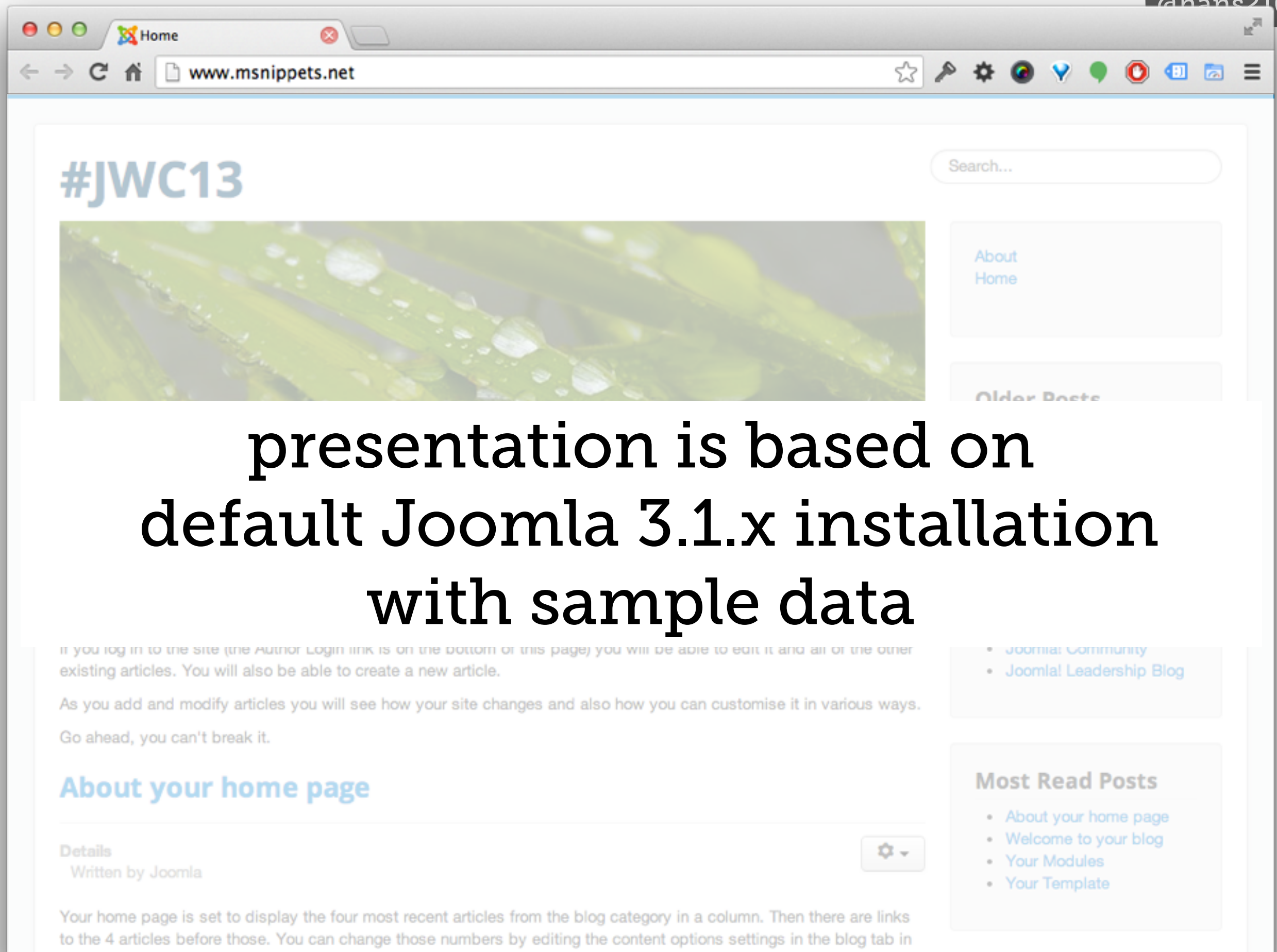




Site Performance Optimization

Hans Kuijpers
@hans2103
slideshare.net/hans2103





Home Latest Performance Report

gtmetrix.com/reports/msnippets.net/z2zotw6k

GTmetrix Login | Sign Up

Home Features Recommendations Top 1000 FAQ API Locations Contact GTmetrix PRO

#JWC13

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

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

Report generated: Wed, Nov 6, 2013, 7:24 PM -0800
Test Server Region: Vancouver, Canada
Using: Firefox (Desktop) 14.0.1, Page Speed 1.12.16, YSlow 3.1.7

[Download PDF](#)

Looks like you might not be using a CDN
[Why should I use a CDN? »](#)

Summary

Page Speed Grade: **F** (44%)↓
YSlow Grade: **C** (74%)↑
Page load time: 3.70s
Total page size: 455KB
Total number of requests: 16

Breakdown

Page Speed YSlow Timeline History

RECOMMENDATION	GRADE	TYPE	PRIORITY
Enable gzip compression	F (0)	Server	High
Leverage browser caching	F (7)	Server	High
Specify a Vary: Accept-Encoding header	F (23)	Server	High
Minify CSS	D (67)	CSS	High
Defer parsing of JavaScript	C (70)	JS	High
Minify HTML	C (77)	Content	High
Inline small JavaScript	C (78)	JS	High



connection to server
use ping to measure



ping msnippets.net

```
hans2103 — bash — 80x24
Hanss-MacBook-Pro:~ hans2103$ ping msnippets.net
PING msnippets.net (46.21.224.8): 56 data bytes
64 bytes from 46.21.224.8: icmp_seq=0 ttl=55 time=18.530 ms
64 bytes from 46.21.224.8: icmp_seq=1 ttl=55 time=19.165 ms
64 bytes from 46.21.224.8: icmp_seq=2 ttl=55 time=16.488 ms
64 bytes from 46.21.224.8: icmp_seq=3 ttl=55 time=15.688 ms
64 bytes from 46.21.224.8: icmp_seq=4 ttl=55 time=16.456 ms
^C
--- msnippets.net ping statistics ---
5 packets transmitted, 5 packets received, 0.0% packet loss
round-trip min/avg/max/stddev = 15.688/17.265/19.165/1.338 ms
Hanss-MacBook-Pro:~ hans2103$
```



ping joomla.org

```
hans2103 — bash — 80x24
Hanss-MacBook-Pro:~ hans2103$ ping joomla.org
PING joomla.org (72.249.159.57): 56 data bytes
64 bytes from 72.249.159.57: icmp_seq=0 ttl=46 time=141.451 ms
64 bytes from 72.249.159.57: icmp_seq=1 ttl=46 time=137.548 ms
64 bytes from 72.249.159.57: icmp_seq=2 ttl=46 time=136.628 ms
64 bytes from 72.249.159.57: icmp_seq=3 ttl=46 time=135.748 ms
64 bytes from 72.249.159.57: icmp_seq=4 ttl=46 time=141.185 ms
^C
--- joomla.org ping statistics ---
5 packets transmitted, 5 packets received, 0.0% packet loss
round-trip min/avg/max/stddev = 135.748/138.512/141.451/2.362 ms
Hanss-MacBook-Pro:~ hans2103$
```

from The Netherlands



ping joomla.org

```
hans2103 — bash — 80x24
hanss-mbp:~ hans2103$ ping joomla.org
PING joomla.org (72.249.159.57): 56 data bytes
64 bytes from 72.249.159.57: icmp_seq=0 ttl=50 time=48.647 ms
64 bytes from 72.249.159.57: icmp_seq=1 ttl=50 time=51.862 ms
64 bytes from 72.249.159.57: icmp_seq=2 ttl=50 time=53.788 ms
64 bytes from 72.249.159.57: icmp_seq=3 ttl=50 time=47.057 ms
64 bytes from 72.249.159.57: icmp_seq=4 ttl=50 time=47.289 ms
^C
--- joomla.org ping statistics ---
5 packets transmitted, 5 packets received, 0.0% packet loss
round-trip min/avg/max/stddev = 47.057/49.729/53.788/2.657 ms
hanss-mbp:~ hans2103$
```

from Boston HMS



conclusion
different server means different
connection time
and
location of server matters



website files

HTML, PHP, etc.

Database

CSS

Images

JavaScript



tools for testing



URL: <http://msnippets.net/>

Share

F Configure entity tags (ETags)

Copyright © 2013 Yahoo! Inc. All rights reserved.

YSlow

The screenshot shows a web browser window with the address bar displaying `msnippets.net`. The page content includes a large heading `#JWC13`, a search bar, a large image of green grass with water droplets, and a welcome message `Welcome to your blog`. On the right side, there are links for `About Home` and a list of `Older Posts` including `Welcome to your blog`, `About your home page`, `Your Template`, and `Your Modules`.

Below the browser window, the PageSpeed Insights tool is open, showing the `Overview` tab. The `Suggestion Summary` section lists four key recommendations:

- Fast server response (1)**
Improve server response...
- Reduce blocking resources (2)**
Inline Small JavaScript
Optimize the order of styles and scripts
- Minimize payload (3)**
Enable compression
Minify CSS
- Minimize delay in page load**
Specify image dimensions

A red banner with the text `PageSpeed` is overlaid on the right side of the PageSpeed tool.

PageSpeed Insights 1.337

msnippets.net **ANALYSEREN**

Mobiel 58 / 100 **Desktop** 67 / 100

Overzicht van suggesties

- JavaScript en CSS in inhoud boven de vouw die het weergeven blokkeren, verwijderen**
Uw pagina heeft 7 blokkerende scriptbronnen en 2 blokkerende CSS-bronnen. Dit veroorzaakt vertraging bij het weergeven van uw pagina.
- Comprimeren inschakelen**
Wanneer u bronnen comprimeert met `gzip` of `deflate` bytes worden verlaagd dat via het netwerk wordt verzonden.
- Gebruikmaken van browsercaching**
Wanneer u in HTTP-headers een vervaldatum of maximale leeftijd voor statische bronnen instelt, geeft u de browser opdracht eerder gedownloade bronnen van de lokale schijf te gebruiken in plaats van deze via het netwerk te laden.

