

Joomla Site Speed Optimization



@hans2103

Hans Kuijpers





Speed matters!

click to continue

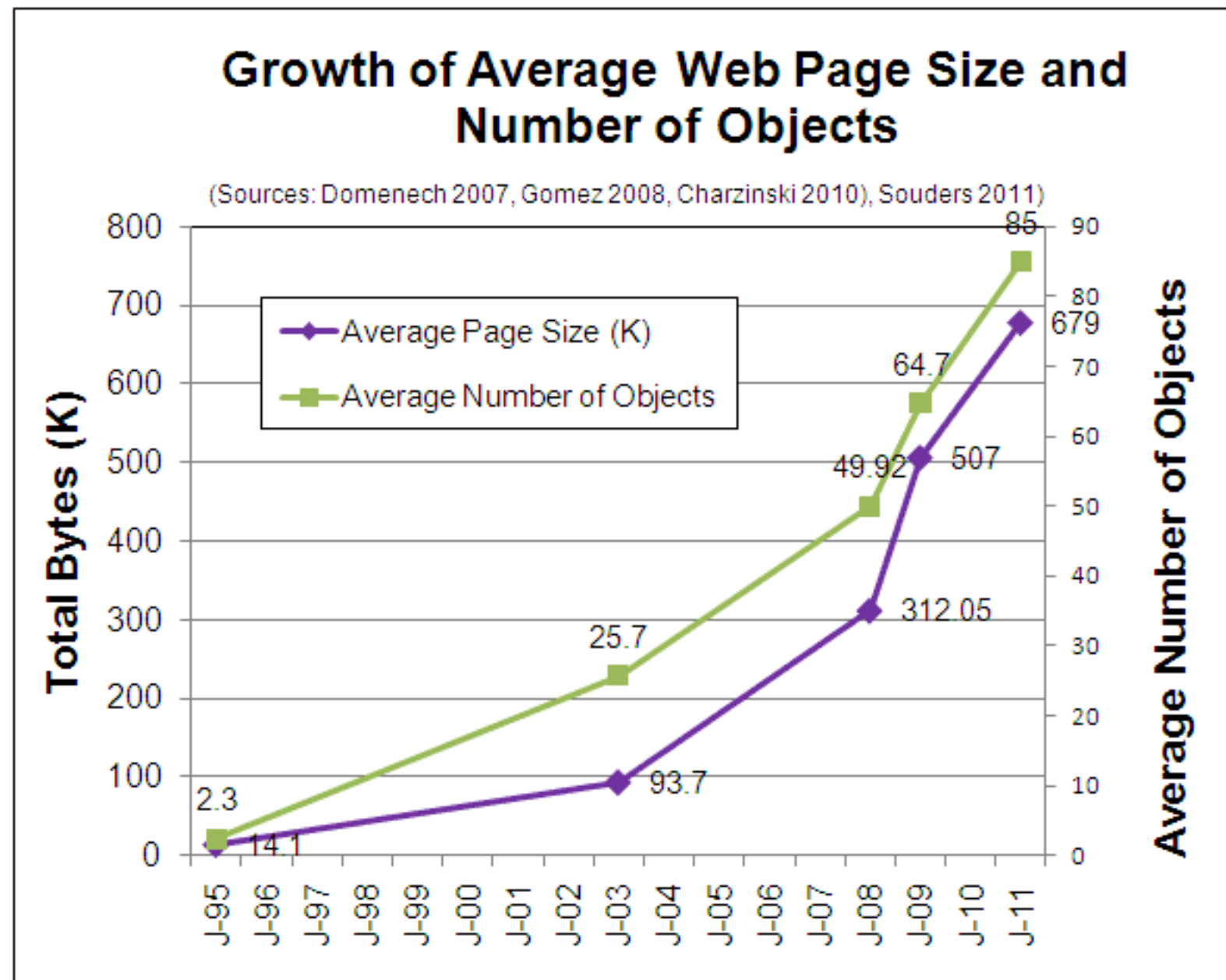


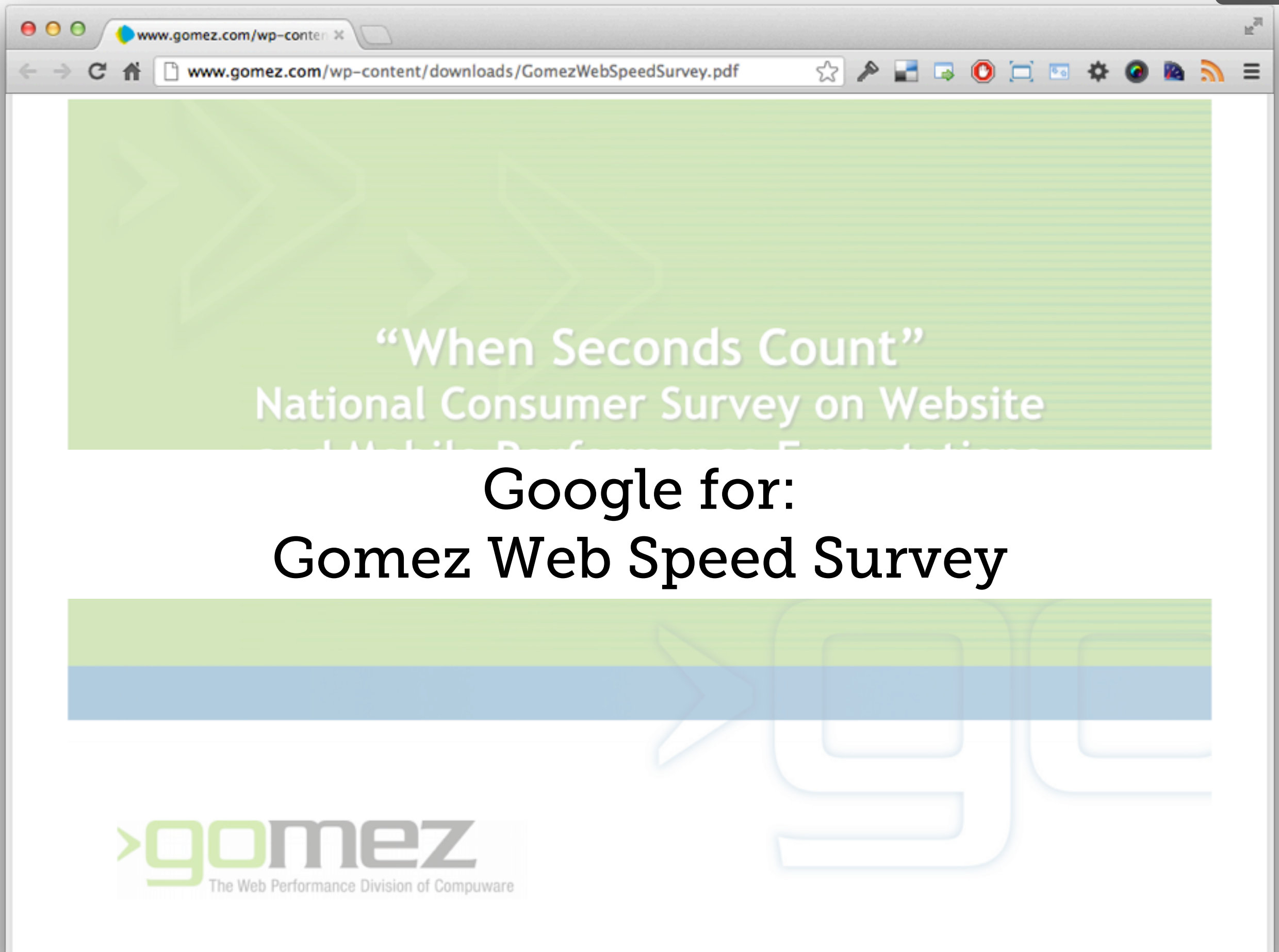
+500 ms → -20% traffic
@ Google

+100 ms → -1% sales
@ Amazon



Websites are bigger





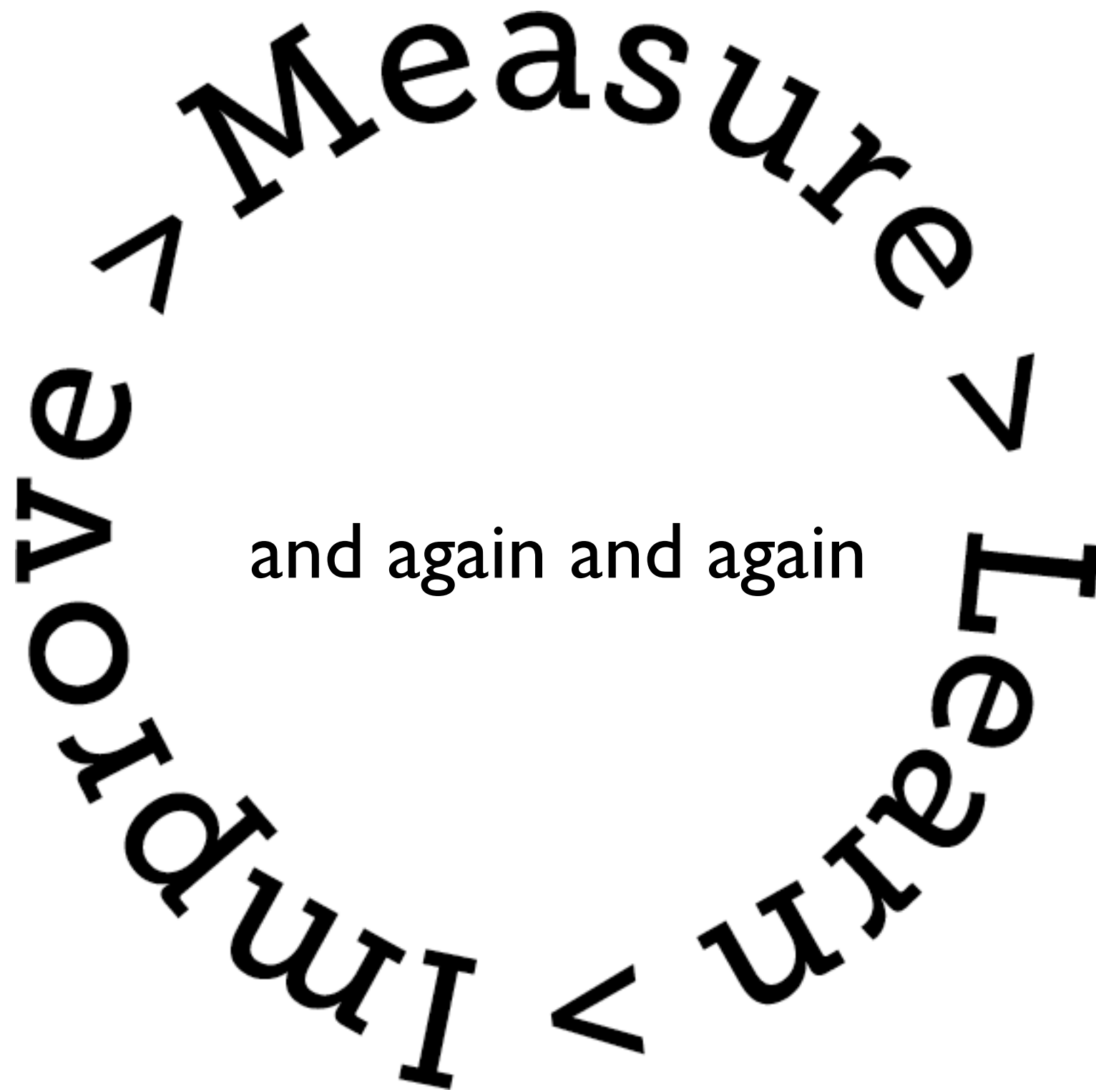
Now what?

- Measure
- Learn
- Optimize
- Iterate



Measure
Learn
Improve









The screenshot shows a web browser window with two tabs: 'Home' and 'MSnippets.net - Administrati...'. The address bar shows 'msnippets.net'. The page has a navigation bar with 'HOME', 'SAMPLE SITES', and 'JOOMLA.ORG'. Below this is a large blue banner with the Joomla! logo and the text 'Open Source Content Management'. A green diagonal banner on the right says 'We are volunteers!'. Below the banner, there is a breadcrumb trail 'You are here: Home'. The main content area is divided into three columns. The left column has a section 'About Joomla!' with links: 'Getting Started', 'Using Joomla!', 'The Joomla! Project', and 'The Joomla! Community'. Below this is a section 'This Site' with links: 'Home', 'Site Map', 'Login', and 'Sample Sites'. The middle column has a section 'Joomla!' with a welcome message and a paragraph about Joomla's flexibility. Below this are three sections: 'Beginners', 'Upgraders', and 'Professionals', each with introductory text. The right column has a section 'Professionals' with text about Joomla! 2.5 development.

Font size [Bigger](#) | [Reset](#) | [Smaller](#) |

HOME | [SAMPLE SITES](#) | [JOOMLA.ORG](#)

 **Joomla!**
Open Source Content Management

We are volunteers!

You are here: Home

About Joomla!

- ▀ [Getting Started](#)
- ▀ [Using Joomla!](#)
- ▀ [The Joomla! Project](#)
- ▀ [The Joomla! Community](#)

This Site

- ▀ [Home](#)
- ▀ [Site Map](#)
- ▀ [Login](#)
- ▀ [Sample Sites](#)

Joomla!

Congratulations! You have a Joomla site! Joomla makes it easy to build a website just the way you want it and keep it simple to update and maintain.

Joomla is a flexible and powerful platform, whether you are building a small site for yourself or a huge site with hundreds of thousands of visitors. Joomla is open source, which means you can make it work just the way you want it to.

Beginners

If this is your first Joomla! site or your first web site, you have come to the right place. Joomla will help you get your website up and running quickly and easily.

Start off using your site by logging

Upgraders

If you are an experienced Joomla! 1.5 user, this Joomla site will seem very familiar. There are new templates and improved user interfaces, but most functionality is the same. The biggest changes are improved access control (ACL) and

Professionals

Joomla! 2.5 continues development of the Joomla Framework and CMS as a powerful and flexible way to bring your vision of the web to reality. With the administrator now fully MVC, the ability to control its look and



Font size [Bigger](#) [Reset](#) [Smaller](#) Search...

[HOME](#) [SAMPLE SITES](#) [JOOMLA.ORG](#)

 **Joomla!**
Open Source Content Management

We are volunteers!

