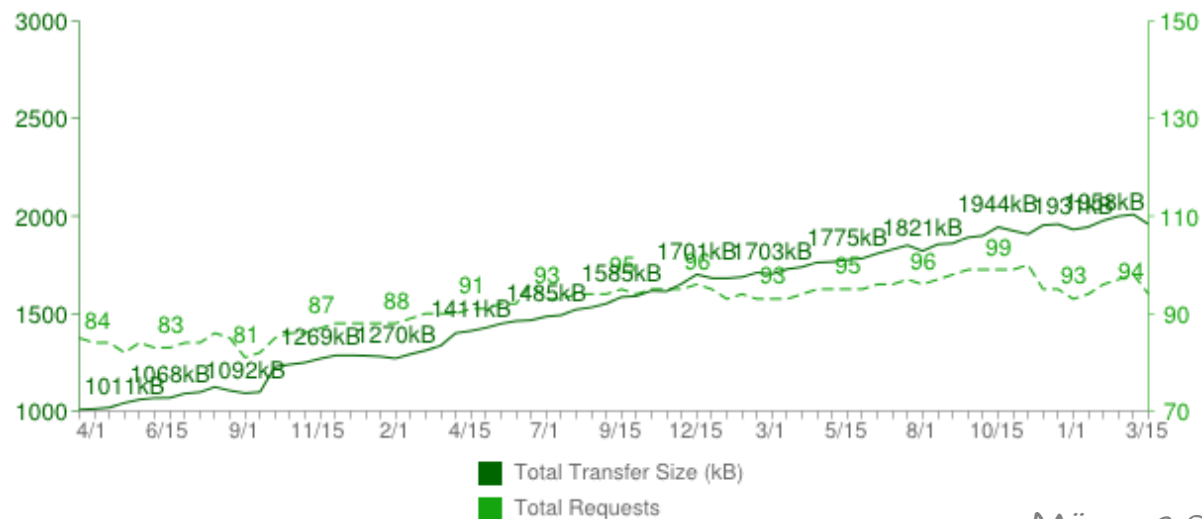
by: zwwooooo

Home page/Desktop: 96

Post page/Desktop: 95

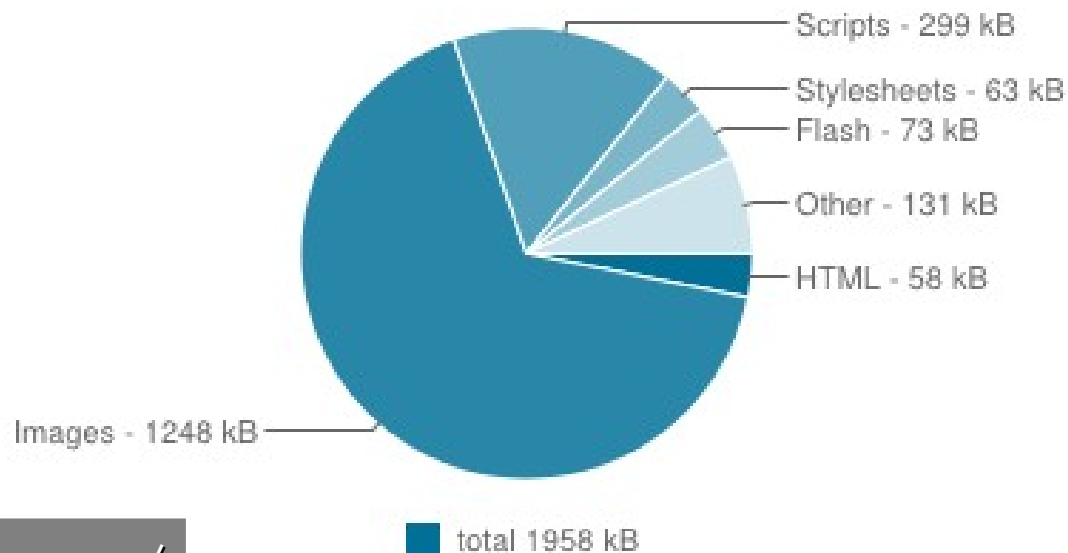
Home page/Mobile: 90

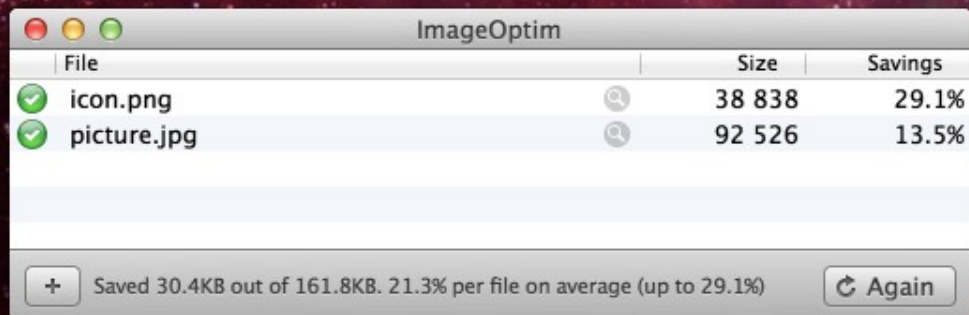
Total Transfer Size & Total Requests



März 2012 1,0 MB
März 2015 2,0 MB

Average Bytes per Page by Content Type





File	Size	Savings
icon.png	38 838	29.1%
picture.jpg	92 526	13.5%

+ Saved 30.4KB out of 161.8KB. 21.3% per file on average (up to 29.1%) [Again](#)

ImageOptim is a free app that **makes images take up less disk space and load faster**, without sacrificing quality. It optimizes compression parameters, removes junk metadata and unnecessary [color profiles](#).

ImageOptim seamlessly integrates the best optimization tools: [PNGOUT](#), [Zopfli](#), [Pngcrush](#), [AdvPNG](#), extended [OptiPNG](#), [JpegOptim](#), [jpegrescan](#), [jpegtran](#), and [Gifsicle](#).

It's excellent for publishing images on the Web (easily shrinks images "Saved for Web" in Photoshop) and also useful for making Mac and [iPhone/iPad](#) applications smaller (if you [configure Xcode](#)).