PageSpeed Insights

Latest Performance Report

gtmetrix.com/reports/msnippets.net/ttFW0IAs

Login | Sign Up

Home | Features | Recommendations | Top 1000 | FAQ | API | Locations | Contact

GTmetrix PRO

#JWC13

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

Report generated: Sun, Nov 3, 2013, 3:37 PM -0800
Test Server Region: Vancouver, Canada
Using: Firefox (Desktop) 14.0.1, Page Speed 1.12.16, YSlow 3.1.7

[Download PDF](#)

Looks like you might not be using a CDN
[Why should I use a CDN? »](#)

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:
(43%)↓
F

YSlow Grade:
(75%)↓
C

Page load time: 3.49s
Total page size: 452KB
Total number of requests: 16

Breakdown

Page Speed

YSlow

Timeline

History

RECOMMENDATION	GRADE	TYPE	PRIORITY
Enable gzip compression	F (0)	↓	High
Leverage browser caching	F (9)	↓	High
Specify a Vary: Accept-Encoding header	F (27)	↓	High
Minify CSS	D (67)	↓	High
Defer parsing of JavaScript	C (71)	↑	High
Inline small JavaScript	C (72)	↓	High
Minify HTML	C (77)	↓	High



Website speed test

tools.pingdom.com/fpt/#!/dhAKJ9/msnippets.net

pingdom ^{TOOLS}

Full Page Test DNS Health Ping and Traceroute Sign up

Pingdom Website Speed Test

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

msnippets.net **Test Now**

Settings ▼

feedback



msnippets.net

Tested from Amsterdam, Netherlands on November 4 at 00:39:09

Perf. grade 72 /100	Requests 14	Load time 1.79s	Page size 438.8kB
-------------------------------	-----------------------	---------------------------	-----------------------------

Your website is faster than **74%** of all tested websites

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

Waterfall Performance Grade Page Analysis History

pingdom

404 - not found

use Inspect Element
to find and solve



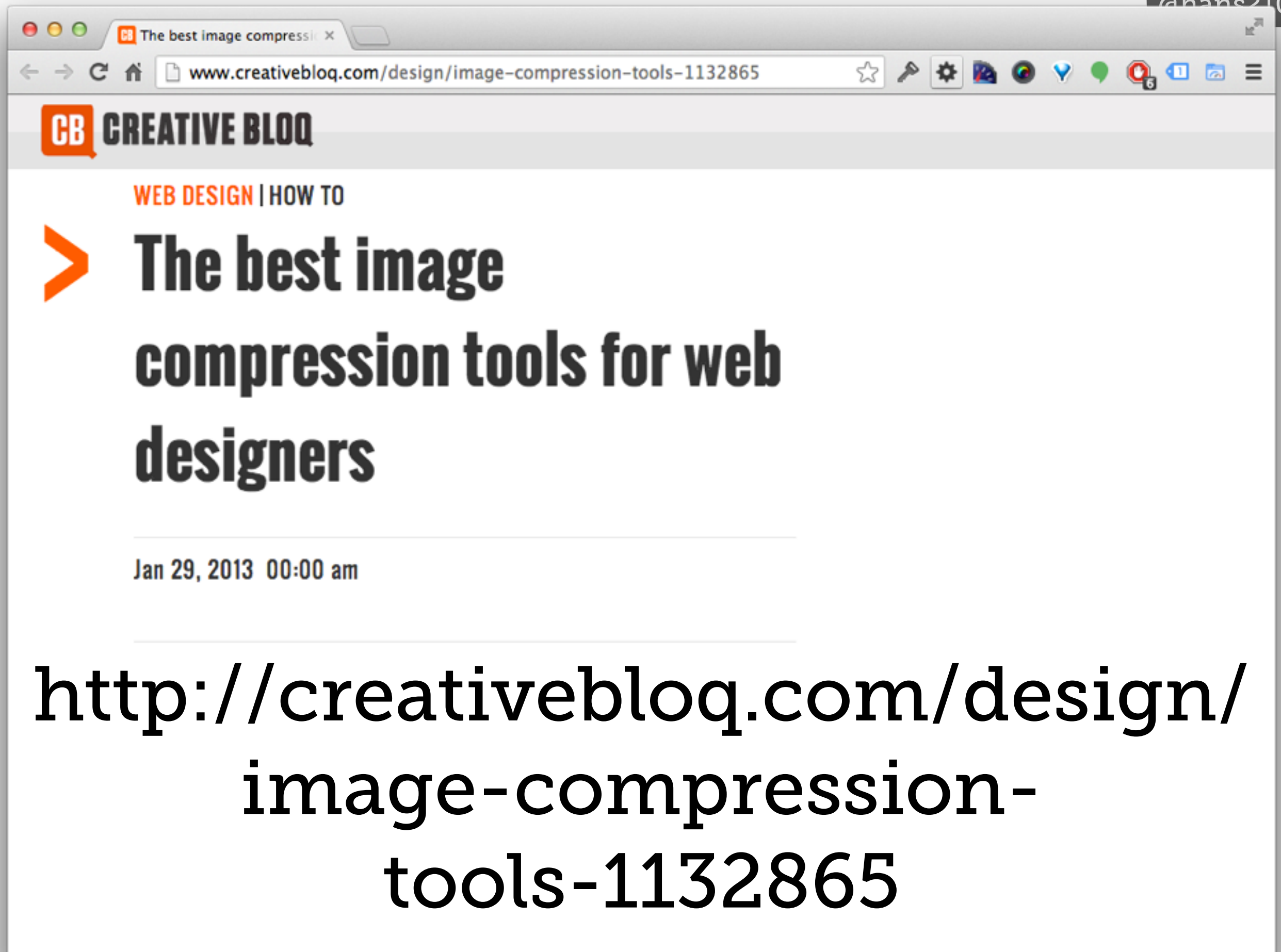
The screenshot shows a web browser window with the address bar displaying `msnippets.net`. The page content includes a header with `#JWC13`, a large image of green grass with water droplets, and a "Welcome to your blog" message. A sidebar on the right contains a search bar, "About Home" link, and "Older Posts" section with links to "Welcome to your blog", "About your home page", "Your Template", and "Your Modules".

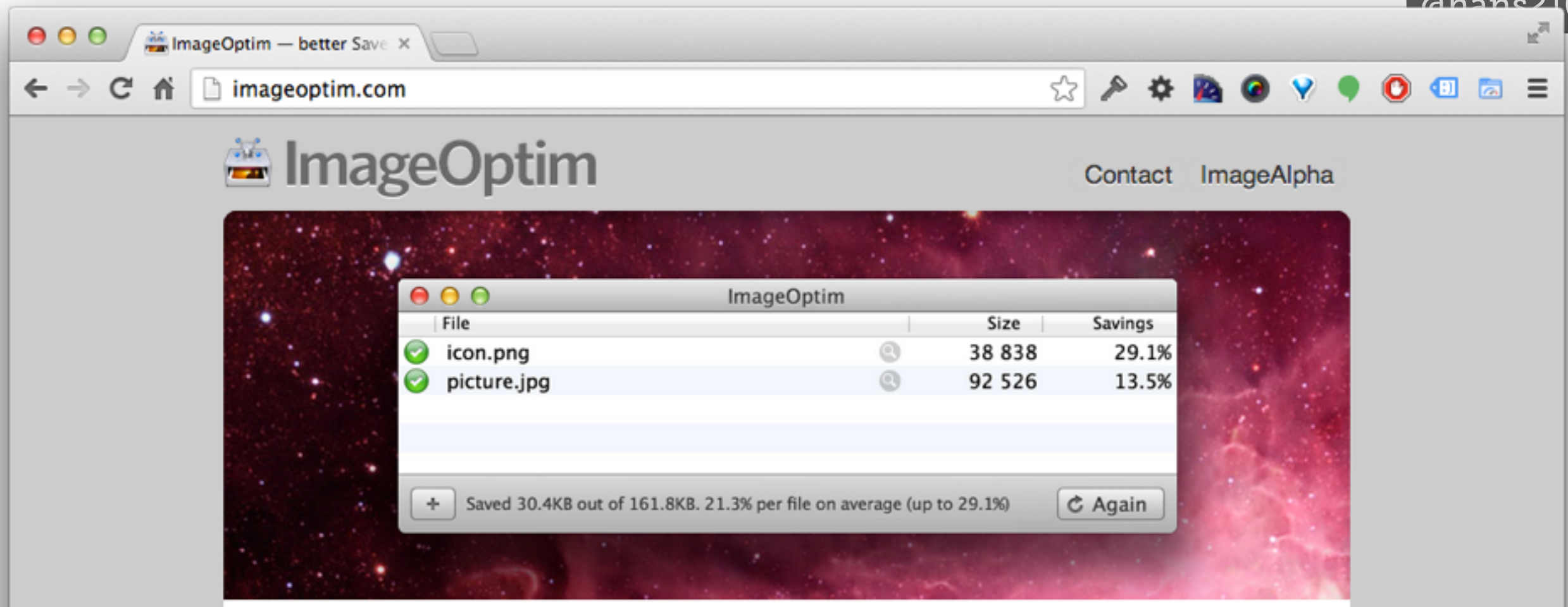
The browser's developer console is open, showing a red error message: "Failed to load resource: the server responded with a status of 404 (Not Found)" for the file `http://msnippets.net/templates/protostar/css/zombie.css`. The console tabs at the top include Elements, Resources, Network, Sources, Timeline, Profiles, Audits, and Console. The bottom status bar shows a filter icon, a search icon, a close icon, and a summary of 1 error and 1 warning.

find and solve broken links

Optimize and combine images







imageoptim.com

ImageOptim seamlessly integrates best optimisation 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

Version 1.4.5
Mac OS X 10.6-10.9

- ↓ [Leopard \(10.5\)](#) version
- 🕒 [Changelog](#)
- 📄 [Report bugs](#)
- 📄 [Source code](#)
- 📄 [Donate](#)

Available in:
English, French,
German, Spanish,
Portuguese, Italian,
Dutch, Norwegian.



use Command line Interface to optimize images



Optimize your JPG's with JpegOptim

```
$ find path/to/images/ -iname *.jpg  
-exec jpegoptim --strip-all -p {} \;
```



Optimize your PNG's with OptiPNG

```
$ find path/to/images/ -iname *.png  
-exec optipng -o7 -preserve {} \;
```



```
#!/bin/bash
# convertImages.sh
# Author: Peter Jaap Blaakmeer (elgentos.nl)
# https://gist.github.com/peterjaap/7080989
```

```
NEWQUALITY=80
NEWSIZE=1000
DIRECTORY=media/catalog/product/
du -hs $DIRECTORY

for f in $(find $DIRECTORY -type f);
do
    WIDTH=`identify -format '%w' $f | tr -d "\r\n"`;

    if [ $WIDTH -gt $NEWSIZE ]; then
        SIZEBEFORE=`ls -lah $f | awk '{ print $5}'`;
        convert $f -resize $NEWSIZE -quality $NEWQUALITY $f;
        SIZEAFTER=`ls -lah $f | awk '{ print $5}'`;
        echo "$f has been converted - from ${SIZEBEFORE} to ${SIZEAFTER}";
    fi
done
```





The screenshot shows a web browser window with the URL www.aclmanager.net. The page features a navigation bar with links for Features, Subscribe, Blog, Members, Support, and a language dropdown set to English. The main heading is "ACL Manager for Joomla!®". Below it, the text describes the tool as a way to easily manage Joomla permissions using a clickable grid. It also mentions an overview of ACL settings and a Joomla assets table. A large graphic of a padlock with a "2012 AND BEYOND" award badge is shown on the right. The badge text includes "AN INTERNATIONAL JOOMLA!™ CONFERENCE" and "Winner of J!OSCAR Award". At the bottom left, a diagram shows a "User" icon pointing to a "User Groups" icon. The footer contains the link www.aclmanager.net/subscribe/1-year/new.

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.

use sprite images

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.

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.

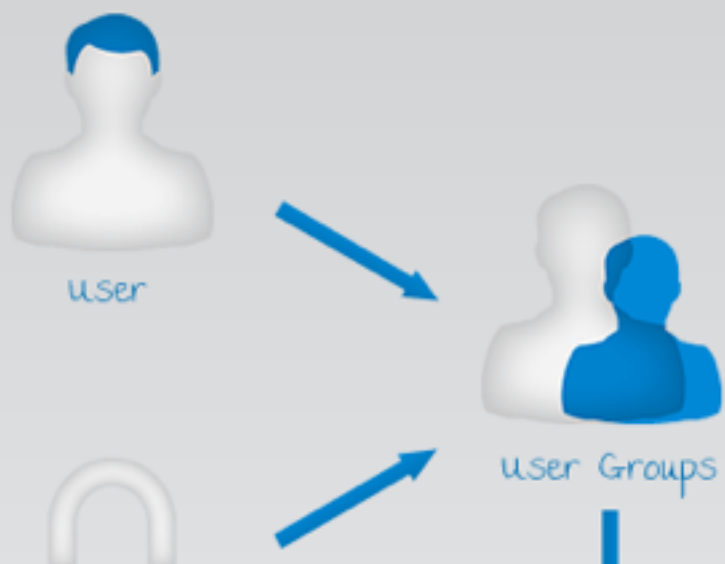
Demo Subscribe now

2012 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.