Default Joomla 2.5.x installation with sample data

- ▀ Using Joomla!
- ▀ The Joomla! Project
- ▀ The Joomla! Community

This Site

- ▀ **Home**
- ▀ Site Map
- ▀ Login
- ▀ Sample Sites

Beginners

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tools.pingdom.com/fpt/

pingdom TOOLS

Full Page Test DNS Health Ping and Traceroute

Test the Load Time of a Web Page

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

www.example.com **Test Now**

Settings ▼

feedback

Recent tests

URL	Tested
http://www.mosmi.ch	5s ago
http://www.deadlove.se/se/medverkande/	11s ago
http://www.manface.co.uk/	12s ago
http://iranians.be	12s ago
http://verragio.com/curl.php	22s ago
http://musica-flamenkito.blogspot.com/	26s ago
http://www.1stabarbara.com/	30s ago
http://www.manface.co.uk/	40s ago

The screenshot shows the Pingdom Tools website in a browser window. The browser's address bar displays `tools.pingdom.com/fpt/`. The website's header includes the Pingdom logo and navigation links for 'Full Page Test', 'DNS Health', and 'Ping and Traceroute'. The main content area features a large heading 'Test the Load Time of a Web Page' with the subtitle 'Enter a URL to test the load time of that page, analyze it and find bottlenecks'. Below this is a text input field containing 'www.example.com' and a 'Test Now' button. A 'Recent tests' section is visible at the bottom, displaying a table of previous test results.

Test the Load Time of a Web Page

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

`www.example.com` **Test Now**

Recent tests

URL	Tested
http://www.mosmi.ch	5s ago
http://www.deadlove.se/se/medverkande/	11s ago
http://www.manface.co.uk/	12s ago
http://iranians.be	12s ago
http://verragio.com/curl.php	22s ago
http://musica-flamenkito.blogspot.com/	26s ago
http://www.1stabarbara.com/	30s ago
http://www.manface.co.uk/	40s ago

<http://tools.pingdom.com/fpt/>





Pingdom Tools

tools.pingdom.com/fpt/#!/Fdw11Z3mL/http://msnippets.net



http://msnippets.net
Tested from New York City, New York, USA on November 11 at 02:25:44

Perf. grade 75 /100	Requests 27	Load time 2.15s	Page size 509.3kB
-------------------------------	-----------------------	---------------------------	-----------------------------

DOWNLOAD HAR

Your website is faster than 66% of all tested websites

[Tweet](#) [Email](#)

Waterfall Performance Grade Page Analysis History

feedback

Requests done to load this page

Sort by load order

Filter:

File/path	Size	0.0s	0.4s	0.8s	1.2s	1.6s	2.0s	
 http://msnippets.net/	4.3 kB							
 system.css msnippets.net/templates/system/css/	1.1 kB							
 position.css msnippets.net/templates/beeze_20/css/	6.0 kB							
 layout.css msnippets.net/templates/beeze_20/css/	29.7 kB							
 print.css msnippets.net/templates/beeze_20/css/	5.3 kB							
 general.css msnippets.net/templates/beeze_20/css/	4.3 kB							
 personal.css msnippets.net/templates/beeze_20/css/	20.8 kB							







Best Practices for Speeding Up Your Web Site

The Exceptional Performance team has identified a number of best practices for making web pages fast. The list includes 35 best practices divided into 7 categories.

Filter by category: [Content](#) [Server](#) [Cookie](#) [CSS](#) [JavaScript](#) [Images](#) [Mobile](#) [All](#)

Minimize HTTP Requests

tag: content

80% of the end-user response time is spent on the front-end. Most of this time is tied up in downloading all the components in the page: images, stylesheets, scripts, Flash, etc. Reducing the number of components in turn reduces the number of HTTP requests required to render the page. This is the key to faster pages.

One way to reduce the number of components in the page is to simplify the page's design. But is there a way to build pages with richer content while also achieving fast response times? Here are some techniques for reducing the number of HTTP requests, while still supporting rich page designs.

Combined files are a way to reduce the number of HTTP requests by combining all scripts into a single script, and similarly combining all CSS into a single stylesheet. Combining files is more challenging when the scripts and stylesheets vary from page to page, but making this part of your release process improves response times.

CSS Sprites are the preferred method for reducing the number of image requests. Combine your background images into a single image and use the CSS `background-image` and `background-position` properties to display the desired image segment.

Image maps combine multiple images into a single image. The overall size is about the same, but reducing the number of HTTP requests speeds up the page. Image maps only work if the images are contiguous in the page, such as a navigation bar. Defining the coordinates of image maps can be tedious and error prone. Using image maps for navigation is not accessible too, so it's not recommended.

Inline images use the `data:` URL scheme to embed the image data in the actual page. This can increase the

Recent Blog Articles

[More](#)

Yahoo! Groups Discussions

[Webinar on Real User Measurement](#)
Wed, 07 Nov 2012

[Re: YSlow ajax support for page load time?](#)
Sat, 03 Nov 2012

[YSlow ajax support for page load time?](#)
Sat, 03 Nov 2012

[smush.it - No files were uploaded](#)
Thu, 27 Sep 2012

[Everything I try to smush just stays in the smushing state?](#)
Thu, 27 Sep 2012

[More](#)

The screenshot shows a web browser window with the URL `developer.yahoo.com/performance/rules.html`. The page title is "Best Practices for Speeding Up Your Web Site", which is highlighted with an orange box. Below the title, a paragraph states: "The Exceptional Performance team has identified a number of best practices for making web pages fast. The list includes 35 best practices divided into 7 categories." A filter bar allows selection by category: Content, Server, Cookie, CSS, JavaScript, Images, Mobile, and All. The main content area is titled "Minimize HTTP Requests" and includes the text: "reducing the number of HTTP requests, while still supporting rich page designs." It then discusses "Combined files", "CSS Sprites", "Image maps", and "Inline images". On the right side, there are sections for "Recent Blog Articles" and "Yahoo! Groups Discussions".

Best Practices for Speeding Up Your Web Site

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YSlow
YSlow analyzes web pages and why they're slow based on Yahoo!'s rules for high performance web sites

[Source](#) [Wiki](#) [FAQ](#) [Help](#) [En Español](#)

[Install YSlow for Chrome](#)

Feature highlights

- Grades web page based on one of three predefined ruleset or a user-defined ruleset;
- It offers suggestions for improving the page's performance;
- Summarizes the page's components;
- Displays statistics about the page;
- Provides tools for performance analysis, including Smush.it™ and JSLint.

Availability

Firefox	Chrome
Mobile/Bookmarklet	Opera
Safari	Command Line (HAR)
PhantomJS	Node.js Server
Source Code	

» [View YSlow Ruleset Limitations](#) across several browsers/platforms.

YSlow
stoyanstefanov Belated slides "YSlow hacking" from @sfwebperf. 'Twas mostly a demo though slideshare.net/stoyan/yslow-h...
18 days ago · reply · retweet · favorite

marcelduran damn! Apparently there's a guy whose 1st name = Ys and last name = Low who owns FB page /yslow, so @YSlow will keep facebook.com/getyslow
23 days ago · reply · retweet · favorite

marcelduran I'm speaking next week at #highload in Moscow 2012.highload.co about Proactive #WPO with @YSlow
23 days ago · reply · retweet · favorite

yslow How to get A in YSlow: a case study by a Persian RTL website powered by IIS codeproject.com/Tips/457877/ho... #webperf
58 days ago · reply · retweet · favorite

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YSlow op Facebook
Vind ik leuk 1,390

YSlow

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[Source](#) [Wiki](#) [FAQ](#) [Help](#) [En Español](#)

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Availability

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- Chrome
- Opera
- Command Line (HAR)
- Node.js Server
- Mobile/Bookmarklet
- Safari
- PhantomJS
- Source Code

» View YSlow Ruleset Limitations across several browsers/platforms.

YSlow

stoyanstefanov Belated slides "YSlow hacking" from @sfwebperf. 'Twas mostly a demo though slideshare.net/stoyan/yslow-h...

18 days ago · reply · retweet · favorite

marcelduan damn! Apparently there's a guy whose 1st name = Ys and last name = Low who owns FB page /yslow, so @YSlow will keep facebook.com/getyslow

23 days ago · reply · retweet · favorite

marcelduan I'm speaking next week at #highload in Moscow 2012.highload.co about Proactive #WPO with @YSlow

» days ago · reply · retweet · favorite

[Join the conversation](#)

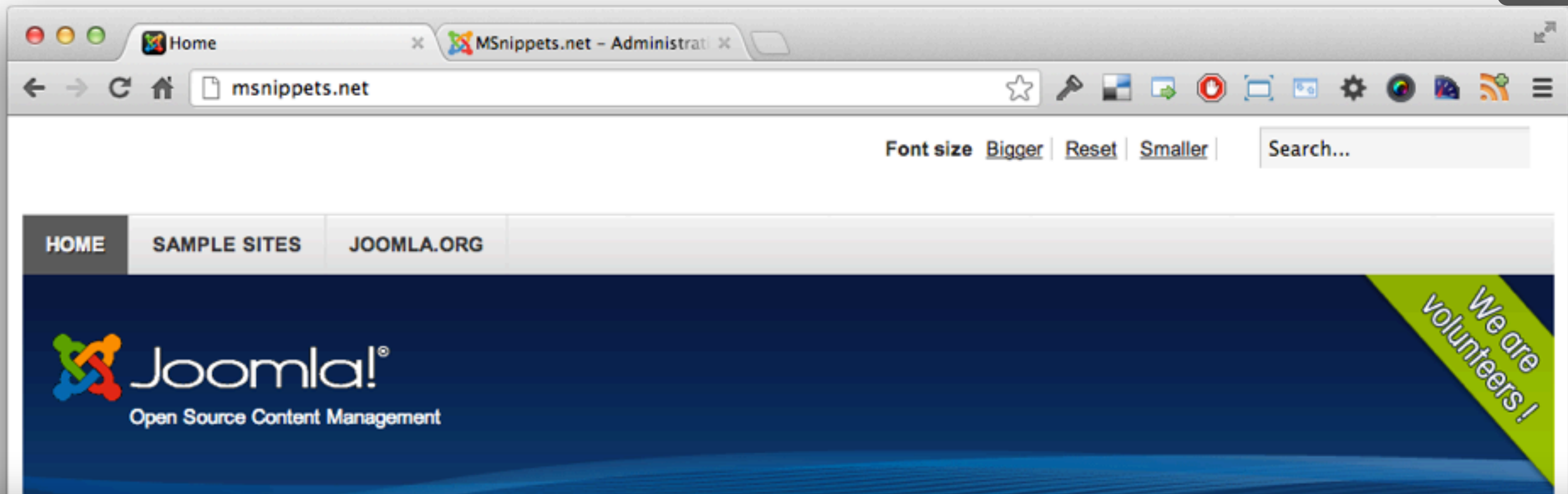
YSlow op Facebook

Vind ik leuk 1,390

http://yslow.org







chrome-extension://ninejjcohidippngpapiilnmkgllmakh/yslow.html#2538

Home **Grade** Components Statistics

Grade C Overall performance score 71 Ruleset applied: YSlow(V2) URL: http://msnippets.net/

ALL (23) FILTER BY: [CONTENT \(6\)](#) | [COOKIE \(2\)](#) | [CSS \(6\)](#) | [IMAGES \(2\)](#) | [JAVASCRIPT \(4\)](#) | [SERVER \(6\)](#)

E	Make fewer HTTP requests
F	Use a Content Delivery Network (CDN)
A	Avoid empty src or href
F	Add Expires headers
F	Compress components with gzip
A	Put CSS at top
C	Put JavaScript at bottom
A	Avoid CSS expressions
n/a	Make JavaScript and CSS external
A	Reduce DNS lookups
B	Minify JavaScript and CSS

Grade E on Make fewer HTTP requests

This page has 6 external Javascript scripts. Try combining them into one.
 This page has 7 external stylesheets. Try combining them into one.
 This page has 10 external background images. Try combining them with CSS sprites.

Decreasing the number of components on a page reduces the number of HTTP requests required to render the page, number of components include: combine files, combine multiple scripts into one script, combine multiple CSS files in

[»Read More](#)

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PageSpeed Insights Rules - P X

https://developers.google.com/speed/docs/insights/rules

Google Developers

PageSpeed Insights X Search

hans2103@gmail.com Sign out

Home Products Events Showcase Live Groups

PageSpeed Insights +1 83

Overview

PageSpeed

Analysis

Insights

Insights Extensions

Insights API

Rules

Avoid Bad Requests

Avoid CSS @import

Avoid CSS Expressions

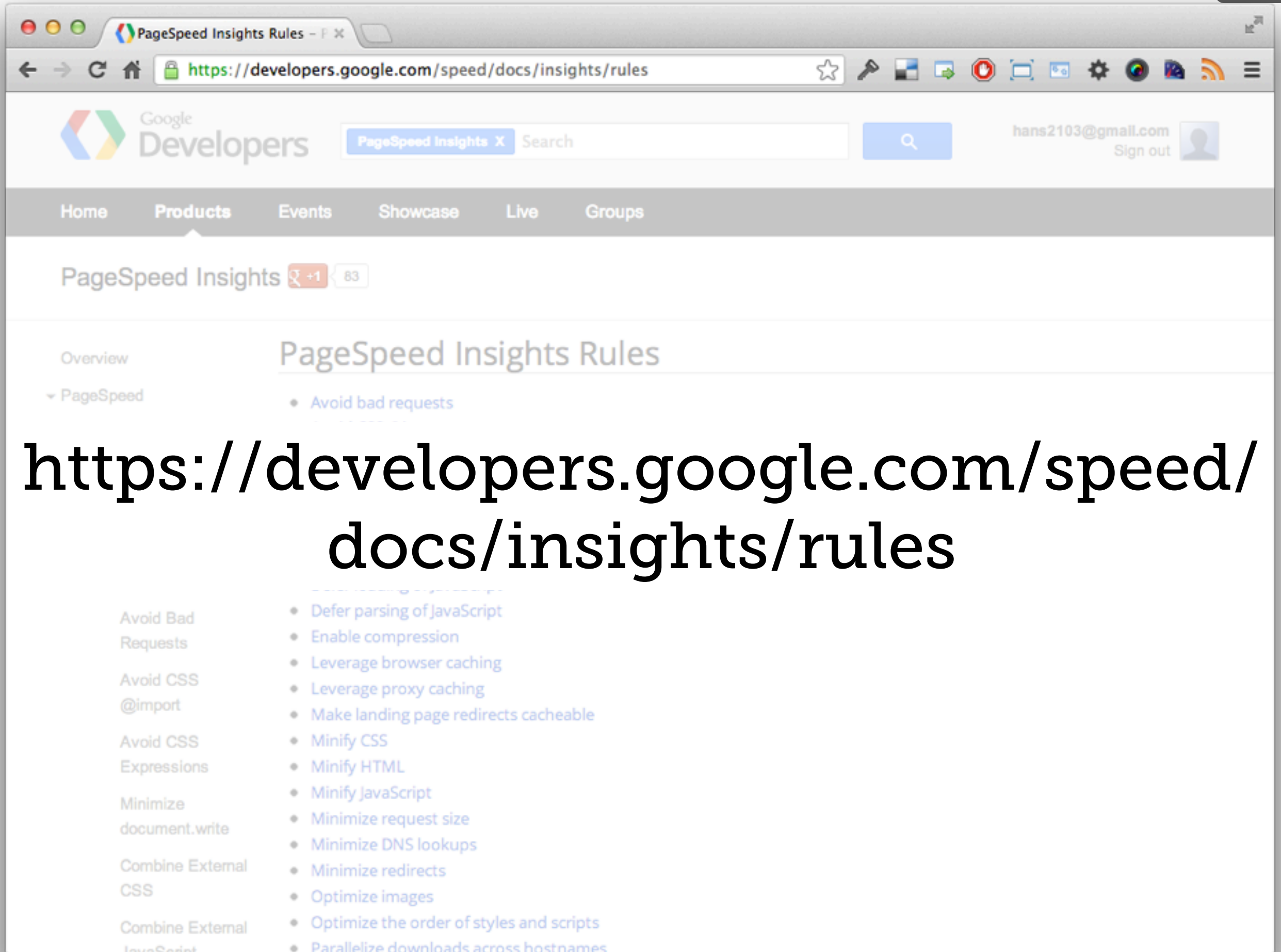
Minimize document.write

Combine External CSS

Combine External JavaScript

PageSpeed Insights Rules

- Avoid bad requests
- Avoid CSS @import
- Avoid CSS expressions
- Avoid document.write
- Combine external CSS
- Combine external JavaScript
- Combine images using CSS sprites
- Defer loading of JavaScript
- Defer parsing of JavaScript
- Enable compression
- Leverage browser caching
- Leverage proxy caching
- Make landing page redirects cacheable
- Minify CSS
- Minify HTML
- Minify JavaScript
- Minimize request size
- Minimize DNS lookups
- Minimize redirects
- Optimize images
- Optimize the order of styles and scripts
- Parallelize downloads across hostnames