How to use it

Simply drag'n'drop images or folders into the window! They'll be optimized in-place.

You can also drop files on ImageOptim's Dock icon, or use [Services](#) menu in Finder, or launch it from a [shell script](#).

More about PNG

My article "[PNG that works](#)" explains why ImageOptim removes gamma information and how to get [even smaller PNG](#) files with transparency that works in ancient versions of IE.

Open Source

[Download](#)

Version 1.5.4
Mac OS X 10.7+

Not using Mac? Check
out [Trimage](#)

↓ **Leopard (10.5)**
version

🕒 [Changelog](#)

📋 [Report bugs](#)

📋 [Source code](#)

📋 [Donate](#)

Available in:

English, French,
German, Spanish,
Portuguese, Italian,
Dutch, Norwegian.

<https://imageoptim.com/>
<https://github.com/JamieMason/ImageOptim-CLI>



Trimage image compressor – 1.0.5

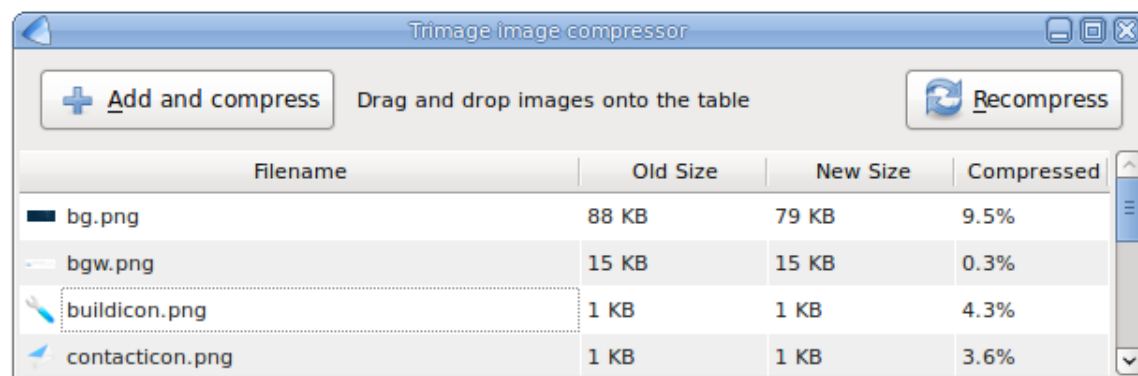
A cross-platform tool for losslessly optimizing PNG and JPG files.