The screenshot shows the ACL Manager for Joomla! website in a browser. The page title is "ACL Manager for Joomla!®". The main heading is "ACL Manager for Joomla!®". Below it, the text says "Easily manage the permissions of Joomla websites with the clickable permission grid of the award winning ACL Manager." and "A great overview of all Joomla ACL settings and discover & fix issues". There is a large padlock icon on the right side of the page. A language dropdown menu is open, showing options: English, Deutsch, Español, Italiano, and Nederlands. The browser's developer tool is open, showing the HTML structure and the Computed Style for the selected element. The HTML structure shows a language list with "English" selected. The Computed Style shows the background image as a sprite: `background: url("../images/aclsprite.png") no-repeat scroll 0 0 transparent;`. An orange arrow points from the text "reference to a sprite img" to the `url("../images/aclsprite.png")` in the CSS.

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

ACL Manager for Joomla!

Features Subscribe Blog Members Support

English Deutsch Español Italiano Nederlands

Elements Resources Network Sources Timeline Profiles Audits Console

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en" lang="en" dir="ltr">
  <head>...</head>
  <body>
    <div id="header">
      <div class="gradient">
        <div class="inner">
          <a id="page-top" name="page-top"></a>
          <div class="lft">...</div>
          <div class="rgt">
            <div id="languages">
              <ul class="languages">
                <li>
                  <a class="selected lang-en">
                    "English"
                  <span class="downar"
                </a>
              </li>
            </ul>
          </div>
        </div>
      </div>
    </div>
  </body>
</html>
```

Computed Style

Styles

element.style {

}

Matched CSS Rules

media="screen" http://www.aclmanager.net/aclmanager.css:4379

.downarrow {

background: url("../images/aclsprite.png") no-repeat scroll 0 0 transparent;

display: inline-block;

height: 8px;

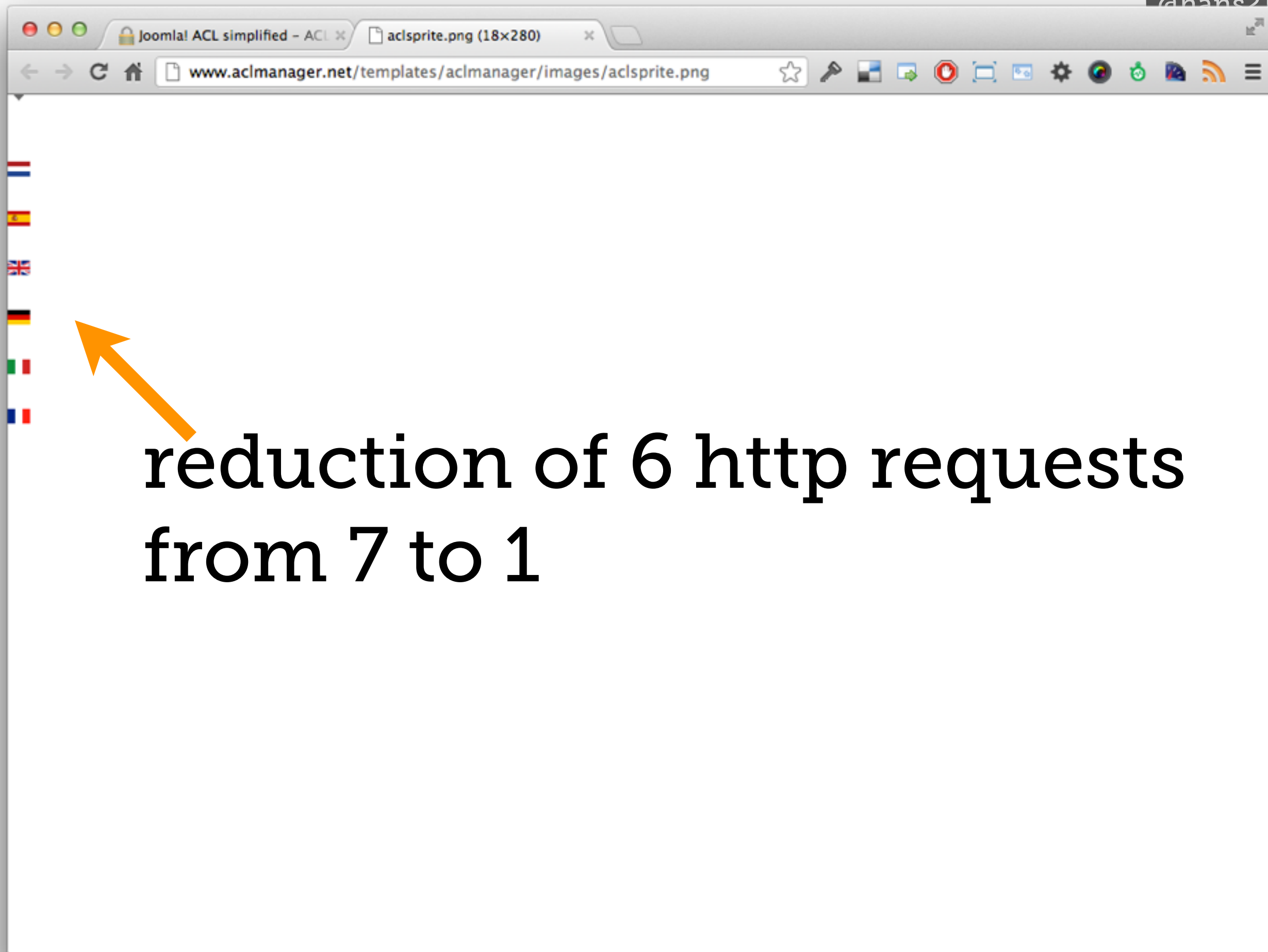
position: absolute;

top: 13px;

right: ...

reference to a sprite img

span.downarrow



reduction of 6 http requests
from 7 to 1

Retina revolution

www.netvlies.nl/blog/design-interactie/retina-revolution

Netvlies online business partner

home werk over ons blog vacatures⁴ contact

Alles | Nieuws | Design & interactie | Marketing & strategie | Techniek & code

Tweeten 1.314 +1 173 Vind ik leuk 9

Retina revolution

Geplaatst op: 27 juli 2012 door: [Daan Jobsis](#)

The devil is in the details

Detail is probably one of the most important values for a designer, an eye for detail should be in our DNA. As a perfectionist I like my designs to be pixel perfect. I am allergic for "jaggies" and ugly compressed artifacts in icons and images on websites. Apple's Retina revolution is an interesting evolution that is turning the design world upside down. The Retina display has a high enough pixel density to prevent pixelation to be noticable to the human eye. Therefore a Retina display is a lot sharper and more pleasant to look at. Apple has doubled the amount of horizontal and vertical pixels on the iPhone, The New iPad, and now also



Daan Jobsis
Design

Google for: Retina Revolution

Image Manager Extended

File Browser

Root (3 folders, 4 files)

Folders	Name	Details
Root		
+	banners	
+	headers	
+	sampledata	

Upload

The-Walking-Dead-Comic-the-walking-dead-17116734-1024-768.jpg 100 KB

check **fill** **empty**

☒ Resize Width 800 px Height px

☐ Thumbnail Width 120 px Height 90 px ☐ Crop To Fit

Browse Upload Close

#JWC13 - Administration

[www.msnippets.net/administrator/index.php?option=com_content&view=a...](#)

System Users Menus Content Components Extensions Help

Article

Save

Title *

Content

[Toggle Editor]

B I S

View Site 0

Image Manager Extended

File Browser

Root (3 folders, 5 files)

Folders

Root

banners

headers

sampladata

Name

banners

headers

sampladata

joomla_black.gif

joomla_green.gif

joomla_logo_black.jpg

powered_by.png

The-Walking-Dead-Comic-the-w...

Details

The-Walking-Dead-Comic-the-...

jpg File

Size: 76.8 KB

Modified: 06/11/2013, 20:05

Dimensions: 800 x 600

Preview:



Show All

Image Rollover Advanced Popups

Properties

URL

images/The-Walking-Dead-Comic-the-walking-dead-17116734-1024-

Alternate Text

The-Walking-Dead-Comic-the-walking-dead-17116734-1024-768

Dimensions

800 x 600

☒ Proportional

Alignment

--Not Set--

Clear

--Not Set--

Margin

Top

Right

Bottom

Left

☒ Equal Values

Border

☐ Width

1

Style

solid

Colour

#000000

Preview



Lorem ipsum

dolor sit amet, consetetur

sadipscing elitr, sed diam

nonumy eirmod tempor invidunt

ut labore et dolore magna

alliquyam erat, sed diam

voluptua.

Refresh

Insert

Cancel





1024px x 768px

THE WALKING DEAD



1024px x 768px

Minify, Combine & Compress Files



Home

www.msniipets.net

#JWC13



Search...

About Home

Older Posts

- [Welcome to your blog](#)
- [About your home page](#)
- [Your Template](#)
- [Your Modules](#)

Blog Roll

- [Joomla! Community](#)
- [Joomla! Leadership Blog](#)

Most Read Posts

- [About your home page](#)
- [Welcome to your blog](#)
- [Your Modules](#)
- [Your Template](#)

Welcome to your blog

Details 

Written by Joomla

This is a sample blog posting.

If you log in to the site (the Author Login link is on the bottom of this page) you will be able to edit it and all of the other existing articles. You will also be able to create a new article.

As you add and modify articles you will see how your site changes and also how you can customise it in various ways.

Go ahead, you can't break it.

About your home page

Details 

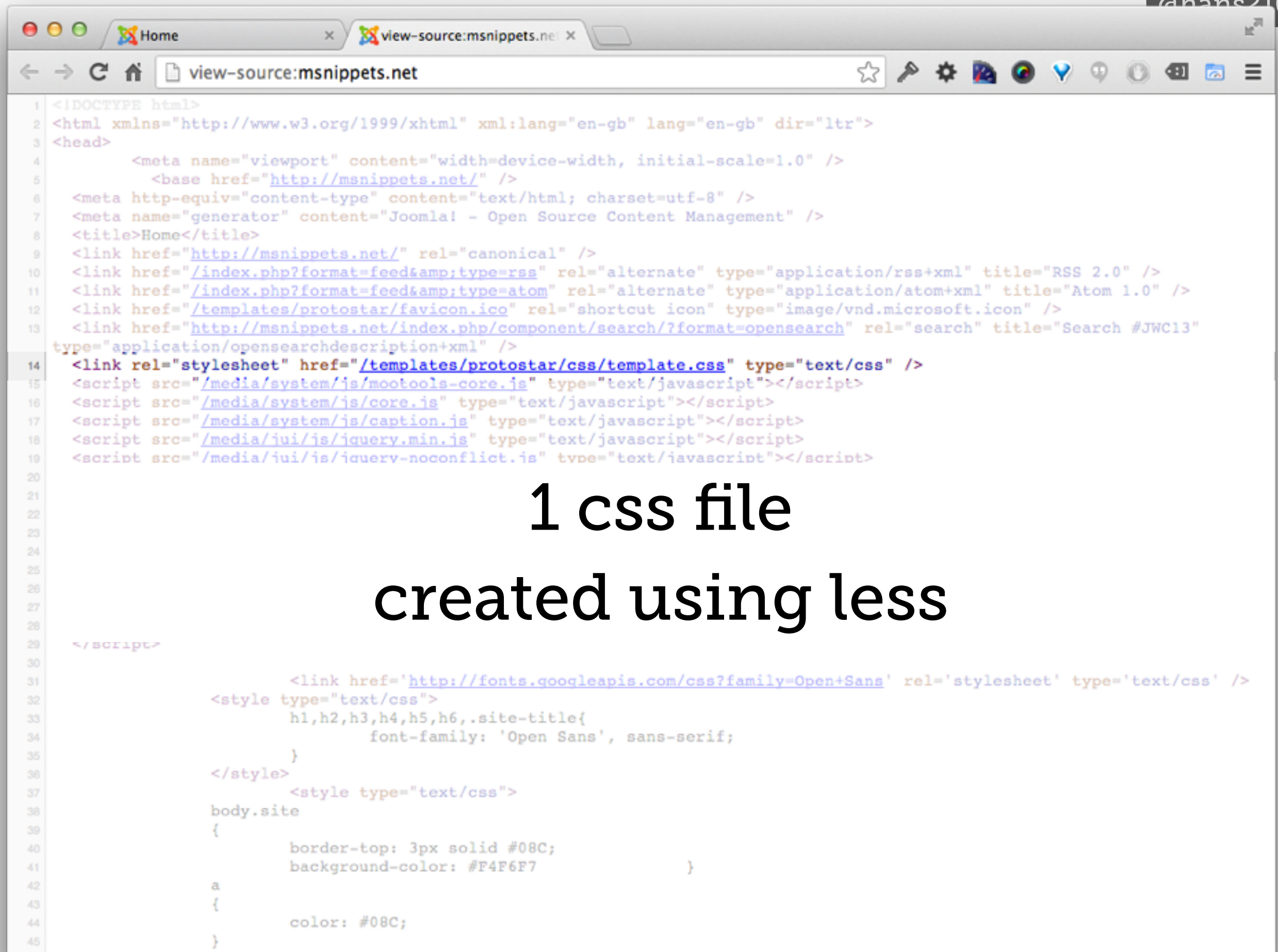
Written by Joomla

Your home page is set to display the four most recent articles from the blog category in a column. Then there are links to the 4 articles before those. You can change those numbers by editing the content options settings in the blog tab in