The screenshot shows a web browser window with the address bar displaying <https://developers.google.com/speed/docs/insights/rules>. The page header includes the Google Developers logo, a search bar, and a user profile for `hans2103@gmail.com` with a 'Sign out' link. The main navigation bar contains links for Home, Products, Events, Showcase, Live, and Groups. The 'PageSpeed Insights' section shows a '+1' button and a count of 83. The 'PageSpeed Insights Rules' section is active, displaying a list of rules under the 'PageSpeed' category. The rules listed are:

- Avoid bad requests
- Defer parsing of JavaScript
- Enable compression
- Leverage browser caching
- Leverage proxy caching
- Make landing page redirects cacheable
- Minify CSS
- Minify HTML
- Minify JavaScript
- Minimize request size
- Minimize DNS lookups
- Minimize redirects
- Optimize images
- Optimize the order of styles and scripts
- Parallelize downloads across hostnames

On the left side of the rules list, there is a sidebar with the following categories: Avoid Bad Requests, Avoid CSS @import, Avoid CSS Expressions, Minimize document.write, Combine External CSS, and Combine External JavaScript.

<https://developers.google.com/speed/docs/insights/rules>





PageSpeed Insights — Google

https://developers.google.com/speed/pagespeed/insights

Google Developers

Make the Web Faster X Search

hans2103@gmail.com Sign out

Home Products Events Showcase Live Groups

Overview

PageSpeed

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Insights API

Rules

FAQ

Optimization

Public DNS

Hosted Libraries

Protocols

Standards

Performance Best Practices

Articles

Tools

 PageSpeed Insights

Make your web site faster

msnippets.net

ANALYZE

What is PageSpeed Insights?

PageSpeed Insights analyzes the content of a web page, then generates suggestions to make that page faster. Reducing page load times can reduce bounce rates and increase conversion rates. [Learn more](#)

PageSpeed Insights Resources

- [PageSpeed Insights for Chrome](#)
- [PageSpeed Service](#)
- [mod_pagespeed for Apache](#)





PageSpeed Insights — Google Developers

Make the Web Faster X Search

hans2103@gmail.com Sign out

Home Products Events Showcase Live Groups

PageSpeed Insights— msnippets.net/ [Edit](#)

Desktop Mobile Refresh

Overview

Critical Path Explorer

The page [Home](#) got an overall PageSpeed Score of **33** (out of 100). [Learn more](#)

⚡ This PageSpeed Report is generated for this page as it appears in desktop browsers. To get suggestions on how to optimize the performance of this page for mobile devices, generate a [mobile report](#).

Suggestion Summary

Click on the rule names to see suggestions for improvement.

- High priority (2)**
 - Enable compression
 - Leverage browser caching
- Medium priority (1)**
 - Combine images into CSS...
- Low priority (9)**
 - Defer parsing of JavaScript
 - Minify CSS
 - Inline Small CSS
 - Inline Small JavaScript
 - Avoid CSS @import
 - Minify JavaScript
 - Optimize images

High priority. These suggestions represent the largest potential performance wins for the least development effort. You should address these items first:
[Enable compression](#), [Leverage browser caching](#)

Medium priority. These suggestions may represent smaller wins or much more work to implement. You should address these items next:
[Combine images into CSS sprites](#)

Low priority. These suggestions represent the smallest wins. You should only be concerned with these items if you are looking for the last bit of performance improvement:
[Defer parsing of JavaScript](#), [Minify CSS](#), [Inline Small CSS](#), [Inline Small JavaScript](#), [Avoid CSS @import](#), [Minify JavaScript](#), [Optimize images](#)

Already done! There are no suggestions for these rules, since this page already follows these best practices.





GTmetrix | Website Speed an x

gtmetrix.com

GTmetrix

Login | Sign Up

Home Features Recommendations Top 1000 FAQ API Locations Contact GTmetrix PRO

Analyze Performance of:

http:// [GO!](#)

“The web should be fast.”

Google, Inc.

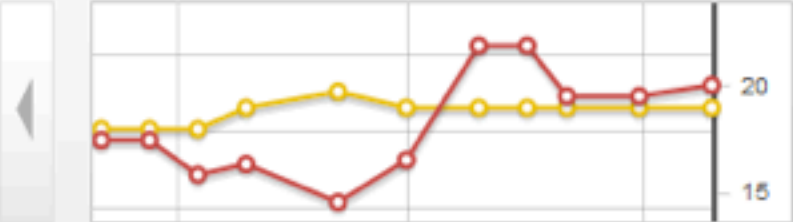
Everybody deserves a fast web experience.

GTmetrix can help you develop a faster, more efficient, and all-around improved website experience for your users.

Your users will love you for it.

Create a free account instantly!

Signup and get instant access to features like monitoring, graphing, ad blocking and more!



Graph your performance

View the performance history of 3 metrics through interactive graphs. Zoom, pan, set a date range and more!

Get more out of your reports. Register for an account today! [Create an Account](#)

Speed matters.

Latest News

Check out the [latest changes](#) »

- Pushed out an update that fixes the window.StorageList error with #PageSpeed CSS rules.
October 30, 2012
- We now offer #video playback! See how your page loads and pinpoint where bottlenecks occur: <http://t.co/IV9eS29U> #optimization #sitespeed
October 19, 2012
- Really excited to push out some new changes that we've been working on the past while!
October 19, 2012

GTmetrix | Website Speed an

gtmetrix.com

GTmetrix

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http://

GO!

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http://gtmetrix.com

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Speed matters.





Latest Performance Report for

gtmetrix.com/reports/msnippets.net/APSNTpT3

GTmetrix

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Home

Features

Recommendations

Top 1000

FAQ

API

Locations

Contact

GTmetrix PRO

Latest Performance Report for:

http://msnippets.net/

Download PDF

Report generated: Sat, Nov 10, 2012, 5:46 PM -0800

Test Server Region: Vancouver, Canada

Using: Firefox 15.0.1, Page Speed 1.12.9, YSlow 3.1.4

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

Summary

Page Speed Grade:

(35%)↓

F

YSlow Grade:

(70%)↓

C

Page load time: 5.20s

Total page size: 502KB

Total number of requests: 28

Breakdown

Page Speed

YSlow

Timeline

History

RECOMMENDATION	GRADE		TYPE	PRIORITY
Leverage browser caching	F (0)	↓	Server	High
Minify CSS	F (0)	↓	CSS	High
Enable gzip compression	F (4)	↓	Server	High
Combine images using CSS sprites	F (31)	↓	Images	Medium
Specify a Vary: Accept-Encoding header	F (48)	↓	Server	High
Defer parsing of JavaScript	E (59)	↕	JS	High
Optimize images	D (66)	↓	Images	High

Joomla World Conference 2012

Site Performance Optimization

Wednesday 8 May 13

Latest Performance Report for

gtmetrix.com/reports/msnippets.net/APSNTpT3

GTmetrix

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[Features](#)
[Recommendations](#)
[Top 1000](#)
[FAQ](#)
[API](#)
[Locations](#)
[Contact](#)

GTmetrix PRO



Options

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

Share This Report





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[Download PDF](#)

Report generated: Sat, Nov 10, 2012, 5:46 PM -0800

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Using: Firefox 15.0.1, Page Speed 1.12.9, YSlow 3.1.4

Your page generation time is slow

[Find out why and explore possible solutions »](#)

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(35%)↓

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(70%)↓

C

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YSlow

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History

Waterfall

[View Larger Version](#)

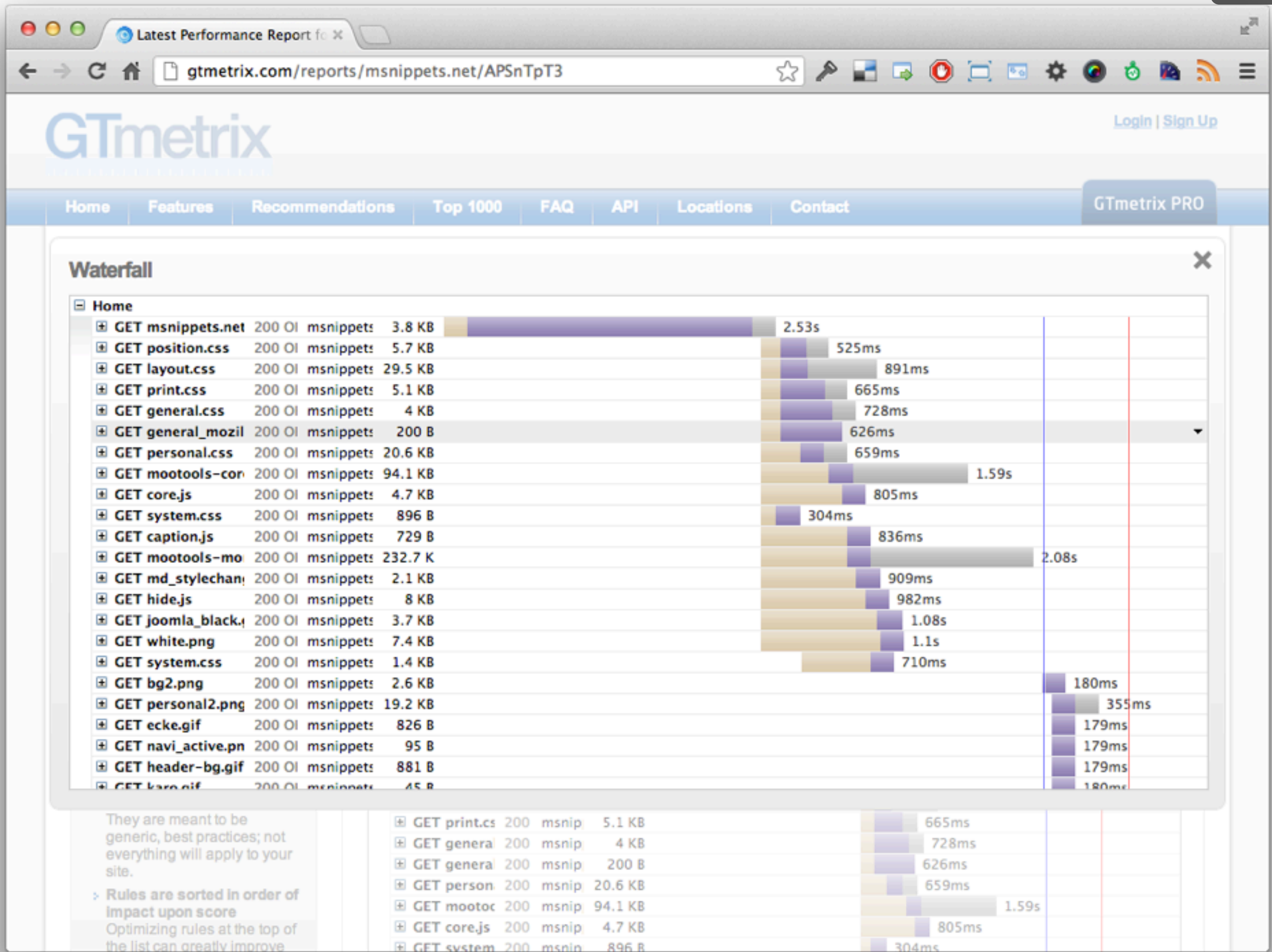
Home

GET msnipp	200	msnip	3.8 KB	2.53s
GET positio	200	msnip	5.7 KB	525ms
GET layout.	200	msnip	29.5 KB	891ms
GET print.cs	200	msnip	5.1 KB	665ms
GET genera	200	msnip	4 KB	728ms
GET genera	200	msnip	200 B	626ms
GET person	200	msnip	20.6 KB	659ms
GET mootoc	200	msnip	94.1 KB	1.59s
GET core.js	200	msnip	4.7 KB	805ms
system	200	msnip	896 B	304ms