Trimage is a cross-platform GUI and command-line interface to optimize image files for websites, using [optipng](#), [pngcrush](#), [advpng](#) and [jpegoptim](#), depending on the filetype (currently, PNG

and JPG files are supported). It was inspired by [imageoptim](#). All image files are losslessly compressed on the highest available compression levels, and EXIF and other metadata

is removed. Trimage gives you various input functions to fit your own workflow: A regular file dialog, dragging and dropping and various command line options.

Trimage in action



Download

Repositories

<http://trimage.org/>

Your Photos on a Diet

Reduce image size by up to 80%, without compromising quality

TRY IT NOW ↓



Photo By: [Zach Dischner](#), Photo Resolution: 5184x3456 | [Download](#)

UPLOAD PHOTO

JPEGmini 2872KB

Original 18720KB

THIS PHOTO
REDUCED BY

6.5x

Need help?



Plugin Directory

Username

Password

Log in

(forgot?) or Register

Developer Center

Search Plugins

Search

Popular Tags [More »](#)

widget (4,916)

Post (3,078)

plugin (3,022)

admin (2,529)

posts (2,346)

sidebar (1,892)

google (1,729)

twitter (1,680)

shortcode (1,678)

images (1,676)

comments (1,612)

EWWW Image Optimizer



Reduce file sizes for images in WordPress including NextGEN, GRAND FlAGallery and more using lossless/lossy methods and image format conversion.

Download Version 2.2.2

Description

Installation

FAQ

Screenshots

Other Notes

Changelog

Stats

Support

Reviews

Developers

The EWWW Image Optimizer is a WordPress plugin that will automatically optimize your images as you upload them to your blog. It can optimize the images that you have already uploaded, convert your images automatically to the file format that will produce the smallest image size (make sure you read the WARNINGS), and optionally apply lossy

Requires: 3.5 or higher

Compatible up to: 4.1.1

Last Updated: 2015-1-10

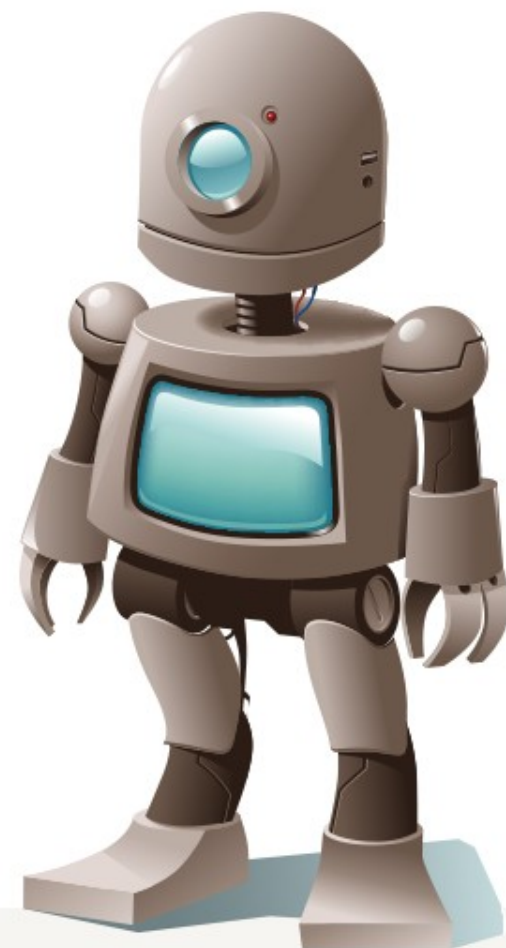
Active Installs: 100,000+

Optimus

Verlustfreie Komprimierung
der Bilder in WordPress.

Automatisch. Datenschutzkonform.

Ideal für Redaktionen, Fotografen, Blogger.



“

Beschleunigung der Webseiten ist extrem wichtig.
Schnellere Websites sorgen für zufriedene Nutzer.
PageSpeed wird zum Ranking-Signal.

“

Plugin Directory

Username

Password

Log in

(forgot?) or Register

Developer Center

Search Plugins

Search

Popular Tags [More »](#)

[widget \(4,916\)](#)

[Post \(3,078\)](#)

[plugin \(3,022\)](#)

[admin \(2,529\)](#)

[posts \(2,346\)](#)

[sidebar \(1,892\)](#)

[google \(1,729\)](#)

[twitter \(1,680\)](#)

[shortcode \(1,678\)](#)

[images \(1,676\)](#)

[comments \(1,612\)](#)



Imsanity

Imsanity automatically resizes huge image uploads. Are contributors uploading huge photos? Tired of manually scaling? Imsanity to the rescue!