```

1 <!DOCTYPE html>
2 <html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en-gb" lang="en-gb" dir="ltr">
3 <head>
4     <meta name="viewport" content="width=device-width, initial-scale=1.0" />
5     <base href="http://msnippets.net/" />
6     <meta http-equiv="content-type" content="text/html; charset=utf-8" />
7     <meta name="generator" content="Joomla! - Open Source Content Management" />
8     <title>Home</title>
9     <link href="http://msnippets.net/" rel="canonical" />
10    <link href="/index.php?format=feed&type=rss" rel="alternate" type="application/rss+xml" title="RSS 2.0" />
11    <link href="/index.php?format=feed&type=atom" rel="alternate" type="application/atom+xml" title="Atom 1.0" />
12    <link href="/templates/protostar/favicon.ico" rel="shortcut icon" type="image/vnd.microsoft.icon" />
13    <link href="http://msnippets.net/index.php/component/search/?format=opensearch" rel="search" title="Search #JWC13"
type="application/opensearchdescription+xml" />
14    <link rel="stylesheet" href="/templates/protostar/css/template.css" type="text/css" />
15    <script src="/media/system/js/mootools-core.js" type="text/javascript"></script>
16    <script src="/media/system/js/core.js" type="text/javascript"></script>
17    <script src="/media/system/js/caption.js" type="text/javascript"></script>
18    <script src="/media/jui/js/jquery.min.js" type="text/javascript"></script>
19    <script src="/media/jui/js/jquery-noconflict.js" type="text/javascript"></script>
20    <script src="/media/jui/js/bootstrap.min.js" type="text/javascript"></script>
21    <script src="/templates/protostar/js/template.js" type="text/javascript"></script>
22    <script type="text/javascript">
23    window.addEvent('load', function() {
24        new JCaption('img.caption');
25    });jQuery(document).ready(function()
26    {
27        jQuery('.hasTooltip').tooltip({"container": false});
28    });
29    </script>
30
31    <link href='http://fonts.googleapis.com/css?family=Open+Sans' rel='stylesheet' type='text/css' />
32    <style type="text/css">
33        h1,h2,h3,h4,h5,h6,.site-title{
34            font-family: 'Open Sans', sans-serif;
35        }
36    </style>
37    <style type="text/css">
38    body.site
39    {
40        border-top: 3px solid #08C;
41        background-color: #F4F6F7    }
42
43    a
44    {
45        color: #08C;

```



```
1 <!DOCTYPE html>
2 <html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en-gb" lang="en-gb" dir="ltr">
3 <head>
4     <meta name="viewport" content="width=device-width, initial-scale=1.0" />
5     <base href="http://msnippets.net/" />
6     <meta http-equiv="content-type" content="text/html; charset=utf-8" />
7     <meta name="generator" content="Joomla! - Open Source Content Management" />
8     <title>Home</title>
9     <link href="http://msnippets.net/" rel="canonical" />
10    <link href="/index.php?format=feed&type=rss" rel="alternate" type="application/rss+xml" title="RSS 2.0" />
11    <link href="/index.php?format=feed&type=atom" rel="alternate" type="application/atom+xml" title="Atom 1.0" />
12    <link href="/templates/protostar/favicon.ico" rel="shortcut icon" type="image/vnd.microsoft.icon" />
13    <link href="http://msnippets.net/index.php/component/search/?format=opensearch" rel="search" title="Search #JWC13"
type="application/opensearchdescription+xml" />
14    <link rel="stylesheet" href="/templates/protostar/css/template.css" type="text/css" />
15    <script src="/media/system/js/mootools-core.js" type="text/javascript"></script>
16    <script src="/media/system/js/core.js" type="text/javascript"></script>
17    <script src="/media/system/js/caption.js" type="text/javascript"></script>
18    <script src="/media/jui/js/jquery.min.js" type="text/javascript"></script>
19    <script src="/media/jui/js/jquery-noconflict.js" type="text/javascript"></script>
20
21
22
23
24
25
26
27
28
29
30
31    <link href='http://fonts.googleapis.com/css?family=Open+Sans' rel='stylesheet' type='text/css' />
32    <style type="text/css">
33        h1,h2,h3,h4,h5,h6,.site-title{
34            font-family: 'Open Sans', sans-serif;
35        }
36    </style>
37    <style type="text/css">
38    body.site
39    {
40        border-top: 3px solid #08C;
41        background-color: #F4F6F7
42    }
43
44    a
45    {
46        color: #08C;
47    }
```

1 css file
created using less

The example needs more 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, the text 'You are here: Home' is displayed. 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 the text: '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.' Below this are three sections: 'Beginners', 'Upgraders', and 'Professionals'. The 'Beginners' section says: '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'. The 'Upgraders' section says: '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'. The 'Professionals' section says: '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!

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.

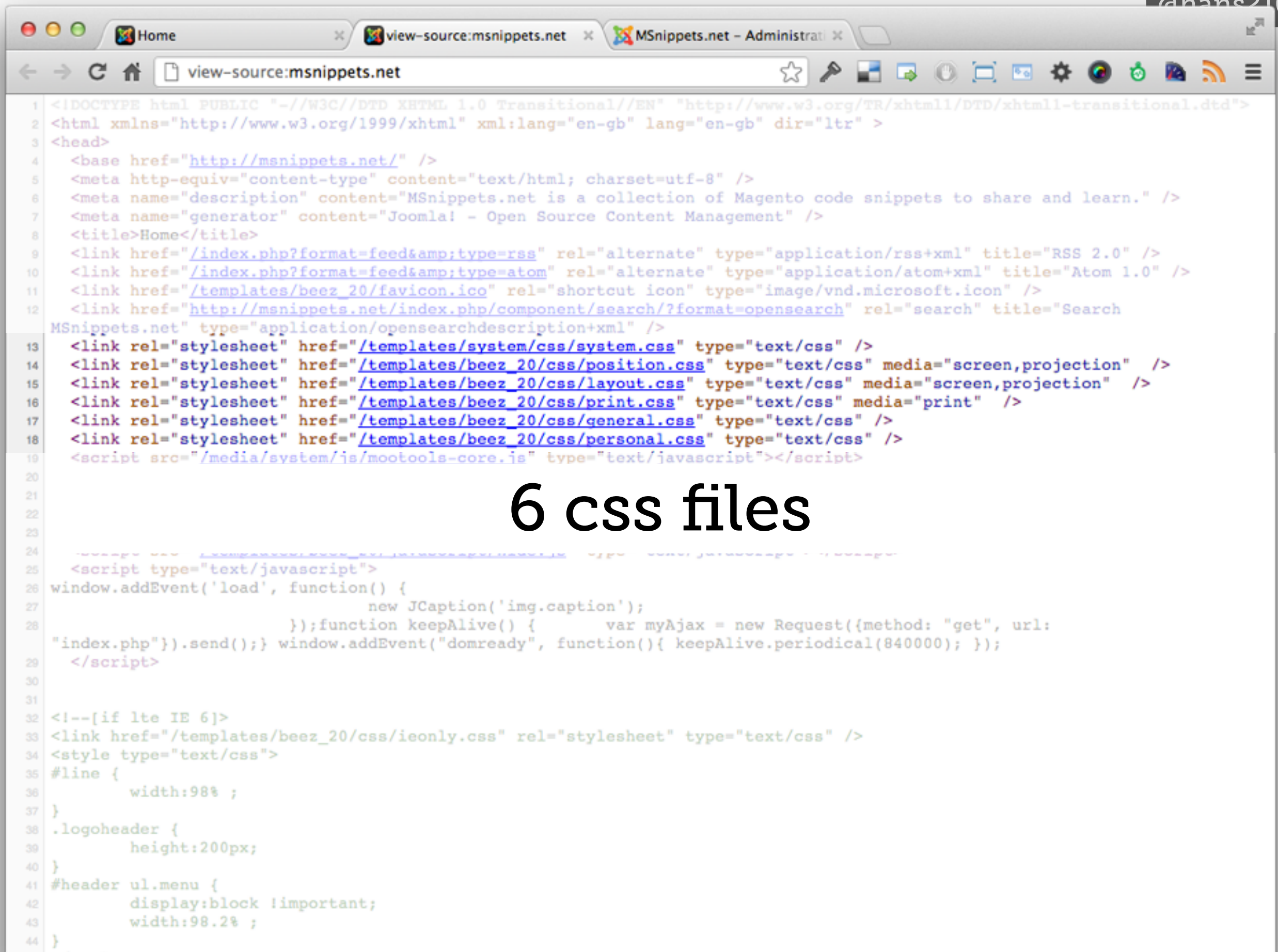
Start off using your site by logging

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.addEvent('load', function() {
27      new JCaption('img.caption');
28      });function keepAlive() { var myAjax = new Request({method: "get", url:
"index.php"}).send();} window.addEvent("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/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
15
16
17
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  <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/bee2_20/javascript/md_stylechanger.js" type="text/javascript"></script>
24  <script src="/templates/bee2_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/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 js files

ScriptMerge - Joomla! extension

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

Forum | Blog | Connect | Login

Site search SEARCH

YIREO

HOME JOOMLA EXTENSIONS JOOMLA TUTORIALS JOOMLA SERVICES

You are here: Home > Extensions > 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.

FEATURES CHOOSE YOUR PACKAGE



Overview

Changelog

Screenshots

Features

Packages

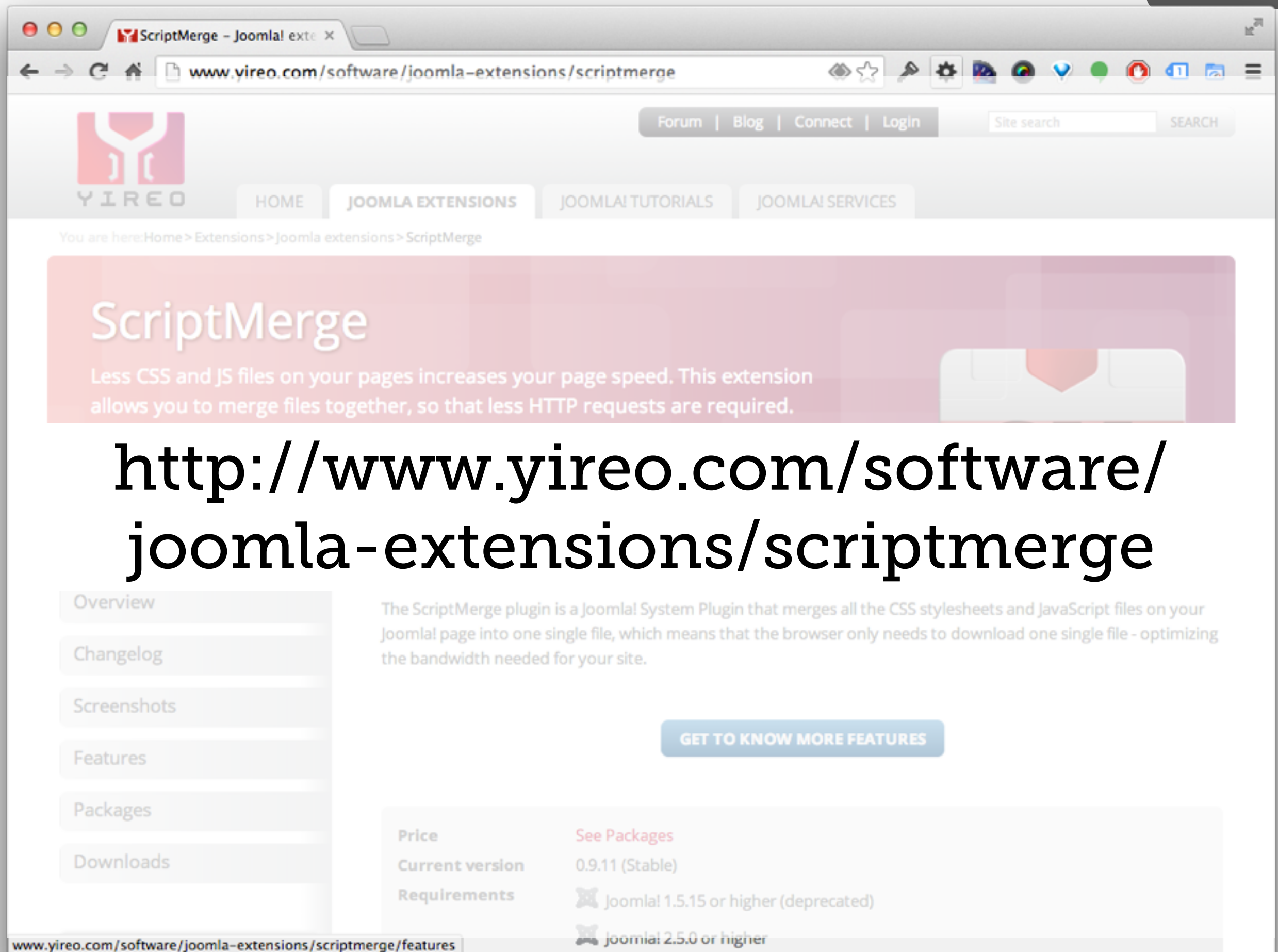
Downloads

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.

GET TO KNOW MORE FEATURES

Price	See Packages
Current version	0.9.11 (Stable)
Requirements	 Joomla! 1.5.15 or higher (deprecated)
	 Joomla! 2.5.0 or higher

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



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 for Forum, Blog, Connect, and Login. A search bar is also present. The main content area highlights the ScriptMerge extension with 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, a large URL is displayed: <http://www.yireo.com/software/joomla-extensions/scriptmerge>. A sidebar on the left contains links for Overview, Changelog, Screenshots, Features, Packages, and Downloads. The main content area also includes a "GET TO KNOW MORE FEATURES" button and a table with details about the extension's price, current version, and requirements.

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

Overview

Changelog

Screenshots

Features

Packages

Downloads

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.

[GET TO KNOW MORE FEATURES](#)

Price	See Packages
Current version	0.9.11 (Stable)
Requirements	 Joomla! 1.5.15 or higher (deprecated)
	 Joomla! 2.5.0 or higher

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

HomeMSnippets.net - Administrati

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

AdministrationJoomla!

SiteUsersMenusContentComponentsExtensionsHelp0 Visitors1 Admin0View SiteLog out

Plug-in Manager: Plug-ins

EditEnableDisableCheck InOptionsHelp

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	Public	426
☐				system	redirect	Public	427
☐				system	highlight	Public	440
☐	System - Remember Me		8	system	remember	Public	428
☐	System - SEF		9	system	sef	Public	429
☐	System - Language Co		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/bee20/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/bee20/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/bee20/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/bee20/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/bee20/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/bee20/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/bee20/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/bee20/css/ie7only.css" rel="stylesheet" type="text/css" />