Joomla World Conference 2012

Site Performance Optimization

Wednesday 8 May 13







things to do first

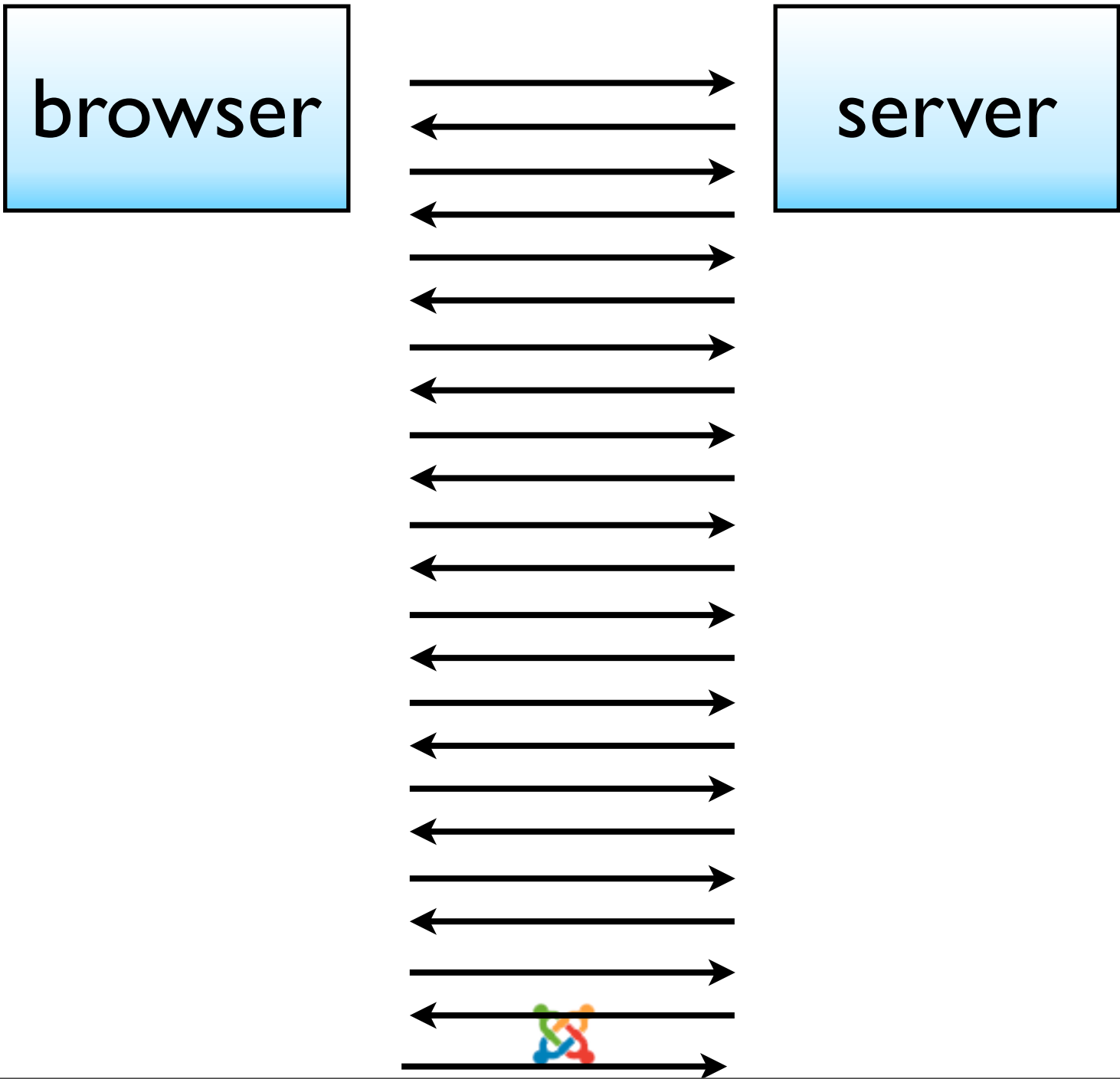
- reduce http request
- use gzip compression
- use caching





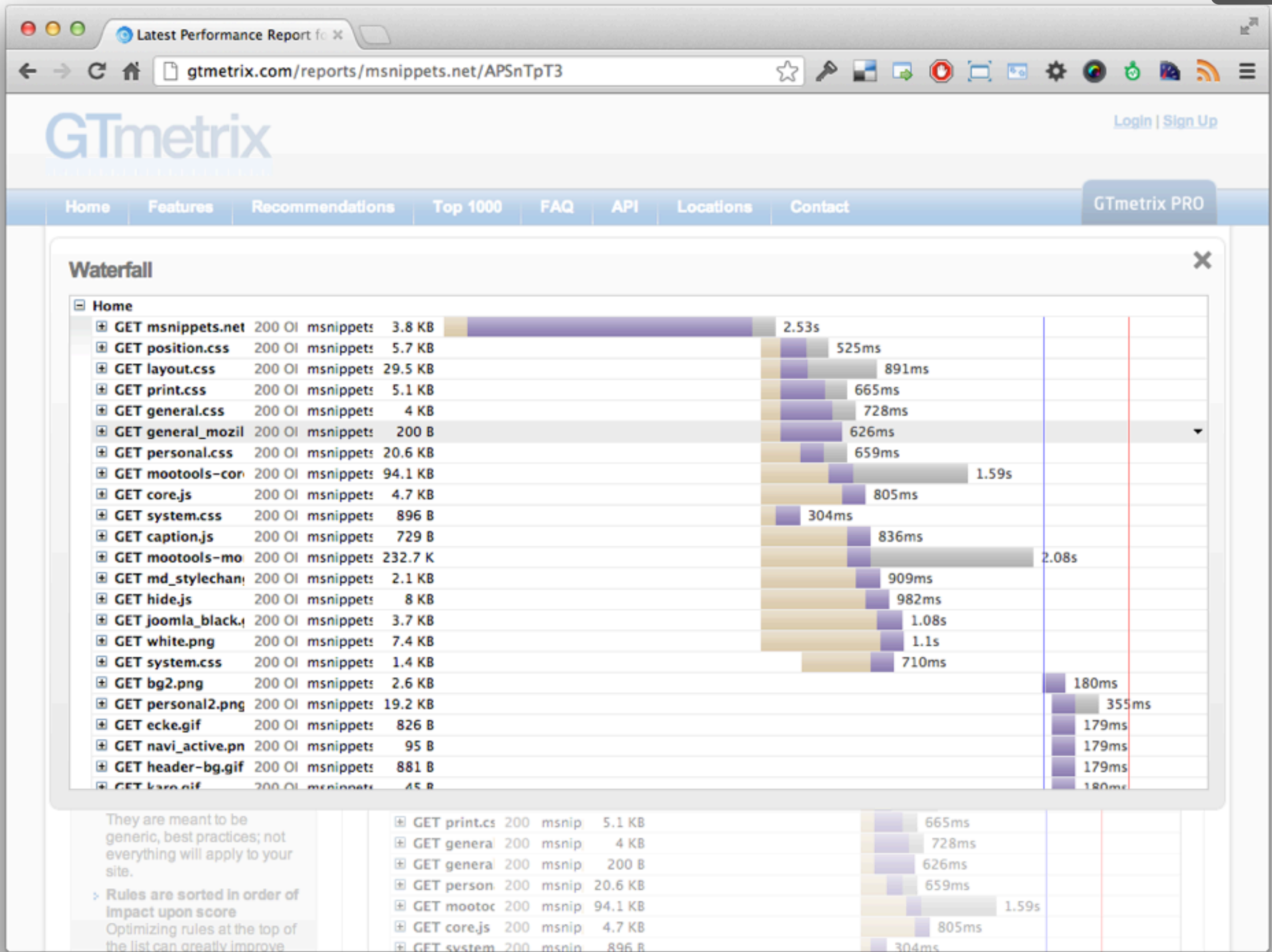


HTTP requests











The screenshot shows a web browser window with two tabs: 'Home' and 'MSnippets.net - Administrati...'. The address bar shows 'msnippets.net'. The page has a navigation bar with 'HOME', 'SAMPLE SITES', and 'JOOMLA.ORG'. Below this is a large blue banner with the Joomla! logo and the text 'Open Source Content Management'. A green diagonal banner on the right says 'We are volunteers!'. Below the banner, a breadcrumb trail reads 'You are here: Home'. The main content area is divided into three columns. The left column has a sidebar with 'About Joomla!' and 'This Site' sections. The middle column has a 'Joomla!' section with a welcome message and a 'Beginners' section. The right column has 'Upgraders' and 'Professionals' sections.

Font size [Bigger](#) | [Reset](#) | [Smaller](#) |

HOME | **SAMPLE SITES** | **JOOMLA.ORG**

 **Joomla!**
Open Source Content Management

We are volunteers!

You are here: Home

About Joomla!

- Getting Started
- Using Joomla!
- The Joomla! Project
- The Joomla! Community

This Site

- Home**
- Site Map
- Login
- Sample Sites

Joomla!

Congratulations! You have a Joomla site! Joomla makes it easy to build a website just the way you want it and keep it simple to update and maintain.

Joomla is a flexible and powerful platform, whether you are building a small site for yourself or a huge site with hundreds of thousands of visitors. Joomla is open source, which means you can make it work just the way you want it to.

Beginners

If this is your first Joomla! site or your first web site, you have come to the right place. Joomla will help you get your website up and running quickly and easily.

Start off using your site by logging

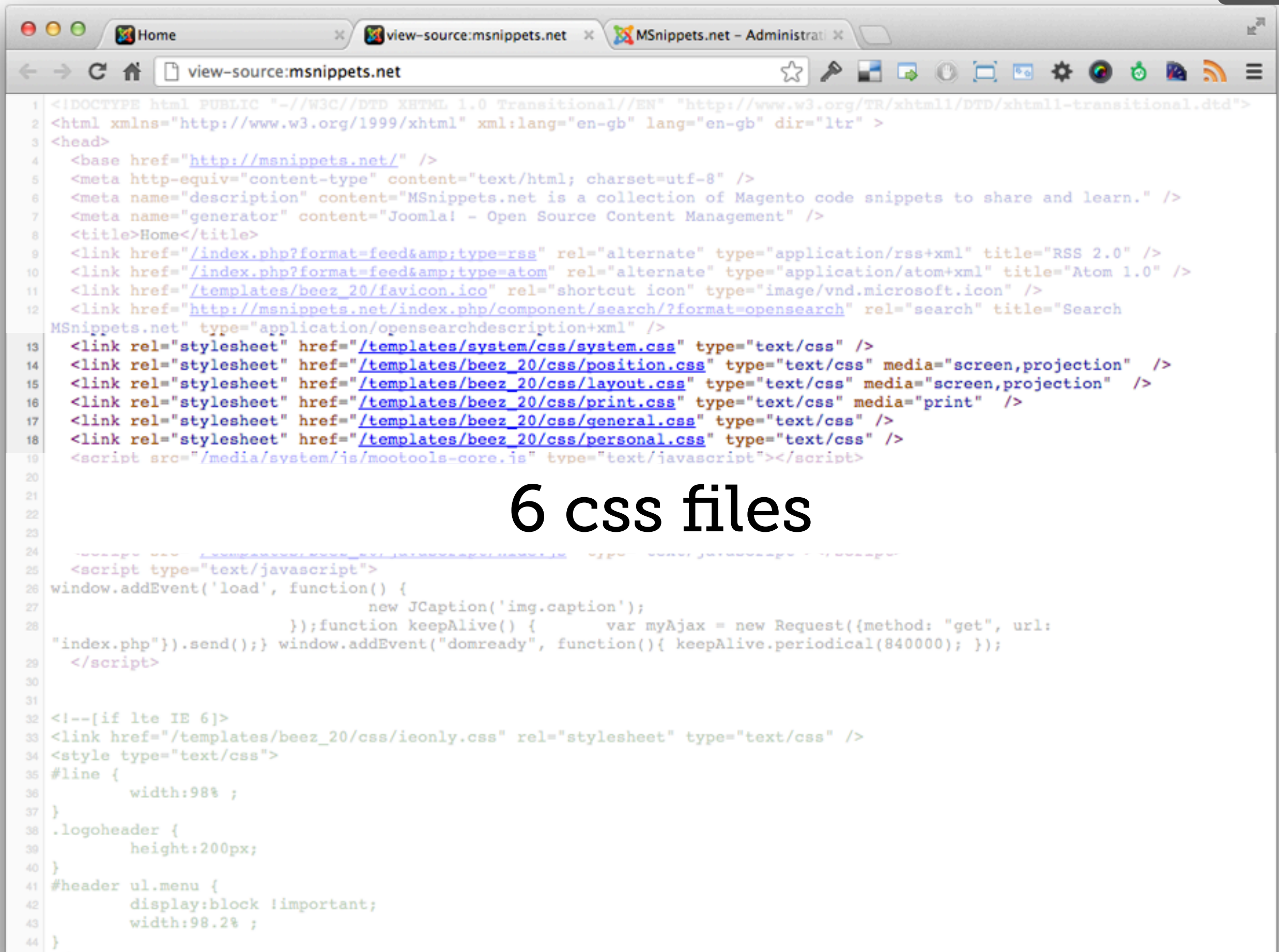
Upgraders

If you are an experienced Joomla! 1.5 user, this Joomla site will seem very familiar. There are new templates and improved user interfaces, but most functionality is the same. The biggest changes are improved access control (ACL) and

Professionals

Joomla! 2.5 continues development of the Joomla Framework and CMS as a powerful and flexible way to bring your vision of the web to reality. With the administrator now fully MVC, the ability to control its look and





```

1 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
2 <html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en-gb" lang="en-gb" dir="ltr" >
3 <head>
4   <base href="http://msnippets.net/" />
5   <meta http-equiv="content-type" content="text/html; charset=utf-8" />
6   <meta name="description" content="MSnippets.net is a collection of Magento code snippets to share and learn." />
7   <meta name="generator" content="Joomla! - Open Source Content Management" />
8   <title>Home</title>
9   <link href="/index.php?format=feed&type=rss" rel="alternate" type="application/rss+xml" title="RSS 2.0" />
10  <link href="/index.php?format=feed&type=atom" rel="alternate" type="application/atom+xml" title="Atom 1.0" />
11  <link href="/templates/bee2_20/favicon.ico" rel="shortcut icon" type="image/vnd.microsoft.icon" />
12  <link href="http://msnippets.net/index.php/component/search/?format=opensearch" rel="search" title="Search
MSnippets.net" type="application/opensearchdescription+xml" />
13  <link rel="stylesheet" href="/templates/system/css/system.css" type="text/css" />
14  <link rel="stylesheet" href="/templates/bee2_20/css/position.css" type="text/css" media="screen,projection" />
15  <link rel="stylesheet" href="/templates/bee2_20/css/layout.css" type="text/css" media="screen,projection" />
16  <link rel="stylesheet" href="/templates/bee2_20/css/print.css" type="text/css" media="print" />
17  <link rel="stylesheet" href="/templates/bee2_20/css/general.css" type="text/css" />
18  <link rel="stylesheet" href="/templates/bee2_20/css/personal.css" type="text/css" />
19  <script src="/media/system/js/mootools-core.js" type="text/javascript"></script>
20
21
22
23
24
25  <script type="text/javascript">
26  window.addEventListener('load', function() {
27      new JCaption('img.caption');
28      });function keepAlive() { var myAjax = new Request({method: "get", url:
"index.php"}).send();} window.addEventListener("domready", function(){ keepAlive.periodical(840000); });
29  </script>
30
31
32  <!--[if lte IE 6]>
33  <link href="/templates/bee2_20/css/ieonly.css" rel="stylesheet" type="text/css" />
34  <style type="text/css">
35  #line {
36      width:98% ;
37  }
38  .logoheader {
39      height:200px;
40  }
41  #header ul.menu {
42      display:block !important;
43      width:98.2% ;
44  }