Download Version 2.3.5

Description

[Installation](#)

[FAQ](#)

[Screenshots](#)

[Changelog](#)

[Stats](#)

[Support](#)

[Reviews](#)

[Developers](#)

Imsanity automatically resizes huge image uploads down to a size that is more reasonable for display in browser, yet still more than large enough for typical website use. The plugin is configurable with a max width, height and quality. When a contributor uploads an image that is larger than the configured size, Imsanity will automatically scale the image down to the configured size. If the image is smaller than the configured size, Imsanity will not touch the image.

Requires: 2.9 or higher

Compatible up to: 4.1.1

Last Updated: 2015-2-28

Active Installs: 80,000+

Plugin Directory

Username Password ([forgot?](#)) or [Register](#)

[Developer Center](#)

Search Plugins

Popular Tags [More »](#)

[widget \(4,916\)](#)

[Post \(3,078\)](#)

[plugin \(3,022\)](#)

[admin \(2,529\)](#)

[posts \(2,346\)](#)

[sidebar \(1,892\)](#)

[google \(1,729\)](#)

[twitter \(1,680\)](#)

[shortcode \(1,678\)](#)

[images \(1,676\)](#)

[comments \(1,612\)](#)



RICG Responsive Images

Bringing automatic default responsive images to WordPress.

[Description](#) [Installation](#) [Changelog](#) [Stats](#) [Support](#) [Reviews](#) [Developers](#)

[Download Version 2.1.1](#)

If you'd like to contribute to this plugin, please do so on [Github](#)

Basically, responsive images allow the browser to choose the best image from a list. This plugin works by including all available image sizes for each image upload. Whenever WordPress outputs the image through the media uploader, or whenever a featured image is generated, those sizes will be included in the image tag via the `srcset` attribute.

Requires: 4.1 or higher

Compatible up to: 4.1.1

Last Updated: 2015-2-25

Active Installs: 800+

Ratings



Plugin Directory

Username Password (forgot?) or Register

Developer Center

Search Plugins

Popular Tags [More »](#)

[widget \(4,916\)](#)

[Post \(3,078\)](#)

[plugin \(3,022\)](#)

[admin \(2,529\)](#)

[posts \(2,346\)](#)

[sidebar \(1,892\)](#)

[google \(1,729\)](#)

[twitter \(1,680\)](#)

[shortcode \(1,678\)](#)

[images \(1,676\)](#)

[comments \(1,612\)](#)

BJ Lazy Load

Lazy loading makes your site load faster and saves bandwidth. Uses jQuery and degrades gracefully for non-js users. Works with both images and iframes

Download Version 0.7.5

[Description](#) [Installation](#) [FAQ](#) [Other Notes](#) [Changelog](#) [Stats](#) [Support](#) [Reviews](#) [Developers](#)

Lazy loading makes your site load faster and saves bandwidth.

This plugin replaces all your post images, post thumbnails, gravatar images and content iframes with a placeholder and loads the content as it gets close to enter the browser

Requires: 3.5 or higher
Compatible up to: 4.0.1
Last Updated: 2014-10-14
Active Installs: 20,000+

Child-Themes

style.css

```
/*  
Theme Name:      Meins  
Template:        twentyfifteen  
*/  
@import url( "../twentyfifteen/style.css" );
```

functions.php

```
function meins_wp_enqueue_scripts() {  
    wp_enqueue_style('parent', get_template_directory_uri() . '/style.css');  
    wp_enqueue_style(  
        'child',  
        get_stylesheet_directory_uri() . '/style.css',  
        array( 'parent' )  
    );  
}  
add_action( 'wp_enqueue_scripts', 'meins_wp_enqueue_scripts' );
```

https://codex.wordpress.org/Child_Themes

<http://www.stevesouders.com/blog/2009/04/09/dont-use-import/>

Konditionelles Laden

```
function meins_enqueue_scripts() {  
    if ( is_front_page() ) {  
        wp_enqueue_style( 'homepage', get_stylesheet_uri() . '/home.css );  
        wp_enqueue_script( 'masonry' );  
    }  
}  
add_action( 'wp_enqueue_scripts', 'meins_enqueue_scripts' );
```

Oder andere Conditional Tags:
`is_home()`, `is_page()`, `is_single()`,
`is_archive()`, usw.