```

1 js files

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 heading is `http://www.whatsmyip.org/http-compression-test/`. The page is titled "Home / HTTP Compression" and has social media sharing buttons for Facebook (Like 62), Twitter (Tweet 25), and Google+ (+1 59).

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

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'ed 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 not gzipped

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

[Link To Results](#)

#JWC13 - Administration - x

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

System Users Menus Content Components Extensions Help

#JWC13

Global Configuration

Save Save & Close Cancel Help

SYSTEM

Global Configuration

COMPONENT

Admin Tools

Banners

Cache Manager

Check-in

Contacts

Articles

Smart Search

Installation Manager

JCE Administration

Joomla! Update

Language Manager

Media Manager

Menus Manager

Messaging

Module Manager

Newsfeeds

Plugins Manager

Post-installation

Site System **Server** Permissions Text Filters

Server Settings

Path to Temp Folder /home/users/msnipftp/msnippets.n

Gzip Page Compression **Yes** No

Error Reporting System Default

Force SSL None

Location Settings

Server Time Zone * Universal Time, Coordinated ...

FTP Settings

Database Settings

Database Type MySQLi

Host

Database Username

Database Name db049568_jwc14

Mail Settings

Send mail **Yes** No

Mailer * PHP Mail

View Site 0 Visitors 1 Admin 0 Log out

© #JWC13 2013

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. X

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'ed 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



Caching

is page in Joomla cache?

yes → serve cached page

no → generate page



use jotCache

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



JotCache - Joomla! Extensions

extensions.joomla.org/extensions/core-enhancements/performance/cache...

Joomla!® About Community & Support Extend Download search...

The Joomla! Extensions Directory™

Download Demo

Home All Categories My Page My Details New Extensions Recently Updated Advanced Search J1.5 Archive

Serving 7270 extensions to the community

CATEGORIES

- All Categories
- Access & Security
- Administration
- Ads & Affiliates
- Authoring & Content
- Calendars & Events
- Clients & Communities
- Communication
- Contacts & Feedback
- Content Sharing
- Core Enhancements**
 - Coding & Scripts Integration
 - Data Reports
 - File Management
 - Flash Management

Home > Core Enhancements > Performance > Cache >

[g+1](#) 4 [Tweet](#) 11

JotCache



Version 4.0.1 (last update on Oct 15, 2013) **Rating** 4.71 out of 5.00 from 28 users

Compatibility   **Reviews** 60

License GPLv2 or later Non-Commercial

Date Added 8 July 2010

Developer V.Kanich [Download](#) [Demo](#) [Support](#) [Documentation](#)

Website [Website](#)

JotCache is advanced solution for page caching in Joomla 1.5, 2.5 and 3.0 framework. JotCache consists from JotCache Plugin, JotCache Component and JotCache recache plugins.

New combination of system plugin and management component covers tailored processing in JotCache for all types of extensions : static nad dynamic modules as well as components with static content and dynamic forms. Extended marking of cached content allows fast checking of cache operation in frontend and backend (new feature for easy selecting of cached pages which needs cache reset).

JotCache Plugin is extended replacement of standart System-Cache plugin with following enhancements :

The screenshot shows a web browser window with the address bar displaying `www.jotcomponents.net/web-programming/jotcache/`. The page features a header with the "JOT COMPONENTS" logo and navigation links for HOME, FORUM, BLOG, and a SEARCH bar. The date "09 | 11 | 2013" is shown in the top right corner. The main content area is divided into two columns. The left column, titled "Web Programming", contains a "JotCache" section with links for "Used on sites", "Help", "FAQ", "Download", "Actual versions", and "Archive", as well as a "Tools" section with a link for "JAntRun". The right column, titled "Latest News", lists several updates, including the release of JotCache 4.0 with recache functions on October 14, 2013. Below the news list, there is a detailed article titled "JotCache 4.0 with recache functions" published on Monday, 14 October 2013 at 13:41. The article describes the new major version of JotCache, highlighting its aim to make handling cache and cached content easier. It mentions new features like manual recache in Joomla backend and frontend, and batch processing. It also notes that these features are usually used by site administrators but can be available for users with Manager permissions. The article concludes by stating that batch processing is performed with jotcache plugins, and three such plugins are included in the JotCache 4 installation file.

09 | 11 | 2013

JOT COMPONENTS

HOME FORUM BLOG SEARCH

Web Programming

JotCache

- Used on sites
- Help
- FAQ
- Download
- Actual versions
- Archive

Tools

- JAntRun

Latest News

- ▶ (14.10.2013) JotCache 4.0 with recache functions
- ▶ (20.05.2013) JotCache used on selected sites
- ▶ (03.01.2013) JotCache ver.3.2 Help
- ▶ (14.12.2012) Mobile devices recognition in JotCache 3.1
- ▶ (13.12.2012) JotCache ver.3.1 Help

JotCache 4.0 with recache functions

Published on Monday, 14 October 2013 13:41

New major version of JotCache was developed with the aim to make easier handling with cache and cached content. New features are not limited only to recache functions but these ones are significant step forward in JotCache functionality.

JotCache has now functions to recache pages either manual in Joomla backed and frontend or by means of batch processing started from dedicated page in site backend. These features are usually used by site administrators but they can be also available for users with rights of Manager (here is necessary to set before usage the user permissions as it is written in JotCache Help).

Batch processing is performed with jotcache plugins. Three of such plugins are included in JotCache 4 installation file



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, and BLOG, along with a search bar. The main content area displays a large heading for the URL http://www.jotcomponents.net/web-programming/jotcache. Below this, there is a sidebar on the left with links for 'Actual versions', 'Archive', and 'Tools' (including 'JAntRun'). The main article is titled 'JotCache 4.0 with recache functions' and is dated 'Published on Monday, 14 October 2013 13:41'. The article text describes the new major version of JotCache, highlighting its aim to make handling cache and cached content easier, and mentions new features like manual recache in Joomla backend and frontend, and batch processing.