```

6 css files



```

1 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
2 <html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en-gb" lang="en-gb" dir="ltr" >
3 <head>
4   <base href="http://msnippets.net/" />
5   <meta http-equiv="content-type" content="text/html; charset=utf-8" />
6   <meta name="description" content="MSnippets.net is a collection of Magento code snippets to share and learn." />
7   <meta name="generator" content="Joomla! - Open Source Content Management" />
8   <title>Home</title>
9   <link href="/index.php?format=feed&type=rss" rel="alternate" type="application/rss+xml" title="RSS 2.0" />
10  <link href="/index.php?format=feed&type=atom" rel="alternate" type="application/atom+xml" title="Atom 1.0" />
11  <link href="/templates/beeze_20/favicon.ico" rel="shortcut icon" type="image/vnd.microsoft.icon" />
12  <link href="http://msnippets.net/index.php/component/search/?format=opensearch" rel="search" title="Search
MSnippets.net" type="application/opensearchdescription+xml" />
13  <link rel="stylesheet" href="/templates/system/css/system.css" type="text/css" />
14
15
16
17
18  <link rel="stylesheet" href="/templates/beeze_20/css/personal.css" type="text/css" />
19  <script src="/media/system/js/mootools-core.js" type="text/javascript"></script>
20  <script src="/media/system/js/core.js" type="text/javascript"></script>
21  <script src="/media/system/js/caption.js" type="text/javascript"></script>
22  <script src="/media/system/js/mootools-more.js" type="text/javascript"></script>
23  <script src="/templates/beeze_20/javascript/md_stylechanger.js" type="text/javascript"></script>
24  <script src="/templates/beeze_20/javascript/hide.js" type="text/javascript"></script>
25  <script type="text/javascript">
26  window.addEventListener('load', function() {
27      new JCaption('img.caption');
28      });function keepAlive() { var myAjax = new Request({method: "get", url:
"index.php"}).send();} window.addEventListener("domready", function(){ keepAlive.periodical(840000); });
29  </script>
30
31
32  <!--[if lte IE 6]>
33  <link href="/templates/beeze_20/css/ieonly.css" rel="stylesheet" type="text/css" />
34  <style type="text/css">
35  #line {
36      width:98% ;
37  }
38  .logoheader {
39      height:200px;
40  }
41  #header ul.menu {
42      display:block !important;
43      width:98.2% ;
44  }

```

6 js files

The screenshot shows a web browser window with the URL www.yireo.com/software/joomla-extensions/scriptmerge. The page features the Yireo logo and navigation links: SOFTWARE, TUTORIALS, SERVICES, FORUM, BLOG, and CONNECT. A search bar and a 'Member Login' button are also present. The main content area has a red header with the title 'ScriptMerge' and a description: 'Less CSS and JS files on your pages increases your page speed. This extension allows you to merge files together, so that less HTTP requests are required.' Below this, there is a large URL overlay: <http://yireo.com/scriptmerge>. The page is divided into sections: 'Overview' and 'Changelog' on the left; 'ScriptMerge - Combine all your CSS and JavaScript' with a description in the center; and 'Software information' at the bottom. The 'Software information' section includes details about the license (GNU/GPL), price (Free), current version (0.9.3), and current status (Stable). A sidebar on the left lists 'More extensions' such as SimpleLists, BingTranslate, GoogleTranslate, Dynamic404, FancyBox, TweetScheduler, and SSL Redirect.

ScriptMerge - Joomla! extensions

www.yireo.com/software/joomla-extensions/scriptmerge

Member Login Site search SEARCH

YIREO SOFTWARE TUTORIALS SERVICES FORUM BLOG CONNECT

You are here: Home > Software > Joomla extensions > ScriptMerge

ScriptMerge

Less CSS and JS files on your pages increases your page speed. This extension allows you to merge files together, so that less HTTP requests are required.

http://yireo.com/scriptmerge

Overview

Changelog

More extensions

- SimpleLists
- BingTranslate
- GoogleTranslate
- Dynamic404
- FancyBox
- TweetScheduler
- SSL Redirect

SCRIPTMERGE FOR JOOMLA

YIREO

ScriptMerge - Combine all your CSS and JavaScript

The ScriptMerge plugin is a Joomla! System Plugin that merges all the CSS stylesheets and JavaScript files on your Joomla! page into one single file, which means that the browser only needs to download one single file - optimizing the bandwidth needed for your site.

Software information

License	GNU/GPL (General Public License)
	100% open source
	No limitations; Quality code
Price	Free
Current version	0.9.3
Current status	Stable

Administration Joomla!

Site Users Menus Content Components Extensions Help 0 Visitors 1 Admin 0 View Site Log out

Plug-in Manager: Plug-ins

 Edit
  Enable
  Disable
  Check In
  Options
  Help

Plugin successfully enabled

Filter: Search Clear

- Select Status - system - Select Access -

☐	Plug-in Name	Status	Ordering	Type	Element	Access	ID
☐	System - Language Filter		1	system	languagefilter	Public	422
☐	System - P3P Policy		2	system	p3p	Public	423
☐	System - Logout		3	system	logout	Public	430
☐	System - Debug		4	system	debug	Public	425
☐	System - Log		5	system	log	Public	426
☐	System - Redirect		6	system	redirect	Public	427
☐	System - Highlight		7	system	highlight	Public	440
☐	System - Remember Me		8	system	remember	Public	428
☐	System - SEF		9	system	sef	Public	429
☐	System - Language Code		10	system	languagecode	Public	436
☐	System - ScriptMerge		11	system	scriptmerge	Public	10001
☐	System - Cache		12	system	cache	Public	424

Display # 20

Before cache plugin




```

1 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
2 <html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en-gb" lang="en-gb" dir="ltr" >
3 <head>
4   <base href="http://www.msnippets.net/" />
5   <meta http-equiv="content-type" content="text/html; charset=utf-8" />
6   <meta name="description" content="MSnippets.net is a collection of Magento code snippets to share and learn." />
7   <meta name="generator" content="Joomla! - Open Source Content Management" />
8   <title>Home</title>
9   <link href="/index.php?format=feed&type=rss" rel="alternate" type="application/rss+xml" title="RSS 2.0" />
10  <link href="/index.php?format=feed&type=atom" rel="alternate" type="application/atom+xml" title="Atom 1.0" />
11  <link href="/templates/beeze_20/favicon.ico" rel="shortcut icon" type="image/vnd.microsoft.icon" />
12  <link href="http://www.msnippets.net/index.php/component/search/?format=opensearch" rel="search" title="Search
MSnippets.net" type="application/opensearchdescription+xml" />
13
14  <link rel="stylesheet" href="http://www.msnippets.net/cache/plg_scriptmerge/579665ac6a24ef5791981c4a659bc067.css"
type="text/css" />
15    <link rel="stylesheet" href="/templates/beeze_20/css/print.css" type="text/css" media="print" />
16
17  <script src="http://www.msnippets.net/cache/plg_scriptmerge/b769e9c4c6e7f1b3985a9ddc1f82e283.js"
type="text/javascript"></script>
18
19
20
21
22  </script>
23
24
25  <!--[if lte IE 6]>
26  <link href="/templates/beeze_20/css/ieonly.css" rel="stylesheet" type="text/css" />
27  <style type="text/css">
28  #line {
29      width:98% ;
30  }
31  .logoheader {
32      height:200px;
33  }
34  #header ul.menu {
35      display:block !important;
36      width:98.2% ;
37  }
38  </style>
39  <![endif]-->
40
41  <!--[if IE 7]>
42  <link href="/templates/beeze_20/css/ie7only.css" rel="stylesheet" type="text/css" />

```

2 css files

```

1 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
2 <html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en-gb" lang="en-gb" dir="ltr" >
3 <head>
4   <base href="http://www.msnippets.net/" />
5   <meta http-equiv="content-type" content="text/html; charset=utf-8" />
6   <meta name="description" content="MSnippets.net is a collection of Magento code snippets to share and learn." />
7   <meta name="generator" content="Joomla! - Open Source Content Management" />
8   <title>Home</title>
9   <link href="/index.php?format=feed&type=rss" rel="alternate" type="application/rss+xml" title="RSS 2.0" />
10  <link href="/index.php?format=feed&type=atom" rel="alternate" type="application/atom+xml" title="Atom 1.0" />
11  <link href="/templates/beeze_20/favicon.ico" rel="shortcut icon" type="image/vnd.microsoft.icon" />
12  <link href="http://www.msnippets.net/index.php/component/search/?format=opensearch" rel="search" title="Search
MSnippets.net" type="application/opensearchdescription+xml" />
13
14  <link rel="stylesheet" href="http://www.msnippets.net/cache/plg_scriptmerge/579665ac6a24ef5791981c4a659bc067.css"
type="text/css" />
15    <link rel="stylesheet" href="/templates/beeze_20/css/print.css" type="text/css" media="print" />
16
17  <script src="http://www.msnippets.net/cache/plg_scriptmerge/b769e9c4c6e7f1b3985a9ddc1f82e283.js"
type="text/javascript"></script>
18
19
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22  </script>
23
24
25  <!--[if lte IE 6]>
26  <link href="/templates/beeze_20/css/ieonly.css" rel="stylesheet" type="text/css" />
27  <style type="text/css">
28  #line {
29      width:98% ;
30  }
31  .logoheader {
32      height:200px;
33  }
34  #header ul.menu {
35      display:block !important;
36      width:98.2% ;
37  }
38  </style>
39  <![endif]-->
40
41  <!--[if IE 7]>
42  <link href="/templates/beeze_20/css/ie7only.css" rel="stylesheet" type="text/css" />

```

1 js files

Latest Performance Report for

gtmetrix.com/reports/msnippets.net/AR9EWy1G

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Recommendations

Top 1000

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API

Locations

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GTmetrix PRO



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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

Latest Performance Report for:

http://msnippets.net/

 [Download PDF](#)

Report generated: Sat, Nov 10, 2012, 6:31 PM -0800

Test Server Region: Vancouver, Canada

Using: Firefox 15.0.1, Page Speed 1.12.9, YSlow 3.1.4

Summary

Page Speed Grade:

(37%)↓

F

YSlow Grade:

(78%)↑

C

Page load time: 3.40s

Total page size: 495KB

Total number of requests: 17

Breakdown

Page Speed

YSlow

Timeline

History

RECOMMENDATION

GF

Enable gzip compression

Leverage browser caching

F (0)

↓

Server

High

Combine images using CSS sprites

F (0)

↓

Images

Medium

Defer parsing of JavaScript

E (59)

↑

JS

High

Minify HTML

D (62)

↓

Content

High

Optimize images

D (66)

↓

Images

High

Use efficient CSS selectors

F (0)

↓

CSS

Low

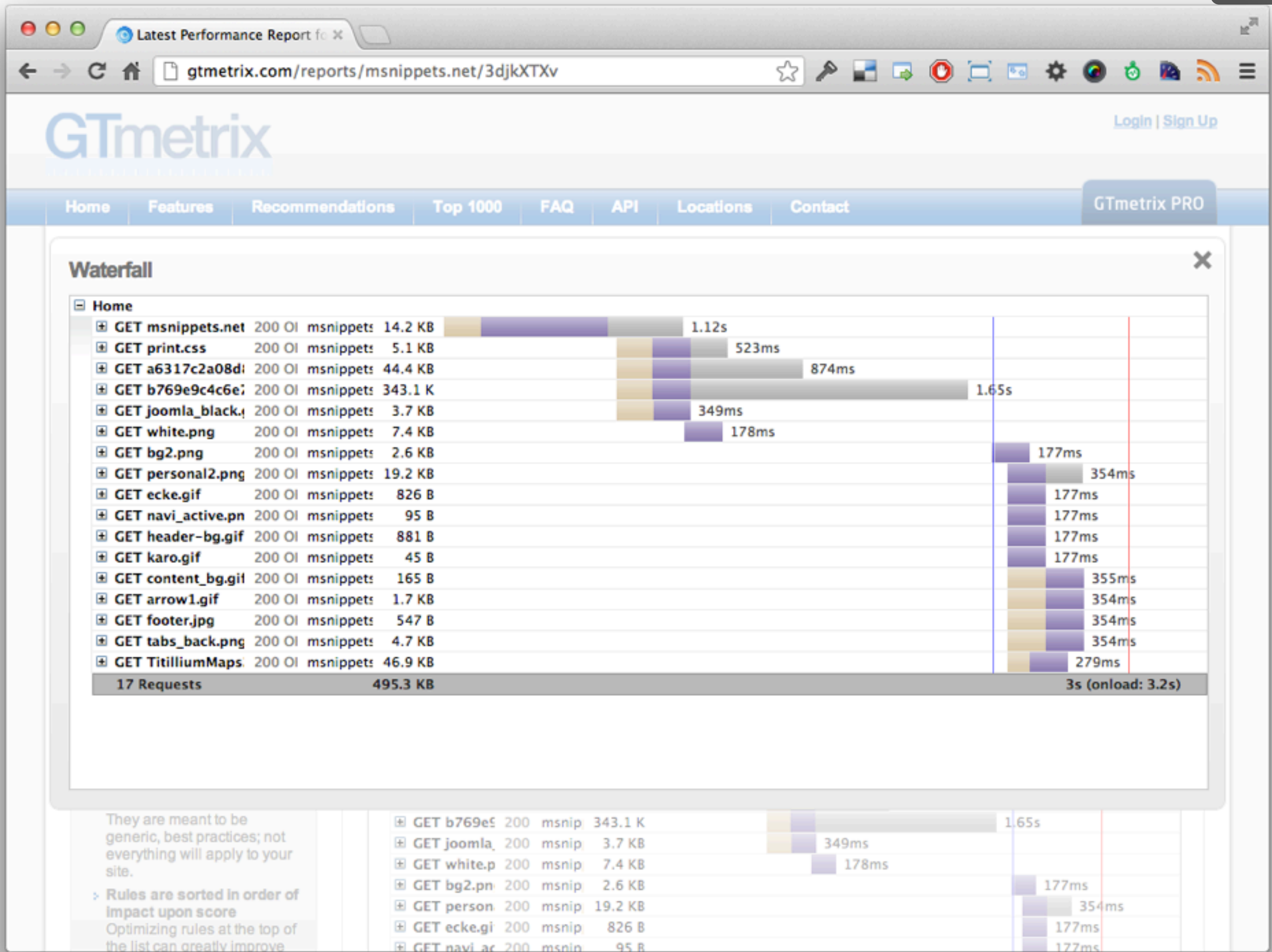
reduced with I I

Joomla World Conference 2012



Site Performance Optimization

Wednesday 8 May 13



Latest Performance Report for

gtmetrix.com/reports/msnippets.net/AR9EWy1G

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- [Compare to another URL](#)

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Summary

Page Speed Grade:

(37%)↓

F

YSlow Grade:

(78%)↑

C

Page load time: 3.40s

Total page size: 495KB

Total number of requests: 17

Breakdown

Page Speed

YSlow

Timeline

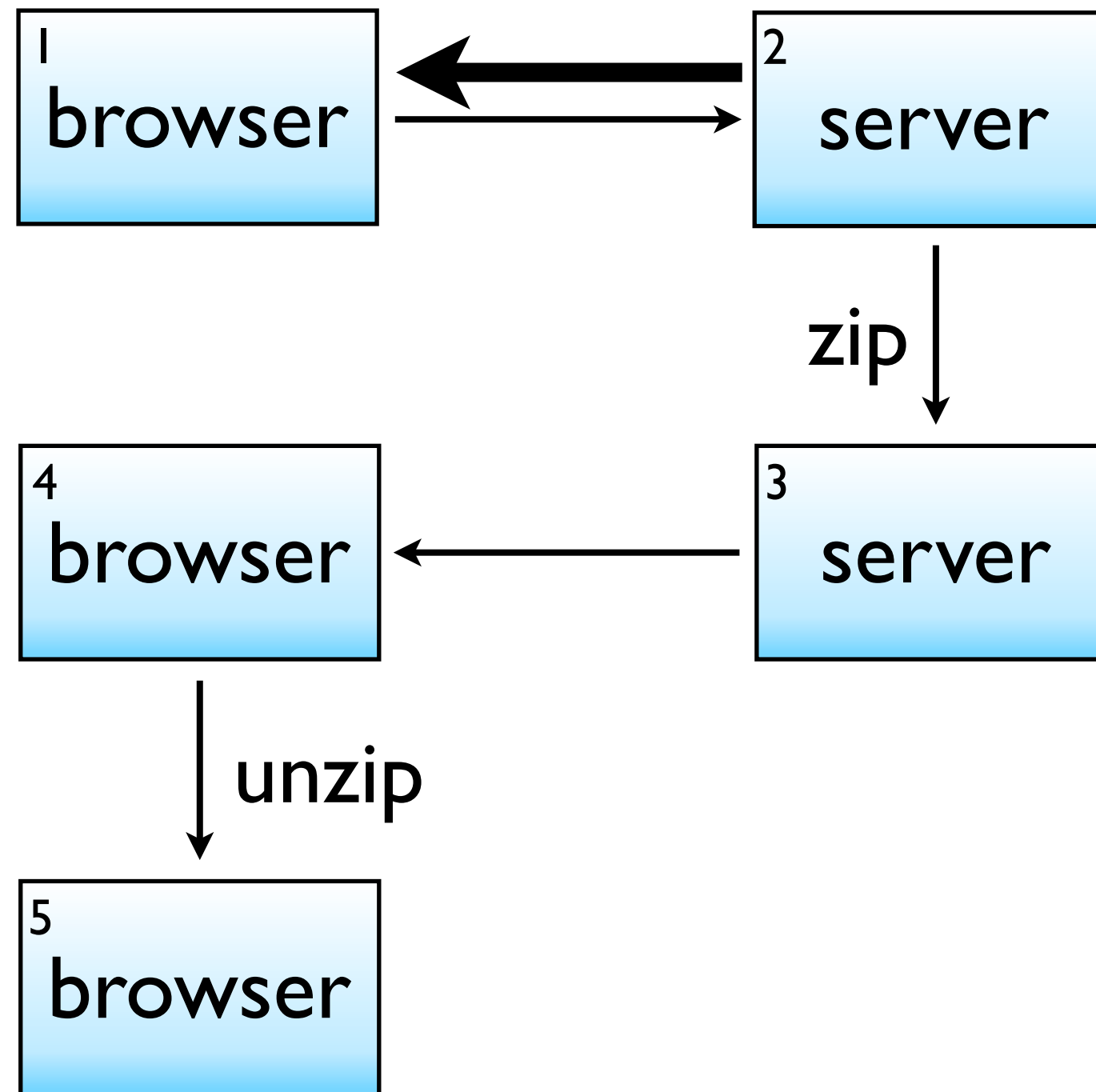
History

RECOMMENDATION	GRADE		TYPE	PRIORITY
Enable gzip compression	F (0)	↓	Server	High
Leverage browser caching	F (0)	↓	Server	High
Combine images using CSS sprites	F (0)	↓	Images	Medium
Defer parsing of JavaScript	E (59)	↑	JS	High
Minify HTML	D (62)	↓	Content	High
Optimize images	D (66)	↓	Images	High
Use efficient CSS selectors	F (0)	↓	CSS	Low

still too low



Gzip compression



The screenshot shows a web browser window with the address bar displaying `www.whatsmyip.org/http-compression-test/`. The page title is "WhatsMyIP.org | HTTP Comp". The main content area is titled "http://www.whatsmyip.org/http-compression-test/" in large black text. Below this, the page has a navigation bar with "Home / HTTP Compression" and social media links for Facebook (62 likes), Twitter (25 tweets), and Google+ (59 +1s).

The left sidebar contains two sections: "Networking Tools" and "Text Related Tools". The "Networking Tools" section includes links for "More Info About You", "Port Scanners", "Traceroute", "HTTP Compression" (highlighted), "Ping", "Whois & DNS", "Website Ranking", "IP Location", and "HTTP Headers". The "Text Related Tools" section includes links for "Short URL Machine", "HTML Characters", "String to Timestamp", "Hash Generator", and "Text Case Changer".

The main content area is titled "Web Page Content Compression Verification". It contains the following text:

This tool checks your server to see if it is sending out compressed data. It will work with any form of compression: mod_gzip, mod_deflate, or gzip compression through any server-side language, like PHP. Only textual data is compressed: HTML, CSS, JavaScript etc. Images are already compressed and are not gzip'd through a web server. This tool only checks the exact document you enter. To check CSS or JavaScript files, enter the address of that file.

A common misconception is that compressing web pages on the fly will slow down a web server. This is not the case. It does take a little CPU to do the compression, but the result is that your web server is handling significantly less data, which reduces the total CPU load on the server.

Check [this](#) out for an easy way to use PHP to gzip compress your pages

The tool interface shows a search bar with the text "msnippets.net" and a "Test" button. Below the search bar, a red octagon with a white 'X' indicates that "http://msnippets.net is not gzipped".

Below the error message, the following statistics are displayed:

- Actual Page Size: 14.16 KB
- Size if Compressed: 3.7 KB
- Potential Savings: 73.87%

At the bottom of the main content area, there is a link "Link To Results" with a globe icon.

Home MSnippets.net - Administration

www.msnippets.net/administrator/index.php?option=com_config

Administration Joomla!

Site Users Menus Content Components Extensions Help 0 Visitors 1 Admin 0 View Site Log out

Global Configuration

Save Save & Close Cancel Help

Site System **Server** Permissions Text Filters

Server Settings

Path to Temp Folder

Gzip Page Compression ☒ Yes ☐ No

Error Reporting

Force SSL

Location Settings

Server Time Zone

FTP Settings

Enable FTP ☐ Yes ☒ No

FTP Host

FTP Port

FTP Username

FTP Password

FTP Root

Database Settings

Database Type

Host

Database Username

Database Name

Database Tables Prefix

Mail Settings

Mailer

From email

From Name

Sendmail Path

SMTP Authentication ☐ Yes ☒ No

SMTP Security

SMTP Port

SMTP Username

SMTP Password

change to YES

add to .htaccess

```
# Compress output using mod_deflate
<IfModule mod_deflate.c>
  AddOutputFilterByType DEFLATE text/html text/plain text/xml text/css text/javascript
  AddOutputFilterByType DEFLATE application/xml application/xhtml+xml application/rss+xml
  AddOutputFilterByType DEFLATE application/javascript application/x-javascript

  BrowserMatch ^Mozilla/4 gzip-only-text/html
  BrowserMatch ^Mozilla/4\.0[678] no-gzip
  BrowserMatch \bMSIE[E] !no-gzip !gzip-only-text/html

  SetEnvIfNoCase Request_URI \.(?:gif|jpe?g|png)$ no-gzip dont-vary
  SetEnvIfNoCase Request_URI \.(?:exe|t?gz|zip|bz2|sit|rar)$ no-gzip dont-vary
  SetEnvIfNoCase Request_URI \.(?:pdf|doc)$ no-gzip dont-vary
  SetEnvIfNoCase Request_URI \.(?:avi|mov|mp3|mp4|rm)$ no-gzip dont-vary
</IfModule>
```



WhatsMyIP.org | HTTP Comp

www.whatsmyip.org/http-compression-test/

HTTP Compression Test

Home / HTTP Compression

Like 62 Tweet 25 +1 59

Web Page Content Compression Verification

This tool checks your server to see if it is sending out compressed data. It will work with any form of compression: mod_gzip, mod_deflate, or gzip compression through any server-side language, like PHP. Only textual data is compressed: HTML, CSS, JavaScript etc. Images are already compressed and are not gzip'd through a web server. This tool only checks the exact document you enter. To check CSS or JavaScript files, enter the address of that file.

A common misconception is that compressing web pages on the fly will slow down a web server. This is not the case. It does take a little CPU to do the compression, but the result is that your web server is handling significantly less data, which reduces the total CPU load on the server.

Check [this](#) out for an easy way to use PHP to gzip compress your pages

msnippets.net Test

 **http://msnippets.net is gzipped**

Original Size: 14.16 KB
Compressed Size: 3.8 KB
Data Savings: 73.16%

[Link To Results](#)

Networking Tools

- More Info About You
- Port Scanners
- Traceroute
- HTTP Compression**
- Ping
- Whois & DNS
- Website Ranking
- IP Location
- HTTP Headers

Text Related Tools

- Short URL Machine
- HTML Characters
- String to Timestamp
- Hash Generator
- Text Case Changer



Latest Performance Report for

gtmetrix.com/reports/msnippets.net/MPms163U

GTmetrix

Login | Sign Up

Home Features Recommendations Top 1000 FAQ API Locations Contact GTmetrix PRO

Download PDF

Latest Performance Report for: <http://msnippets.net/>

Report generated: Sat, Nov 10, 2012, 6:46 PM -0800
 Test Server Region: Vancouver, Canada
 Using: Firefox 15.0.1, Page Speed 1.12.9, YSlow 3.1.4

Summary

Page Speed Grade: **C** (77%)_↑ YSlow Grade: **B** (81%)_↑ Page load time: 2.88s
 Total page size: 204KB
 Total number of requests: 17

Breakdown

Page Speed YSlow Timeline History

RECOMMENDATION	GRADE		TYPE	PRIORITY
Leverage browser caching	F (0)	↓	Server	High
Combine images using CSS sprites	F (0)	↓	Images	Medium
Defer parsing of JavaScript	E (59)	↑	JS	High
Optimize images	D (66)	↓	Images	High
Use efficient CSS selectors	F (0)	↓	CSS	Low
Remove unused CSS	E (57.8)	↑	CSS	Low
Specify image dimensions	B (80)	↑	Images	High

Options

- Re-Test Page
- Compare to another URL

Share This Report

Google+ Facebook Twitter

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

Caching

is page in Joomla cache?

- yes → serve cached page
- no → generate page

Joomla cache is good
jotCache is better.
exclude pages from cache





The screenshot shows a web browser window with the address bar displaying www.jotcomponents.net/web-programming/jotcache. The page features a navigation bar with links for HOME, FORUM, BLOG, and a SEARCH button. The main content area is titled "JotCache for Joomla 3.0 available" and includes a sub-header "Published on Friday, 19 October 2012 13:49". The article text discusses the Joomla 3.0 platform changes, the MVC structure, and the JotCache component. A sidebar on the left contains links for "Actual versions", "Archive", "Tools", and "JAntRun".

11 | 11 | 2012

JOT COMPONENTS

HOME FORUM BLOG SEARCH

Web Programming Latest News

<http://www.jotcomponents.net/web-programming/jotcache>

Actual versions

Archive

Tools

JAntRun

JotCache for Joomla 3.0 available

Published on Friday, 19 October 2012 13:49

Joomla new generation has many important changes in Joomla platform as mentioned in [oficial Joomla.org overview](#). Most important changes relates to new MVC structure, transition of javascript more in favour of JQuery (mootools v.1.4.5 still dominant in the core) and new site templating.

From JotCache point of view many changes influenced JotCache component with plenty of code rewrite and final web testing in environment of new Isis administrator template. Some notes from preparation and usage of Selenium2 site tests are described in Blog article [Using Selenium 2.0 with ChromeDriver for Joomla 3.0 testing](#).

Scope of functions remains the same as implemented for J2.5 and J1.5 which are described in [Help for JotCache 3.0](#).

When you have interest for Joomla and JotCache new solutions you can download JotCache v.3.0.2 for Joomla 3.0

The screenshot shows the Joomla! Administration interface for the JotCache plugin. The top navigation bar includes links for Site, Users, Menus, Content, Components, Extensions, and Help. The main content area is titled 'Plug-in Manager: JotCache' and features a toolbar with 'Save', 'Save & Close', 'Close', and 'Help' buttons. The 'Details' section on the left shows the plugin's status as 'Enabled', access as 'Public', and ordering as '14 Order Last'. The 'Basic Options' section on the right includes settings for browser and server cache parameters. Two orange arrows point to the '14 Order Last' dropdown, with the text 'order last' and 'my settings' written next to them.

Administration

Site Users Menus Content Components Extensions Help 0 Visitors 1 Admin 0 View Site Log out

Plug-in Manager: JotCache Save Save & Close Close Help

Details

JotCache

Status Enabled

Access Public

Ordering 14 Order Last

Plug-in Type system

Plug-in File jotcache

ID 10002

Description

Advanced page caching for Joomla 1.5 web sites. JotCache Management functions cover accompanying JotCache component. General Help to all Plugins is accessible on top toolbar. Here you have link for :

[Help to this plugin \(and JotCache general\)](#)

Basic Options

Browser Cache Parameters

Browser caching (see popup!) ☒ No ☐ Yes

Server Cache Parameters

Cache Lifetime 300

Compress Cached Content ☒ No ☐ Yes

Mark Caching ☐ No ☒ Yes

Cache Auto Clean 5

Autoclean Mode ☒ Fast ☐ Medium ☐ Slow

Clean Log ☒ No ☐ Yes

Browser Split Chrome Firefox IE IE 6.0

Global Exclude

order last

my settings

add to .htaccess

```
# Turn on Expires and set default to 0
ExpiresActive On
ExpiresDefault A0
```

```
# Set up caching on media files for 1 year (forever?)
<filesMatch "\.(flv|ico|pdf|avi|mov|ppt|doc|mp3|wmv|wav)$">
    ExpiresDefault A29030400
    Header append Cache-Control "public"
</filesMatch>
```

```
# Set up caching on media files for 1 week
<filesMatch "\.(gif|jpg|jpeg|png|swf)$">
    ExpiresDefault A604800
    Header append Cache-Control "public"
</filesMatch>
```

```
# Set up 2 Hour caching on commonly updated files
<filesMatch "\.(xml|txt|html|js|css)$">
    ExpiresDefault A7200
    Header append Cache-Control "proxy-revalidate"
</filesMatch>
```

```
# Force no caching for dynamic files
<filesMatch "\.(php|cgi|pl|htm)$">
    ExpiresActive Off
    Header set Cache-Control "private, no-cache, no-store, proxy-revalidate, no-transform"
    Header set Pragma "no-cache"
</filesMatch>
```



mod_expires
in combination with
mod_deflate
I know my provider
installed both

Latest Performance Report for

gtmetrix.com/reports/msnippets.net/xGIMpZMo

GTmetrix

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Home Features Recommendations Top 1000 FAQ API Locations Contact GTmetrix PRO

Latest Performance Report for:
<http://msnippets.net/>

Report generated: Sat, Nov 10, 2012, 7:26 PM -0800
Test Server Region: Vancouver, Canada
Using: Firefox 15.0.1, Page Speed 1.12.9, YSlow 3.1.4

Download PDF

Summary

Options

There are 3 static components without a far-future expiration date.