Hooks entfernen

```
function meins_remove_scripts() {  
    if ( ! is_page_template( 'events.php' ) ) {  
        remove_action(  
            'wp_enqueue_scripts',  
            array(  
                'EM_Scripts_and_Styles',  
                'public_enqueue'  
            )  
        );  
    }  
}  
add_action( 'wp_enqueue_scripts', 'meins_remove_scripts', 9 );
```

-14 HTTP Requests
-220 KB
-2 MySQL Queries

Javascript + CSS

- Dateien minifizieren
- Dateien kombinieren

Plugins

- Autoptimize
- W3 Total Cache

Javascript + CSS

JS-Bibliotheken

<http://microjs.com/>

CSS-Frameworks

Pure 17 KB vs. Bootstrap 115 KB

Responsive Design + Server Side Components (RESS)

```
if ( wp_is_mobile() ) {  
    // z.B. keine Werbung  
} else {  
    // Kohle schäffeln  
}
```

Nicht in Kombination mit Fullpage-Caching nutzen

<http://www.lukew.com/ff/entry.asp?1392>

https://codex.wordpress.org/Function_Reference/wp_is_mobile

Caching-Funktionen

```
wp_cache_set( 'meine_daten', $data );  
$daten = wp_cache_get( 'meine_daten' );
```

```
set_transient( 'meine_daten', $data );  
$daten = get_transient( 'meine_daten' );
```

Cron

```
function meins_update_function() {  
    $data = wp_remote_get( 'http://example.com/data.json' );  
    if ( $data ) set_transient( 'meine_daten', $data['body'] );  
}  
  
add_action( 'meins_update_hook', 'meins_update_function' );  
  
function meins_cronjobs() {  
    if ( ! wp_next_scheduled( 'meins_update_hook' ) ) {  
        wp_schedule_event( time(), 'hourly', 'meins_update_hook' );  
    }  
}  
  
add_action( 'wp', 'meins_cronjobs');
```

Critical Rendering Path

Critical Rendering Path
a.k.a.
Above the Fold Content

Critical Rendering Path

a.k.a.

Above the Fold Content

a.k.a.

100/100 Punkte

Javascript im Footer laden

```
function meins_scripts() {  
    wp_enqueue_script(  
        'script-name',  
        get_template_directory_uri() . '/js/beispiel.js',  
        array(),  
        '1.0.0',  
        true  
    );  
}  
add_action( 'wp_enqueue_scripts', 'meins_scripts' );
```

jQuery im Footer laden

```
function meins_wp_enqueue_scripts()
{
    if ( ! is_user_logged_in() ) {
        wp_dequeue_script( 'jquery-core' );
        wp_enqueue_script(
            'jquery-core',
            includes_url( '/js/jquery/jquery.js' ),
            array(),
            '',
            true
        );
    }
}

add_action( 'wp_enqueue_scripts', 'meins_wp_enqueue_scripts' );
```

Javascript asynchron laden

```
function meins_async_scripts() {  
    ?>  
    <script  
        src="<?php echo get_template_directory_uri(); ?>/js/beispiel.js"  
        async  
        defer></script>  
    <?php  
    }  
    add_action( 'wp_head', 'meins_async_scripts' );
```

Nur für Skripte die keine Abhängigkeiten haben

Critical CSS

```
function meins_critical_css() {  
    echo '<style>' .  
        file_get_contents( __DIR__ . DIRECTORY_SEPARATOR . 'critical.css' ) .  
        '</style>';  
}  
add_action( 'wp_head', 'meins_critical_css' );  
  
function meins_full_css() {  
    echo '<link  
        rel="stylesheet"  
        type="text/css"  
        href="' . get_stylesheet_directory_uri() . '/style.css">';  
}  
add_action( 'wp_footer', 'meins_full_css', 1 );
```



pocketjoso / penthouse

Watch

30

★ Star

829

Fork

31

Critical Path CSS Generator

91 commits

1 branch

7 releases

2 contributors



branch: master

penthouse / +



Merge pull request #51 from pocketjoso/handle-moz-document-at-trule ...