Actual versions

Archive

Tools

JAntRun

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

JotCache 4.0 with recache functions

Published on Monday, 14 October 2013 13:41

New major version of JotCache was developed with the aim to make easier handling with cache and cached content. New features are not limited only to recache functions but these ones are significant step forward in JotCache functionality.

JotCache has now functions to recache pages either manual in Joomla backed and frontend or by means of batch processing started from dedicated page in site backend. These features are usually used by site administrators but they can be also available for users with rights of Manager (here is necessary to set before usage the user permissions as it is written in JotCache Help).

Batch processing is performed with jotcache plugins. Three of such plugins are included in JotCache 4 installation file

JotCache
system / jotcache

Advanced page caching for Joomla 3.x web sites. JotCache Management functions covers accompanying JotCache component.
General Help to Plugins is accessible on top toolbar. Here you have link for :
[specific Help to this plugin \(and JotCache general\)](#)

Browser Cache Parameters

Browser caching (see popup!)

☒ No
☐ Yes

Server Cache Parameters

Cache Lifetime
300

Compress Cached Content
☒ No
☐ Yes

Mark Caching
☐ No

Cache Auto Clean
5

Autoclean Mode
☒ Fast
☐ Medium
☐ Slow

Clean Log
☒ No
☐ Yes

Browser Split
Select some options

Global Exclude

Enabled

Access
Public

Ordering
11 Order Last

Plugin Type
system

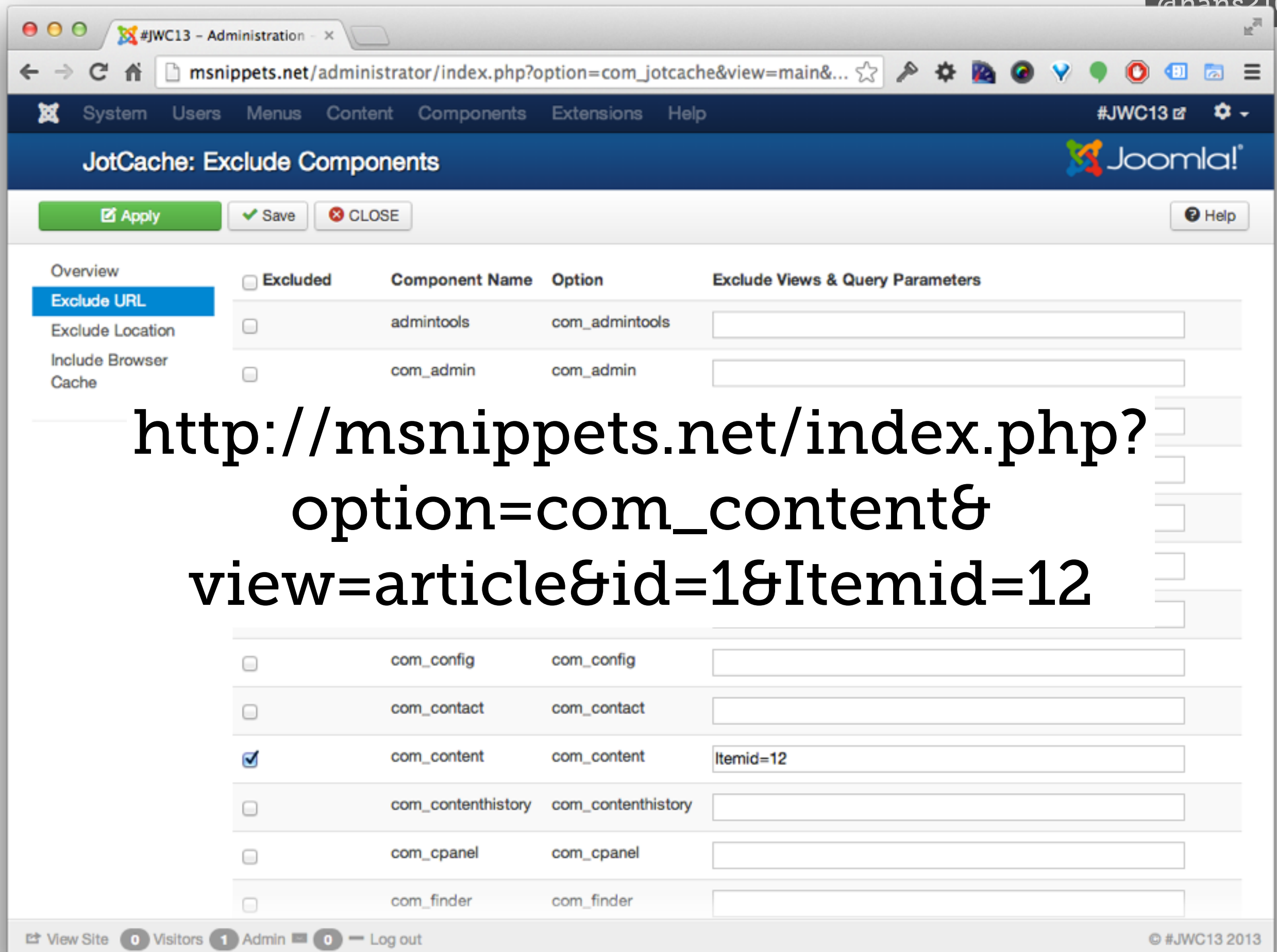
Plugin File
jotcache

View Site 0 Visitors 1 Admin 0 Log out

© #JWC13 2013

order last

my settings



Overview

Exclude URL

Exclude Location

Include Browser Cache

☐ Excluded	Component Name	Option	Exclude Views & Query Parameters
☐	admintools	com_admintools	
☐	com_admin	com_admin	
☐	com_config	com_config	
☐	com_contact	com_contact	
☒	com_content	com_content	Itemid=12
☐	com_contenthistory	com_contenthistory	
☐	com_cpanel	com_cpanel	
☐	com_finder	com_finder	

View Site 0 Visitors 1 Admin 0 Log out

© #JWC13 2013

http://msnippets.net/index.php?option=com_content&view=article&id=1&Itemid=12

Optimize Browser Caching



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/oAjtR3dS

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, 7:19 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: **B** (86%)[↑] YSlow Grade: **B** (86%)[↑] Page load time: 2.70s
 Total page size: 204KB
 Total number of requests: 17

Breakdown

Page Speed YSlow Timeline History

RECOMMENDATION	GRADE	TYPE	PRIORITY
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
Leverage browser caching	B (81)	Server	High

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



Latest Performance Report for

gtmetrix.com/reports/msnippets.net/xGIMpZMo

GTmetrix

Login | Sign Up

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

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/beeze_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>

# 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"
```

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



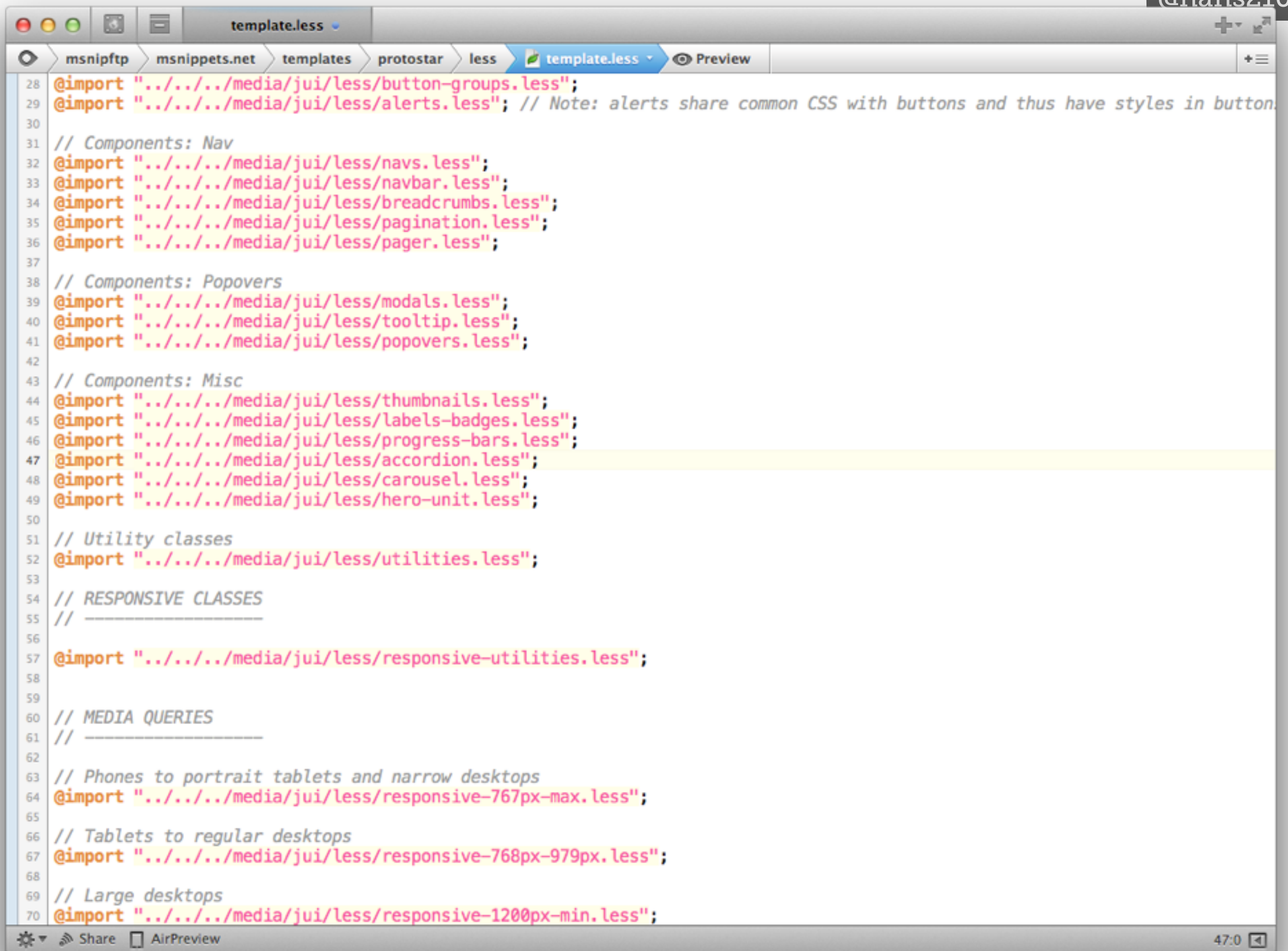
less is more



remove unneeded modules

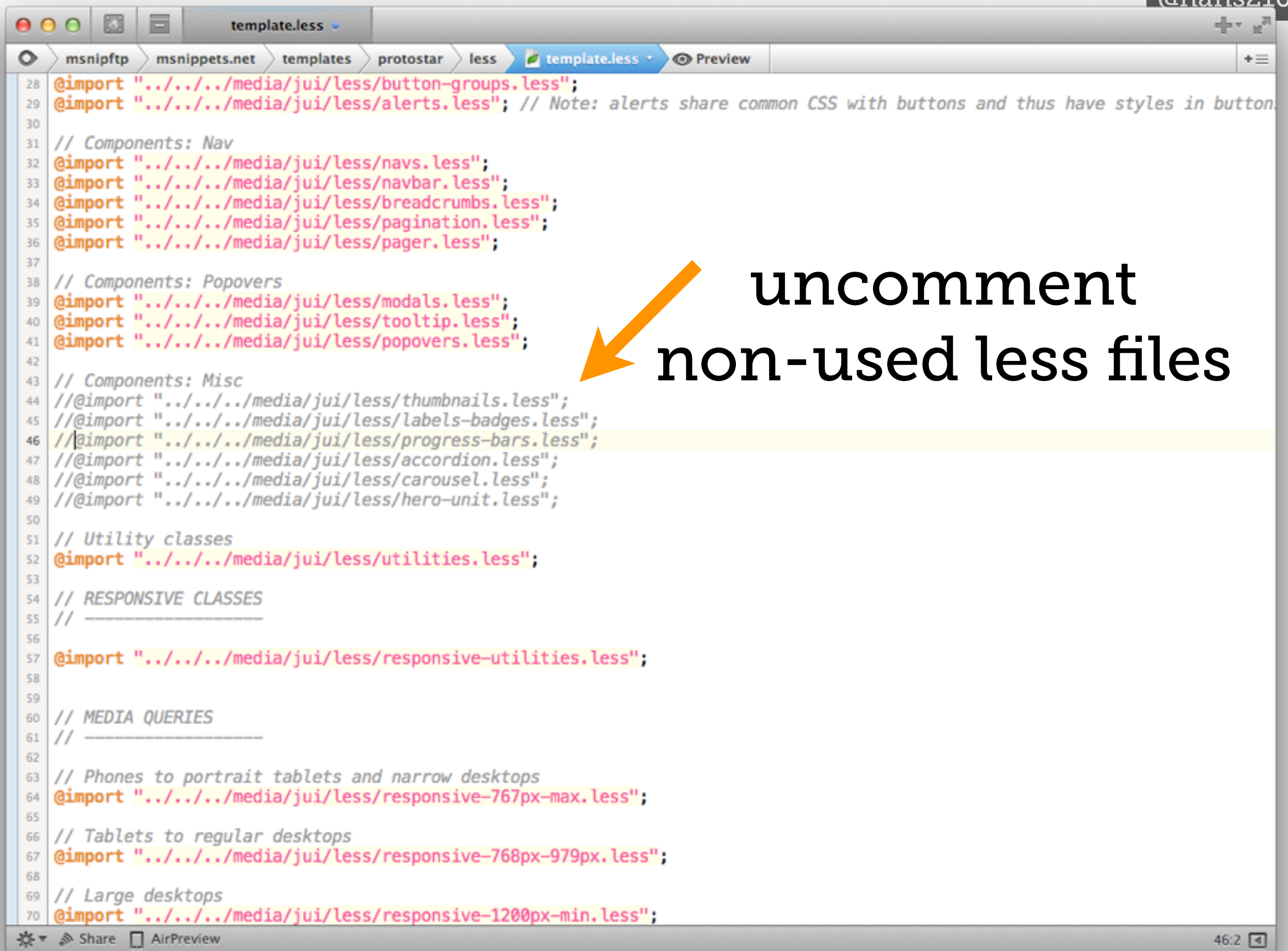