Page Speed YSlow Timeline History

RECOMMENDATION	GRADE	TYPE	PRIORITY
Use a Content Delivery Network (CDN)	F (0)	Server	Medium
Add Expires headers	D (67)	Server	High

There are 3 static components without a far-future expiration date.

- http://msnippets.net/cache/plg_scriptmerge/a6317c2a08d8783c2f045cfd5a764176.css
- http://msnippets.net/templates/beez_20/css/print.css
- http://msnippets.net/cache/plg_scriptmerge/b769e9c4c6e7f1b3985a9ddc1f82e283.js

What does this mean?

Use cookie-free domains	F (25)	Cookie	Low
-------------------------	--------	--------	-----



add to .htaccess

```
# Turn on Expires and set default to 0
ExpiresActive On
ExpiresDefault A0
```

```
# Set up caching on media files for 1 year (forever?)
<filesMatch "\.(flv|ico|pdf|avi|mov|ppt|doc|mp3|wmv|wav)$">
    ExpiresDefault A29030400
    Header append Cache-Control "public"
</filesMatch>
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# Force no caching for dynamic files
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    ExpiresActive Off
    Header set Cache-Control "private, no-cache, no-store, proxy-revalidate, no-transform"
    Header set Pragma "no-cache"
</filesMatch>
```

set this value to a week and YSlow will give you a higher score



less is more...

- combine css images in sprites
- css3 instead of images
- optimize images
- remove unwanted css files
- remove unwanted js files
- show less ...



Joomla! ACL simplified - ACL x

www.aclmanager.net

ACL Manager for Joomla!

Features Subscribe Blog Members Support English

ACL Manager for Joomla!®

Easily manage the permissions of Joomla websites with the clickable permission grid of the award winning ACL Manager.

A great overview of all Joomla ACL settings and discover & fix issues with the Joomla assets table easily.

Demo Subscribe now

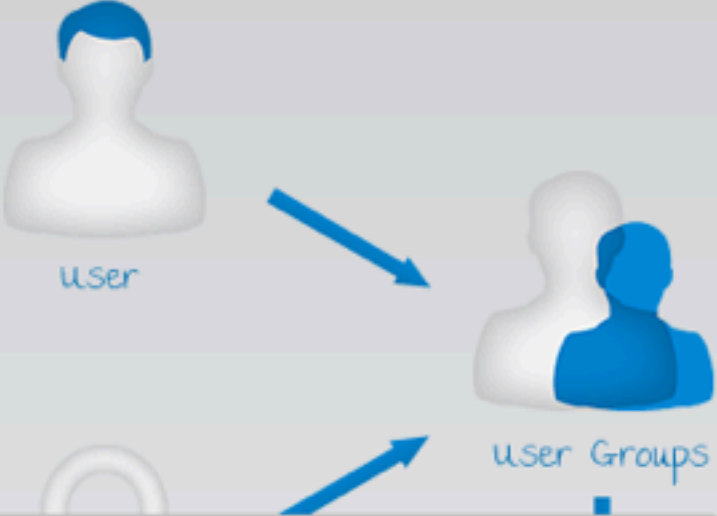
2012 AND BEYOND AN INTERNATIONAL JOOMLA!™ CONFERENCE Winner of J!OSCAR Award



Joomla Access Control List (ACL)

Joomla 2.5 has an advanced permission system, called Access Control List (ACL). This allows you to define which group can perform what actions on your website.

The available Joomla core actions are: Site Login, Admin Login, Offline Access, Super Admin, Access Administration Interface, Create, Delete, Edit, Edit State and Edit Own. You can set permissions for these actions on four levels: Global configuration, Components and if applicable for a Categories and Items. The Joomla ACL system is a great way to define groups with their own set of permissions.



www.aclmanager.net/subscribe/1-year/new

Joomla! ACL simplified - ACL x

www.aclmanager.net

ACL Manager for Joomla!

Features Subscribe Blog Members Support

English
Deutsch
Español
Italiano
Nederlands

ACL Manager for Joomla!®

Easily manage the permissions of Joomla websites with the clickable permission grid of the award winning ACL Manager.

A great overview of all Joomla ACL settings and discover & fix issues with the Joomla assets table easily.

Demo Subscribe now

2012 J AND BEYOND
AN INTERNATIONAL JOOMLA!™ CONFERENCE

Winner of J!OSCAR Award

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The available Joomla core actions are: Site Login, Admin Login, Offline Access, Super Admin, Access Administration Interface, Create, Delete, Edit, Edit State and Edit Own. You can set permissions for these actions on four levels: Global configuration, Components and if applicable for a Categories and Items. The Joomla ACL system is a great way to define groups with their own set of permissions.

user → user Groups

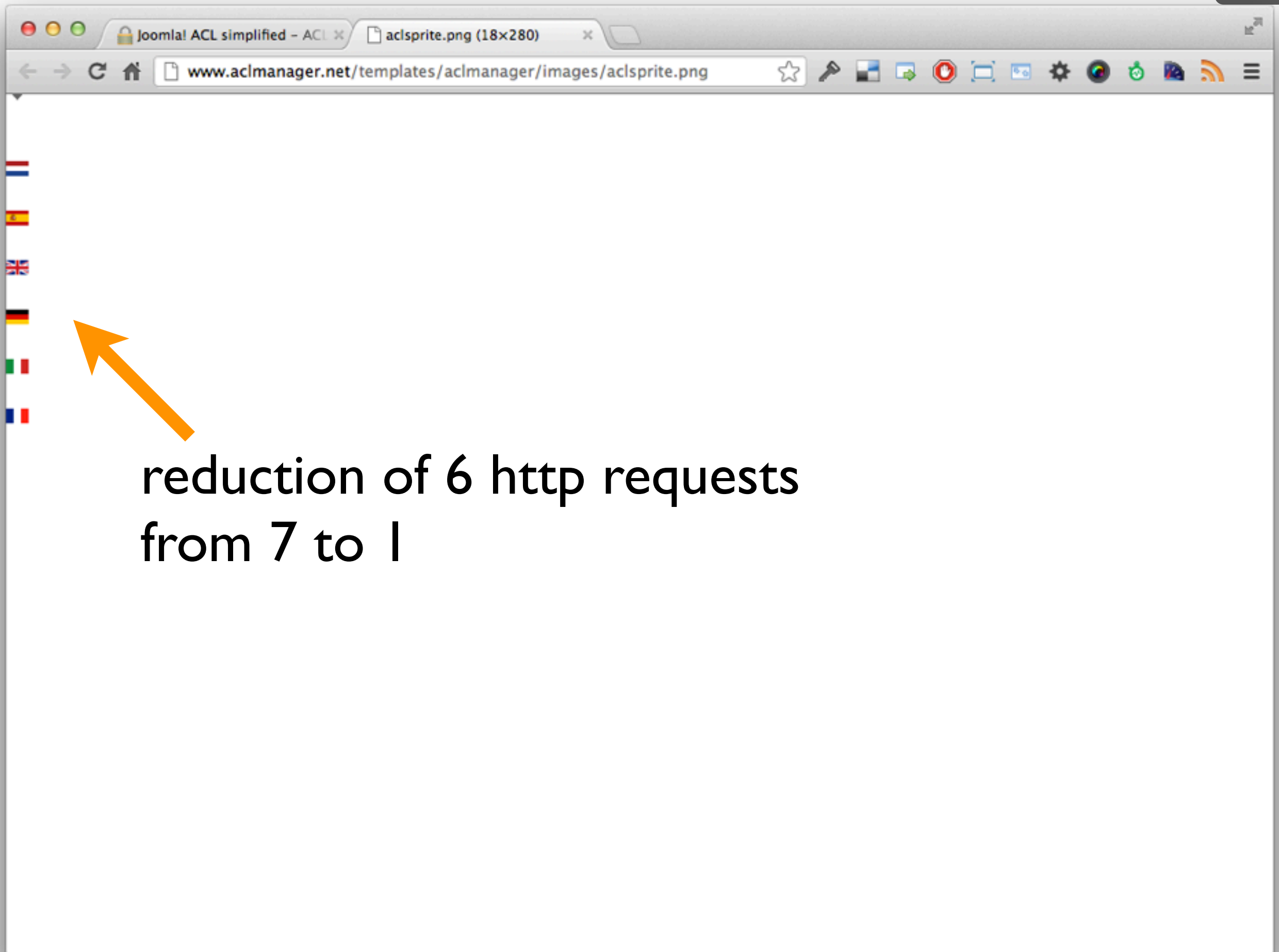
The screenshot shows a web browser displaying the ACL Manager for Joomla! website. The browser's address bar shows the URL `www.aclmanager.net`. The website's header includes a navigation menu with links for Features, Subscribe, Blog, Members, and Support, along with a language dropdown menu currently set to English. The main content area features the title "ACL Manager for Joomla!®" and a description: "Easily manage the permissions of Joomla websites with the clickable permission grid of the award winning ACL Manager. A great overview of all Joomla ACL settings and discover & fix issues with the Joomla assets table easily". A large graphic of a padlock is visible on the right side of the page.

The browser's developer tool is open, showing the HTML structure of the page. The selected element is a `span` with the class `downarrow`, located within a list of languages. The `Computed Style` panel on the right shows the following styles for the selected element:

- `background: url("../images/aclsprite.png") no-repeat scroll 0 0 transparent;`
- `display: inline-block;`
- `height: 8px;`
- `position: absolute;`
- `top: 13px;`
- `right: 10px;`

An orange arrow points from the `background: url("../images/aclsprite.png")` line in the Computed Style panel to the `background` property in the HTML structure, highlighting the reference to the sprite image.

reference to a sprite img



The screenshot shows the Joomla! World Conference 2012 website. The browser's address bar displays `conference.joomla.org`. The navigation menu includes links for News, Tickets, Travel, Hotels, Speakers, Sponsors, Contact Us, and Banners. The main content area features a world map background with the text: "A worldwide event for Joomla!® developers, designers and end-users. 16th - 18th November 2012, San Jose, CA, USA". Below this is an orange "Purchase Tickets" button. Underneath the button are four social media icons: Twitter, Google+, Facebook, and LinkedIn. An orange arrow points from the text "button as css3 instead of image" to the Google+ icon. The "Sponsors" section lists four sponsors: SiteGround (Main Sponsor), MetaScale (Social Event), ebay (Social Event & Venue), and Joomla!ART (Video Sponsor). The footer contains the Joomla! logo and the text: "Joomla! is one of the most popular Content Management Systems in the world Join us for three days of information, discussion and new ideas. We have".

button as css3 instead of image

The screenshot shows the Joomla! World Conference 2012 website. The browser's address bar displays `conference.joomla.org`. The website's navigation bar includes links for News, Tickets, Travel, Hotels, Speakers, Sponsors, Contact Us, and Banners. The main content area features a world map background with the text: "A worldwide event for Joomla!® developers, designers and end-users. 16th - 18th November 2012, San Jose, CA, USA". A prominent orange button labeled "Purchase Tickets" is centered on the page. Below the button are social media icons for Twitter, Google+, Facebook, and LinkedIn. The Chrome DevTools interface is open at the bottom, showing the HTML and CSS of the page. The selected element is a button with the class `btn btn-warning btn-large` and href `/tickets.html`. The CSS rules for `.btn-warning` are visible on the right, showing a gradient background and a border.

Elements Resources Network Sources Timeline Profiles Audits Console

```
<!DOCTYPE html>
<html lang="en-gb" slick-uniqueid="3">
  <head>...</head>
  <body data-redering="true" data-offset="50" data-target=".subnav" data-spy="scroll" data-twtr-rendered="true">
    <!-- Navbar =====>
    <div class="container" id="top">...</div>
    <!-- Masthead =====>
    <div id="header">
      <header class="jumbotron masthead">
        <div class="inner">
          <h1>Joomla! World Conference</h1>
          <p>...</p>
          <p class="download-info">
            <a class="btn btn-warning btn-large" href="/tickets.html">...</a>
          </p>
          <div class="social-links">...</div>
        </div>
      </header>
    </div>
    <div class="container">...</div>
    <!-- /container -->
  </body>
</html>
```

```
.btn-warning {
  background-color: #FAA732;
  background-image: ms-linear-gradient(top, #FBB450, #F89406);
  background-image: webkit-gradient(linear, 0 0, 0 100%, from(#FBB450), to(#F89406));
  background-image: -webkit-linear-gradient(top, #FBB450, #F89406);
  background-image: -o-linear-gradient(top, #FBB450, #F89406);
  background-image: -moz-linear-gradient(top, #FBB450, #F89406);
  background-image: linear-gradient(top, #FBB450, #F89406);
  background-repeat: repeat-x;
  border-color: #F89406 #F89406 #AD6704;
  border-color: rgba(0, 0, 0, 0.1) rgba(0, 0, 0, 0.1) rgba(0, 0, 0, 0.25);
  filter: progid:dximagetransform.microsoft.gradient(startColorstr=#F89406, endColorstr=#F89406, GradientType=0);
  filter: progid:dximagetransform.microsoft.gradient(enabled=false);
}
```

html body div#header header.jumbotron.masthead div.inner p.download-info a.btn.btn-warning.btn-large em.icon-cart-large



Ultimate CSS Gradient Generator

A powerful Photoshop-like CSS gradient editor from ColorZilla.