pocketjoso authored on Mar 1

latest commit 85db46f1d7

bin	Options parser completed	2 months ago
lib	handle @-moz-document	a month ago
test	Merge pull request #51 from pocketjoso/handle-moz-document-at-trule	a month ago
.jshinttrc	Options parser completed	2 months ago
.travis.yml	Add Travis build test	2 months ago
AUTHORS	Added AUTHORS file and a changelog section	10 months ago
LICENSE-MIT	Added AUTHORS file and a changelog section	10 months ago
README.md	minor readme updates	2 months ago
make.js	Updated README standalone usage	2 months ago
package.json	handle @-moz-document	a month ago
penthouse.js	Merge branch 'master' into 0.3.0	2 months ago

<> Code

Issues

0

Pull requests

0

Pulse

Graphs

HTTPS clone URL

https://github.com



You can clone with HTTPS or Subversion.

Download ZIP

Critical Path CSS Generator

Speed up your page render time in no time! [What is this?](#)

Fork me on GitHub

1. URL TO WEB PAGE TO CREATE CRITICAL CSS FOR

3. Create Critical Path CSS

2. FULL CSS TO EXTRACT CRITICAL CSS FROM. CAN BE MINIFIED.

Select All Clear

/*Insert your CSS here*/

24 characters

Plugin Directory

Username Password [Log in](#) ([forgot?](#)) or [Register](#)

Developer Center

Search Plugins

Popular Tags [More »](#)

[widget \(4,916\)](#)
[Post \(3,078\)](#)
[plugin \(3,022\)](#)
[admin \(2,529\)](#)
[posts \(2,346\)](#)
[sidebar \(1,892\)](#)
[google \(1,729\)](#)
[twitter \(1,680\)](#)
[shortcode \(1,678\)](#)
[images \(1,676\)](#)
[comments \(1,612\)](#)

Async JS and CSS

Converts render-blocking CSS and JS files into NON-render-blocking, improving performance of web page.

[Download Version 1.7.13](#)
[Description](#) [Installation](#) [FAQ](#) [Screenshots](#) [Other Notes](#) [Changelog](#) [Stats](#) [Support](#) [Reviews](#) [Developers](#)

When your page is loaded by browser - all that stuff placed in HEAD tag is loaded before the page content - in blocking way. So the content is delivered to user in the last moment, after all javascript and css files are loaded.

If you are a webmaster or just want to make your web to make better your positions on search engines (yes, they preffer faster webs), just take a look on Google PageSpeed Insights - you'll see that one of the mos important things is fastenes and one of the reason why your page is not so fast - is "Render-blocking JavaScript and CSS".

This plugin makes ALL scripts loaded by other plugins to be loaded in asynchronous way just like Google PageSpeed Insights recommends. All CSS files will be inserted inline into the document code or moved from the document beginning to the end, just before closing BODY tag (or just where you placed wp_foot() function). There are various methods to do that - they are all in plugin's configuration page.

Requires: 2.6 or higher

Compatible up to: 3.7.1

Last Updated: 2013-11-18

Active Installs: 9,000+

Ratings



4.2 out of 5 stars

5 stars  18

4 stars  3

3 stars  1

2 stars  1

1 stars  3

Author

Grunt

- `grunt-contrib-uglify`
- `grunt-contrib-cssmin`
- `grunt-penthouse`
- `grunt-criticalcss`
- `grunt-contrib-imagemin`
- `grunt-imageoptim`
- `grunt-perfbudget`
- `grunt-uncss`

Make the Web Faster 8+1 429

Overview

PageSpeed

Analysis

Optimization

Service

Module

Get Started

Filter

Documentation

Optimization SDK

Public DNS

Hosted Libraries

Protocols & Standards

Best Practices

Community

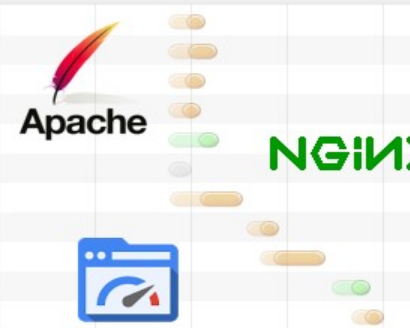
PageSpeed Module

PageSpeed speeds up your site and reduces page load time. This open-source webserver module automatically applies [web performance best practices](#) to pages and associated assets (CSS, JavaScript, images) without requiring that you modify your existing content or workflow.