```
28 @import "../../../media/jui/less/button-groups.less";
29 @import "../../../media/jui/less/alerts.less"; // Note: alerts share common CSS with buttons and thus have styles in button.
30
31 // Components: Nav
32 @import "../../../media/jui/less/navs.less";
33 @import "../../../media/jui/less/navbar.less";
34 @import "../../../media/jui/less/breadcrumbs.less";
35 @import "../../../media/jui/less/pagination.less";
36 @import "../../../media/jui/less/pager.less";
37
38 // Components: Popovers
39 @import "../../../media/jui/less/modals.less";
40 @import "../../../media/jui/less/tooltip.less";
41 @import "../../../media/jui/less/popovers.less";
42
43 // Components: Misc
44 @import "../../../media/jui/less/thumbnails.less";
45 @import "../../../media/jui/less/labels-badges.less";
46 @import "../../../media/jui/less/progress-bars.less";
47 @import "../../../media/jui/less/accordion.less";
48 @import "../../../media/jui/less/carousel.less";
49 @import "../../../media/jui/less/hero-unit.less";
50
51 // Utility classes
52 @import "../../../media/jui/less/utilities.less";
53
54 // RESPONSIVE CLASSES
55 // -----
56
57 @import "../../../media/jui/less/responsive-utilities.less";
58
59
60 // MEDIA QUERIES
61 // -----
62
63 // Phones to portrait tablets and narrow desktops
64 @import "../../../media/jui/less/responsive-767px-max.less";
65
66 // Tablets to regular desktops
67 @import "../../../media/jui/less/responsive-768px-979px.less";
68
69 // Large desktops
70 @import "../../../media/jui/less/responsive-1200px-min.less";
```