For Firefox For Chrome Gradient Generator

Presets

Preview

Orientation: vertical Size: 370 x 50 ☐ IE

<http://www.colorzilla.com/gradient-editor/>

Stops

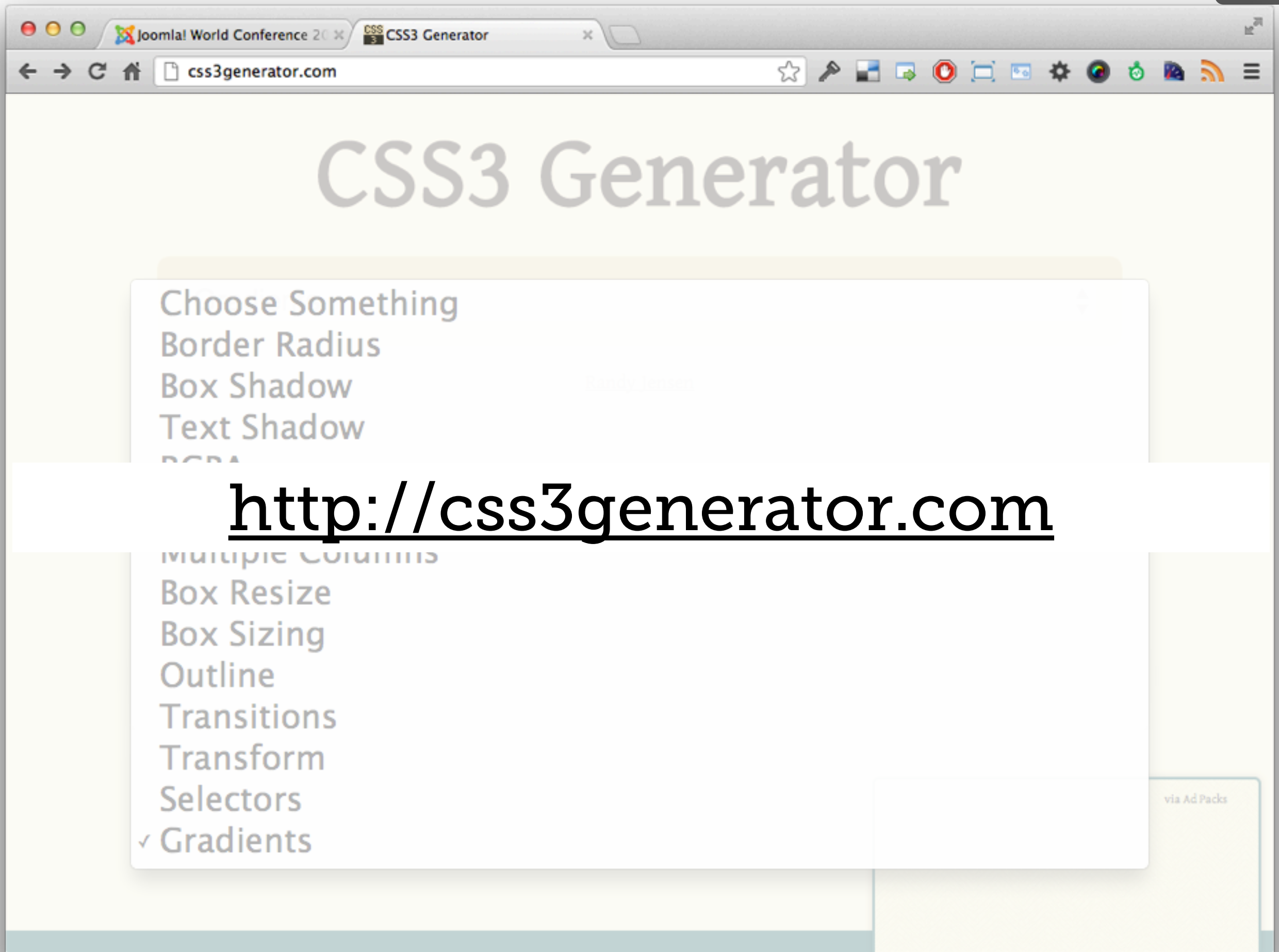
Opacity: Location: %

Color: Location: %

Adjustments

```
stop(50%,#2989d8), color-stop(51%,#207cca),
color-stop(100%,#7db9e8)); /* Chrome,Safari4+ */
background: -webkit-linear-gradient(top, #1e5799
0%,#2989d8 50%,#207cca 51%,#7db9e8 100%); /*
Chromel0+,Safari5.1+ */
background: -o-linear-gradient(top, #1e5799
0%,#2989d8 50%,#207cca 51%,#7db9e8 100%); /*
Opera 11.10+ */
background: -ms-linear-gradient(top, #1e5799
0%,#2989d8 50%,#207cca 51%,#7db9e8 100%); /*
IE10+ */
background: linear-gradient(to bottom, #1e5799
0%,#2989d8 50%,#207cca 51%,#7db9e8 100%); /* W3C
*/
filter: progid:DXImageTransform.Microsoft.gradient(
startColorstr='#1e5799',
endColorstr='#7db9e8',GradientType=0 ); /* IE6-9
*/
```

Color format: ☒ Comments ☐ IE9 Support (?)



<http://css3generator.com>

- 
- original image: 2.4MB
 - png-24: 387.9 KB
 - gif 256 colors: 164.3KB
 - png-8 256 colors: 139KB
 - jpg 60 quality: 99.46 KB

choose wisely



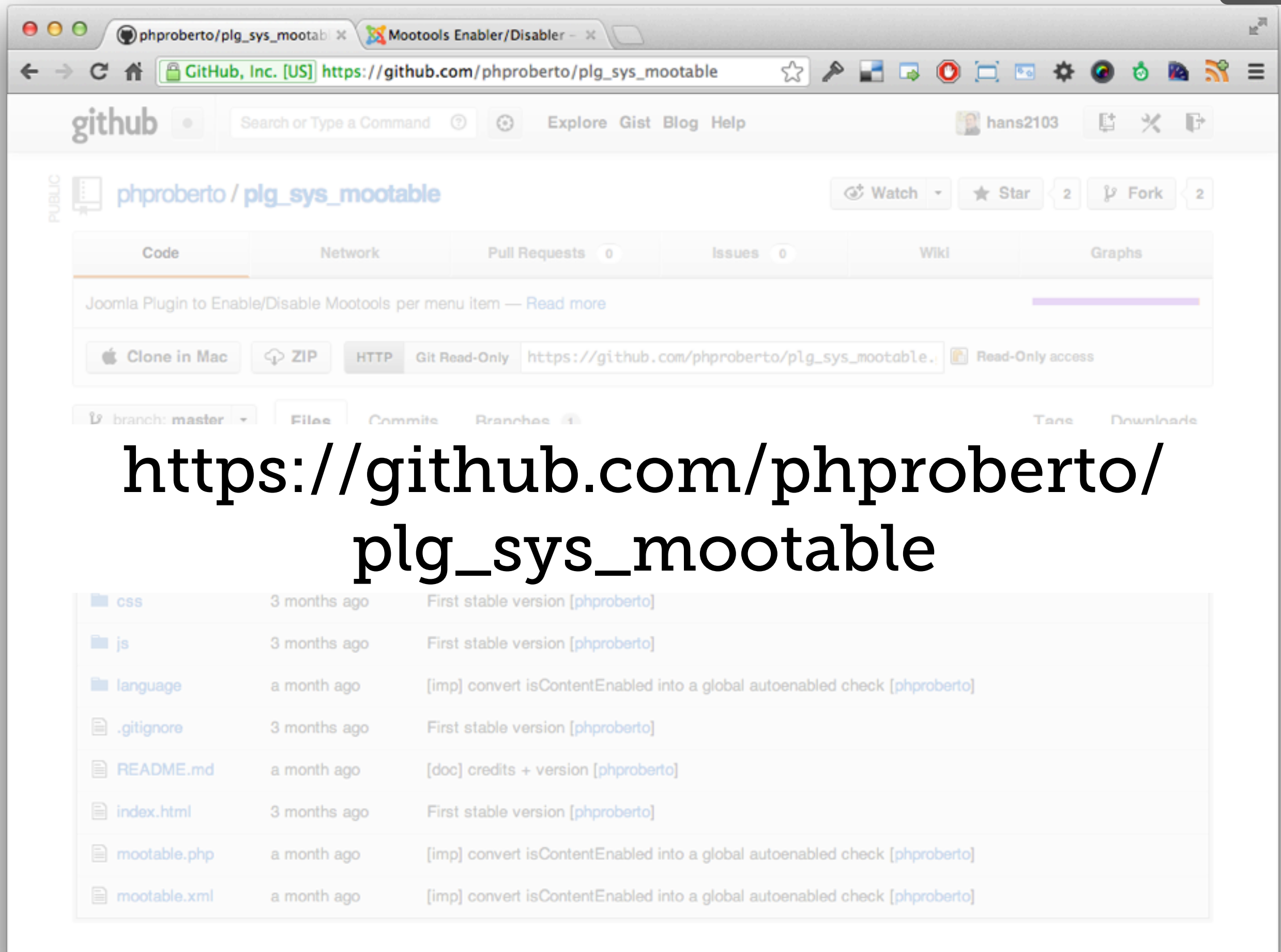
SJSHARKS.COM

Do you really need mootools?

if not... remove it

using Mootools Enabler/Disabler





github

Search or Type a Command

Explore Gist Blog Help

hans2103

PUBLIC phproberto / plg_sys_mootable

Watch Star 2 Fork 2

Code Network Pull Requests 0 Issues 0 Wiki Graphs

Joomla Plugin to Enable/Disable Mootools per menu item — [Read more](#)

Clone in Mac ZIP HTTP Git Read-Only https://github.com/phproberto/plg_sys_mootable Read-Only access

branch: master Files Commits Branches 1 Tags Downloads

https://github.com/phproberto/plg_sys_mootable

css	3 months ago	First stable version [phproberto]
js	3 months ago	First stable version [phproberto]
language	a month ago	[imp] convert isEnabled into a global autoenabled check [phproberto]
.gitignore	3 months ago	First stable version [phproberto]
README.md	a month ago	[doc] credits + version [phproberto]
index.html	3 months ago	First stable version [phproberto]
mootable.php	a month ago	[imp] convert isEnabled into a global autoenabled check [phproberto]
mootable.xml	a month ago	[imp] convert isEnabled into a global autoenabled check [phproberto]

Image Gallery MSnippets.net - Administration

www.msnippets.net/administrator/index.php?option=com_plugins&vie...

Administration Joomla!

Site Users Menus Content Components Extensions Help 0 Visitors 1 Admin 0 View Site Log out

Plug-in Manager: System - Mootools Enabler/Disabler

Save Save & Close Close Help

Details

System - Mootools Enabler/Disabler

Status: Enabled

Access: Public

Ordering: 0. System - Mootools Enabler/Disa...

Plug-in Type: system

Plug-in File: mootable

ID: 10004

Description:

Enable/disable Mootools per Itemid

By [Roberto Segura](#)

Basic Options

Default mode

☒ Enable Mootools only for specified items
☐ Disable Mootools only for specified items

Autoenabled components

Automatically enable Mootools when editing content

☐ No ☒ Yes

Joomla! 2.5.8



Image Gallery MSnippets.net - Administration

www.msnippets.net/administrator/index.php?option=com_menus&view...

Administration Joomla!

Site Users Menus Content Components Extensions Help 0 Visitors 1 Admin 0 View Site Log out

Menu Manager: Edit Menu Item

Save Save & Close Save & New Save as Copy Close Help

Details

Menu Item Type * Featured Articles Select

Menu Title * Home

Alias homepage

Note

Link index.php?option=com_content&view=featu

Status Published

Access Public

Menu Location * Main Menu

Parent Item Menu Item Root

Ordering Home

Target Window Parent

Default Page ☐ No ☒ Yes

Language All

Template Style - Use Default -

ID 435

Layout Options

Article Options

Integration Options

Link Type Options

Page Display Options

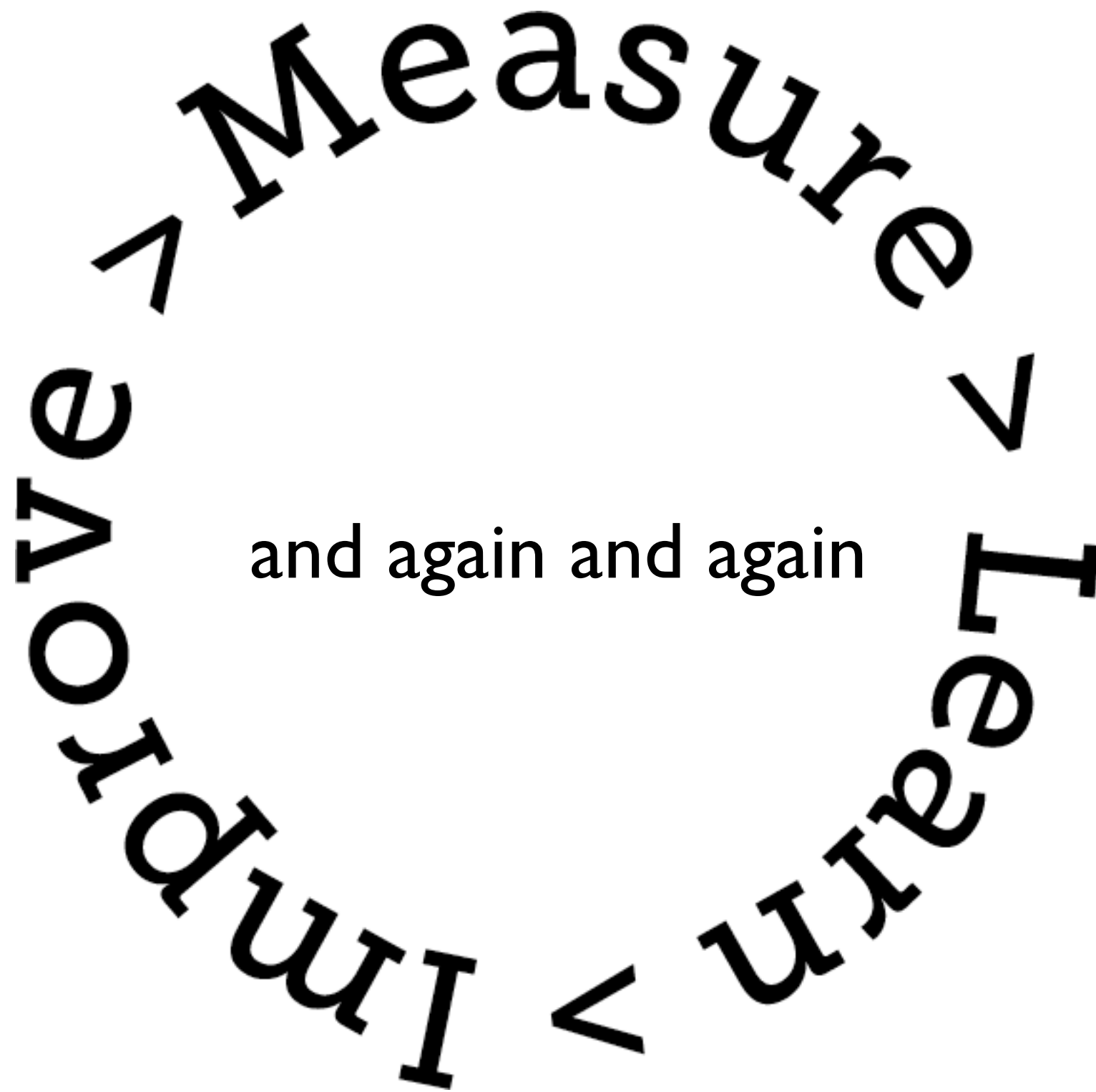
Metadata Options

Mootools enable/disable

Enable Mootools ☐ Yes ☒ No

Module Assignment for this Menu Item

set per menu item



Is a fast website important?

yes it is!



are there more things to improve?

yes there are... tons of books and
sites are written about it.

go out find them and enjoy
improving your site speed.



one more thing

- just seen at the presentation by Eli Aschkenasy



jproven - Joomla! extension

jproven.com/extensions/jbetolo

SUNDAY, 18 NOVEMBER 2012

jproven.com

HOME EXTENSIONS CONTACT

JBETOLO

jbetolo is a CSS/JS file merging, minimization and compression utility helping you optimize your site load.

If you need help let me know through [the contact form](#).

If you use jbetolo, please post a rating and a review at the [Joomla! Extensions Directory](#).

- ≡ Description
- ≡ Download
- ≡ Usage
- ≡ Readings
- ≡ The name
- ≡ Roadmap
- ≡ Change log
- ≡ Attribution
- ≡ License

thank you for your time and have fun

<http://about.me/hans2103>



hans2103

<http://slideshare.net/hans2103>

<http://www.flickr.com/photos/trasimac/1217071176>