Features

- Automatic website and asset optimization
- Latest web optimization techniques
- 40+ configurable optimization filters
- Free, open-source, and frequently updated
- Deployed by individual sites, hosting providers, CDNs

Script	Status	Type	Initiator	Size	Time
isapi.21	200	text/javascript	isapi.21	0B	61ms
isapi.21	200	application/x-javascript	isapi.21	0B	213ms
format+en.def...	200	text/css	format+en.def...	0B	90ms
isapi.21	200	text/javascript	isapi.21	0B	59ms
isapi.21	200	application/x-javascript	isapi.21	0B	112ms
/speed/49	200	text/javascript	/speed/49	0B	164ms
/speed/63	200	text/javascript	/speed/63	0B	25ms
/speed/319	200	text/javascript	/speed/319	0B	244ms
jquery.min.js:18	200	text/javascript	jquery.min.js:18	0B	199ms
isapi.21	200	text/javascript	isapi.21	0B	131ms



Get Started

- [Download and install](#)
- [Review documentation](#)
- [Frequently asked questions](#)
- Discuss PageSpeed for [Apache](#) and [Nginx](#)
- Subscribe to PageSpeed announcements for [Apache](#) and [Nginx](#)

Learn about PageSpeed



Users & Partners

- 350,000+ optimized web sites
- Hosting providers and CDN's, including:

[edgecast](#)

[DreamHost](#)

[Go Daddy](#)
[SiteGround](#)

<https://developers.google.com/speed/pagespeed/module>

http://kau-boys.de/1925/wordpress/meine-session-beim-wp-camp-berlin-2013-performance-optimierung-mit-mod_pagespeed

http://www.wpmayor.com/can-mod_pagespeed-improve-page-load-speed/

How does Pagespeed speed up web-sites?

SPDY / HTTP 2.0

Best Practices

- Viele kleine Dateien
- Eine Domain

Worst Practices

- JS kombinieren
- CSS kombinieren
- CSS-Sprites
- Iconfonts



CODING

[CSS](#)
[HTML](#)
[JavaScript](#)
[Techniques](#)

DESIGN

[Web Design](#)
[Typography](#)
[Inspiration](#)
[Business](#)

MOBILE

[iPhone & iPad](#)
[Android](#)
[Design Patterns](#)

GRAPHICS

[Photoshop](#)
[Fireworks](#)
[Wallpapers](#)
[Freebies](#)

UX DESIGN

[Usability](#)
[User Experience](#)
[UI Design](#)
[E-Commerce](#)

Improving Smashing Magazine's Performance: A Case Study

By [Vitaly Friedman](#)

September 8th, 2014

CSS, Performance, Responsive Web Design

93 Comments

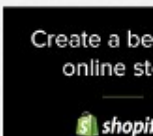
*Today Smashing Magazine turns eight years old. Eight years is a long time on the web, yet for us it really doesn't feel like a long journey at all. Things have changed, evolved and moved on, and we gratefully take on new challenges one at a time. To mark this special little day, we'd love to share a few things that we've learned over the last year about the **performance challenges** of this very website and about the work we've done recently. If you want to craft a fast responsive website, you might find a few interesting nuggets worth considering. – Ed.*

Improvement is a matter of steady, ongoing iteration. When we redesigned Smashing Magazine back in 2012, our main goal was to establish trustworthy branding that would reflect the ambitious editorial direction of the magazine. We did that primarily by focusing on crafting a delightful reading experience. Over the years, our focus hasn't changed a bit; however, that very asset that helped to establish our branding turned into a major **performance bottleneck**.

Good Old-Fashioned Website Decay

Looking back at the early days of our redesign, some of our decisions seem to be quick'n'dirty fixes rather than sound long-term solutions. Our advertising constraints pushed us to compromises. Legacy browsers drove us to dependencies on (relatively) heavy JavaScript libraries. Our technical infrastructure led us to heavily customized WordPress plugins and complex PHP logic. With every new feature added, our technical debt grew, and our style sheets, markup and JavaScript weren't getting any leaner.

Sound familiar? Admittedly, responsive web design as a technique often gets a **pretty bad rap** for bloating websites and making them difficult to maintain. (Not that non responsive websites are any better, it's another story.) In practice, all assets on a responsive website **will show up pretty much everywhere**; be it a slow smartphone, a quirky tablet or a fancy laptop with a Retina



Walter Ebert

@wltrd

walterebert.de

slideshare.net/walterebert