```
28 @import "../../media/jui/less/button-groups.less";
29 @import "../../media/jui/less/alerts.less"; // Note: alerts share common CSS with buttons and thus have styles in button.
30
31 // Components: Nav
32 @import "../../media/jui/less/navs.less";
33 @import "../../media/jui/less/navbar.less";
34 @import "../../media/jui/less/breadcrumbs.less";
35 @import "../../media/jui/less/pagination.less";
36 @import "../../media/jui/less/pager.less";
37
38 // Components: Popovers
39 @import "../../media/jui/less/modals.less";
40 @import "../../media/jui/less/tooltip.less";
41 @import "../../media/jui/less/popovers.less";
42
43 // Components: Misc
44 // @import "../../media/jui/less/thumbnails.less";
45 // @import "../../media/jui/less/labels-badges.less";
46 // @import "../../media/jui/less/progress-bars.less";
47 // @import "../../media/jui/less/accordion.less";
48 // @import "../../media/jui/less/carousel.less";
49 // @import "../../media/jui/less/hero-unit.less";
50
51 // Utility classes
52 @import "../../media/jui/less/utilities.less";
53
54 // RESPONSIVE CLASSES
55 // -----
56
57 @import "../../media/jui/less/responsive-utilities.less";
58
59 // MEDIA QUERIES
60 // -----
61
62 // Phones to portrait tablets and narrow desktops
63 @import "../../media/jui/less/responsive-767px-max.less";
64
65 // Tablets to regular desktops
66 @import "../../media/jui/less/responsive-768px-979px.less";
67
68 // Large desktops
69 @import "../../media/jui/less/responsive-1200px-min.less";
70
```

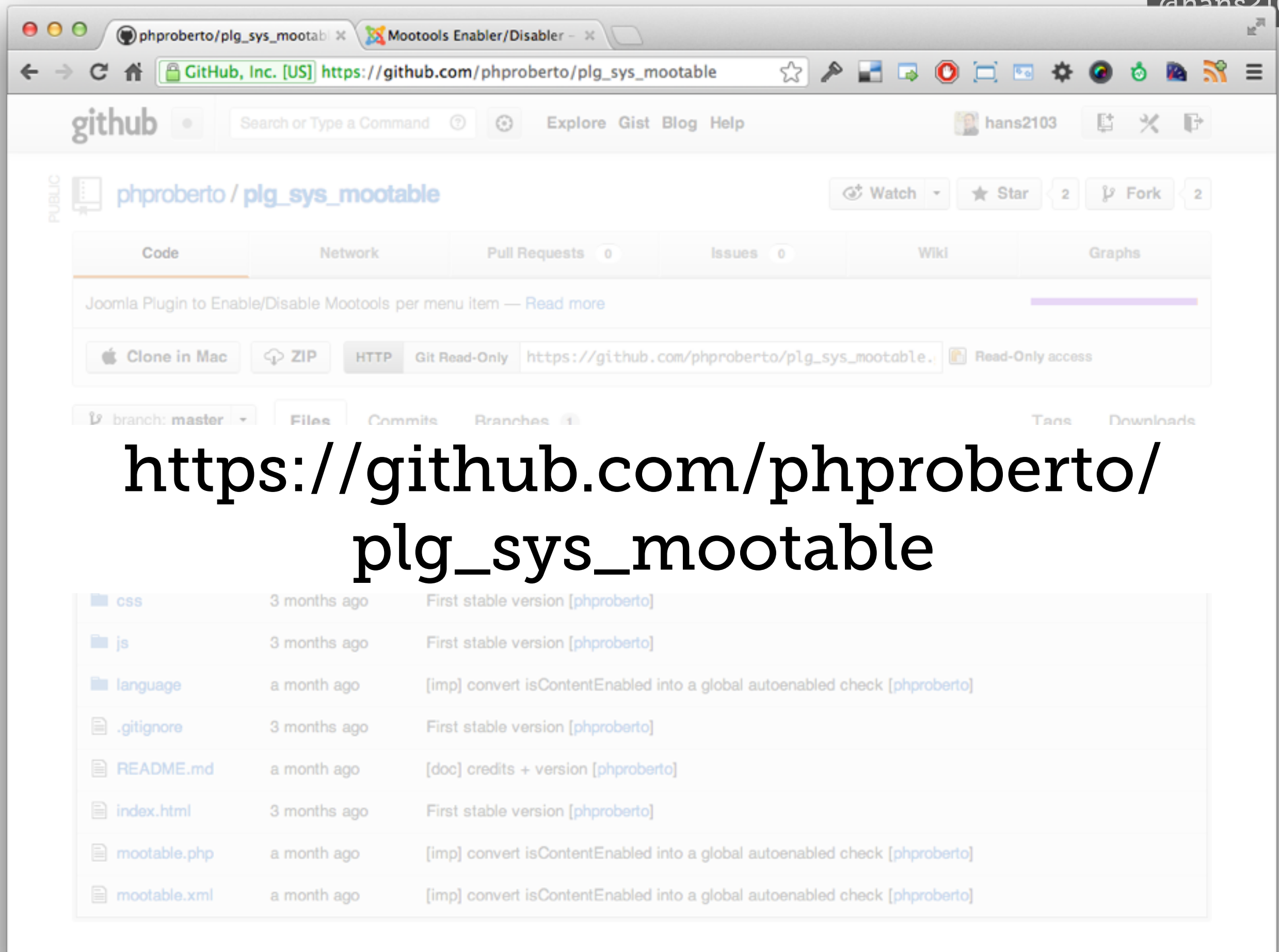
uncomment
non-used less files

Do you really need mootools?

if not... remove it

using Mootools
Enabler/Disabler





The screenshot shows the GitHub repository page for `phproberto/plg_sys_mootable`. The repository is public and has 2 stars and 2 forks. The description is "Joomla Plugin to Enable/Disable Mootools per menu item". The repository contains the following files and folders:

File/Folder	Commit Time	Commit Message
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]

[https://github.com/phproberto/
plg_sys_mootable](https://github.com/phproberto/plg_sys_mootable)

#JWC13 - Administration - X

msnippets.net/administrator/index.php?option=com_plugins&view=plugin...

System Users Menus Content Components Extensions Help #JWC13

Plugin Manager: System - Mootools Enabler/Disabler Joomla!

[Save](#) [Save & Close](#) [Close](#) [Help](#)

Plugin [Autoenable](#) [Advanced](#)

System - Mootools Enabler/Disabler

[system](#) / [mootable](#)

Enable/disable Mootools and other assets per Itemid

By [Roberto Segura](#)

Defaults:

mootools [Enabled](#) [Disabled](#)

mootools-more [Enabled](#) [Disabled](#)

Additional assets:

Disabled scripts

Status: [Enabled](#)

Access: [Public](#)

Ordering: [0. System - One Click Action](#)

Plugin Type: [system](#)

Plugin File: [mootable](#)

[View Site](#) [0](#) Visitors [1](#) Admin [0](#) [Log out](#)

© #JWC13 2013



#JWC13 - Administration - x

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

System Users Menus Content Components Extensions Help #JWC13

Menu Manager: Edit Menu Item

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

Menu Title * Home Alias home

Details Category Blog Layout Options Integration Link Type Page Display Metadata Mootools enable/disable Module Assignment

Mootools:

mootools Default Enabled Disabled

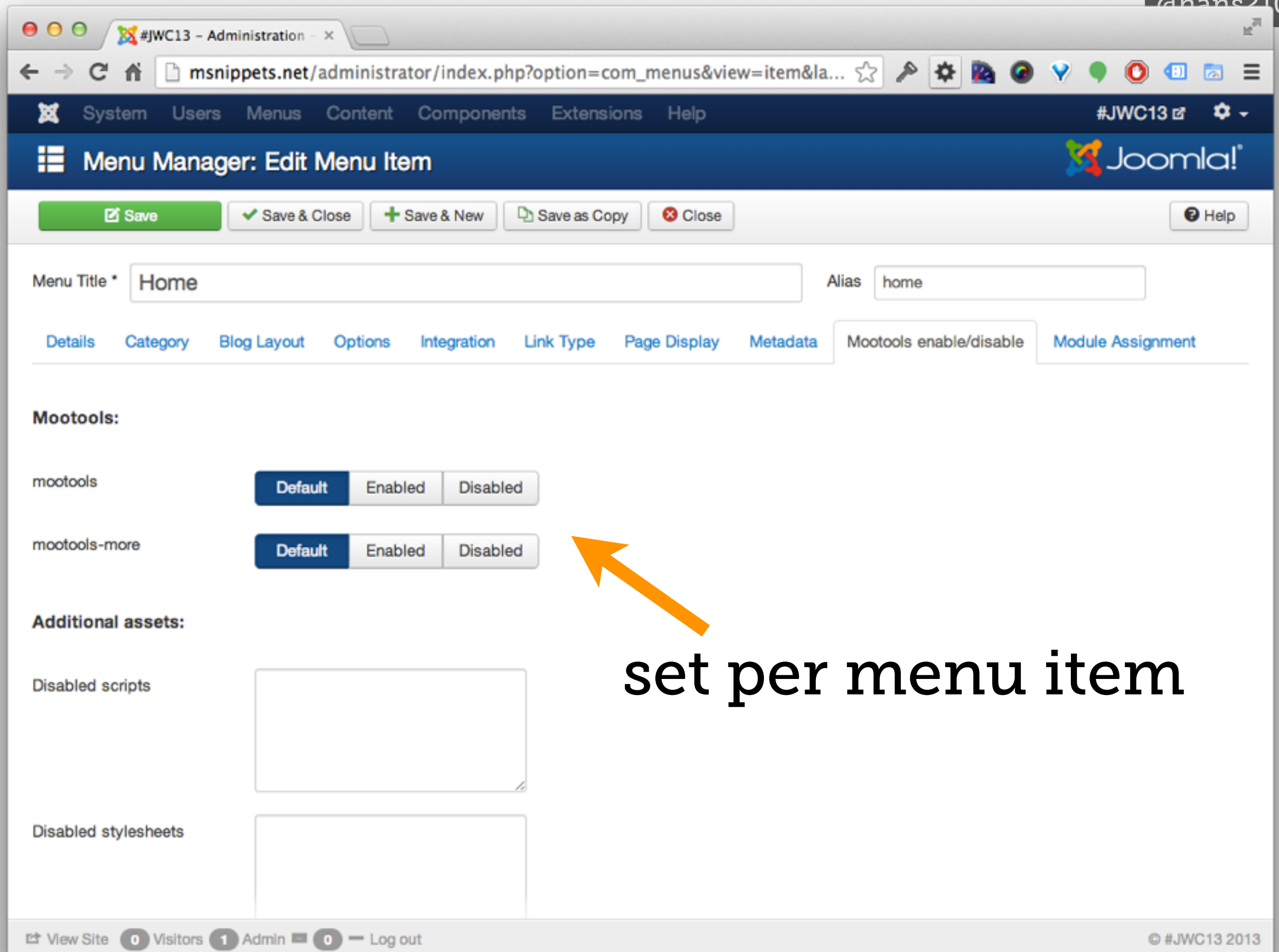
mootools-more Default Enabled Disabled

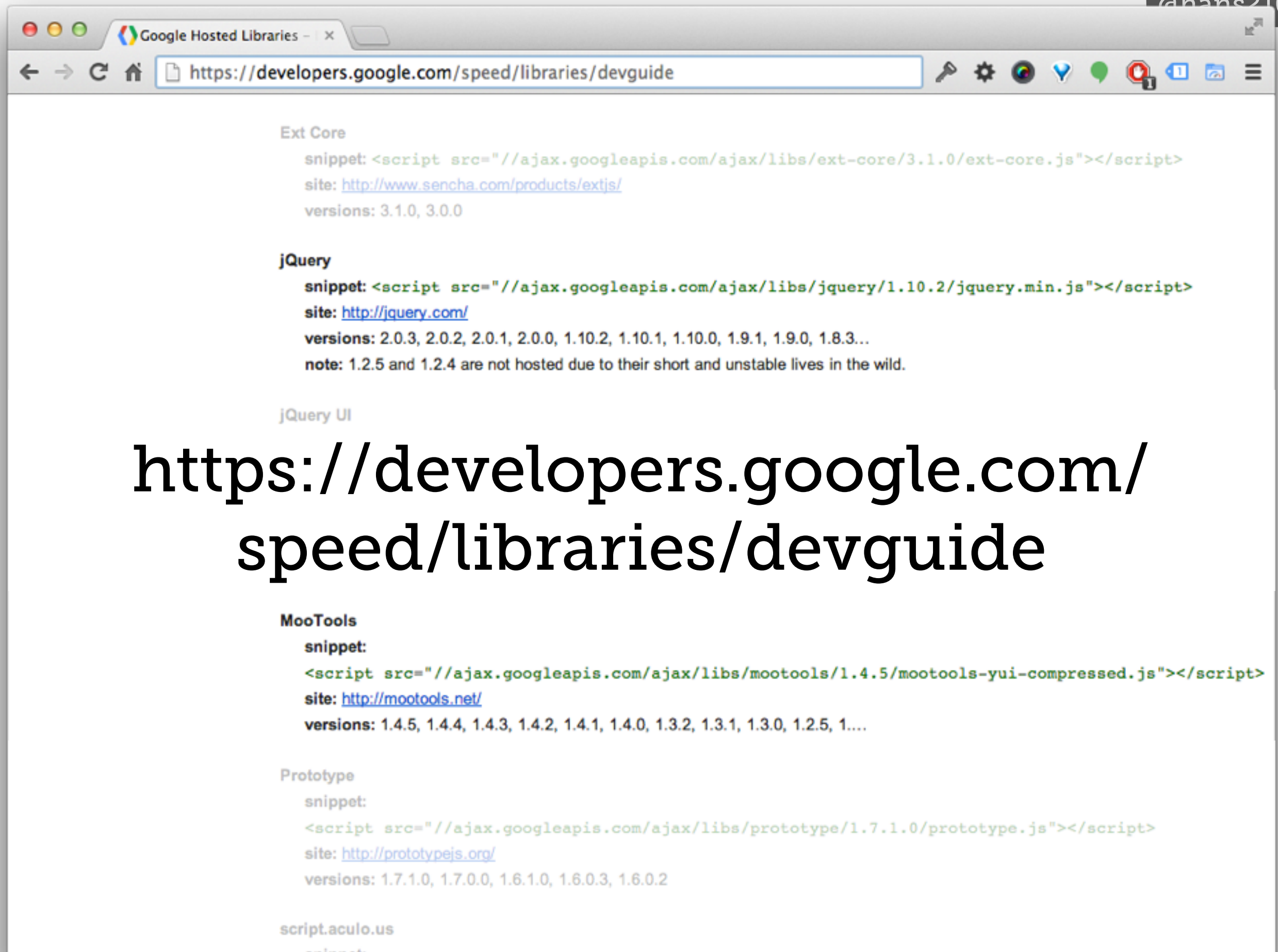
Additional assets:

Disabled scripts

Disabled stylesheets

View Site 0 Visitors 1 Admin 0 Log out © #JWC13 2013





Google Hosted Libraries - x

https://developers.google.com/speed/libraries/devguide

Ext Core
snippet: `<script src="//ajax.googleapis.com/ajax/libs/ext-core/3.1.0/ext-core.js"></script>`
site: <http://www.sencha.com/products/extjs/>
versions: 3.1.0, 3.0.0

jQuery
snippet: `<script src="//ajax.googleapis.com/ajax/libs/jquery/1.10.2/jquery.min.js"></script>`
site: <http://jquery.com/>
versions: 2.0.3, 2.0.2, 2.0.1, 2.0.0, 1.10.2, 1.10.1, 1.10.0, 1.9.1, 1.9.0, 1.8.3...
note: 1.2.5 and 1.2.4 are not hosted due to their short and unstable lives in the wild.

jQuery UI

MooTools
snippet:
`<script src="//ajax.googleapis.com/ajax/libs/mootools/1.4.5/mootools-yui-compressed.js"></script>`
site: <http://mootools.net/>
versions: 1.4.5, 1.4.4, 1.4.3, 1.4.2, 1.4.1, 1.4.0, 1.3.2, 1.3.1, 1.3.0, 1.2.5, 1....

Prototype
snippet:
`<script src="//ajax.googleapis.com/ajax/libs/prototype/1.7.1.0/prototype.js"></script>`
site: <http://prototypejs.org/>
versions: 1.7.1.0, 1.7.0.0, 1.6.1.0, 1.6.0.3, 1.6.0.2

script.aculo.us
snippet:

https://developers.google.com/speed/libraries/devguide

Latest Performance Report

gtmetrix.com/reports/msnippets.net/ctPdD6jc

GTmetrix

[Login](#) | [Sign Up](#)

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

#JWC13



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

Latest Performance Report for:

http://msnippets.net/

[Download PDF](#)

Report generated: Fri, Nov 8, 2013, 5:21 AM -0800

Test Server Region: Vancouver, Canada

Using: Firefox (Desktop) 14.0.1, Page Speed 1.12.16, YSlow 3.1.7

Summary

Page Speed Grade:

(93%)↑

A

YSlow Grade:

(91%)↑

A

Page load time: 2.81s

Total page size: 142KB

Total number of requests: 14

Breakdown

Page Speed

YSlow

Timeline

History

RECOMMENDATION	GRADE		TYPE	PRIORITY
Inline small JavaScript	B (84)	↓	JS	High
Defer parsing of JavaScript	B (85)	↑	JS	High
Optimize the order of styles and scripts	B (85)	↓	CSS/JS	High
Enable gzip compression	B (89)	↑	Server	High
Specify a cache validator	A (90)	↕	Server	High
Specify image dimensions	A (90)	↑	Images	High
Minify HTML	A (96)	↕	Content	High

Site Performance Optimization

@hans2103 #JWC13

Is a fast website important?

yes it is!



have fun creating fast websites



thank you for your time and have fun

<http://about.me/hans2103>



hans2103

<http://slideshare.net/hans2103>