

Performance Report for: <http://test1.performance.gsa-studio.net/>

Report generated: Sunday, November 30, 2014, 5:34 AM -0800

Test Server Region: Vancouver, Canada

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

Page Speed Grade: (84%) ⚡ Avg: 80%	B	YSlow Grade: (77%) ⚡ Avg: 79%	C
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Page load time: 3.16s | Total page size: 577KB | Total number of requests: 51

Priority Issues (Top 5)

Optimize images	<div style="width: 25%;"></div> F (0)	↓ Avg Score: 75%	Images	High
Leverage browser caching	<div style="width: 20%;"></div> F (4)	↓ Avg Score: 60%	Server	High
Specify image dimensions	<div style="width: 50%;"></div> E (50)	⚡ Avg Score: 50%	Images	High
Inline small CSS	<div style="width: 80%;"></div> B (80)	↓ Avg Score: 94%	CSS	High
Minify JavaScript	<div style="width: 84%;"></div> B (84)	↓ Avg Score: 92%	JS	High

How does this affect me?

Studies show that users leave a site if it hasn't loaded in 4 seconds; keep your users happy and engaged by providing a fast performing website.

As if you didn't need more incentive, **Google has announced that they are using page speed in their ranking algorithm.**

About GTmetrix

We can help you develop a faster, more efficient, and all-around improved website experience for your users. We use Google Page Speed and Yahoo! YSlow to grade your site's performance and provide actionable recommendations to fix these issues.

About the Developer



GTmetrix is developed by the good folks at **Gossamer Threads**, a Vancouver-based company with over 16 years experience in web technology. www.gossamer-threads.com

What do these grades mean?

This report is an analysis of your site with Google and Yahoo!'s metrics for how to best develop a site for optimized speed. The **grades you see represent** how well the scanned URL adheres to those rules.

Lower grades (C or lower) mean that the page can stand to be faster using better practices and optimizing your settings.

What's in this report?

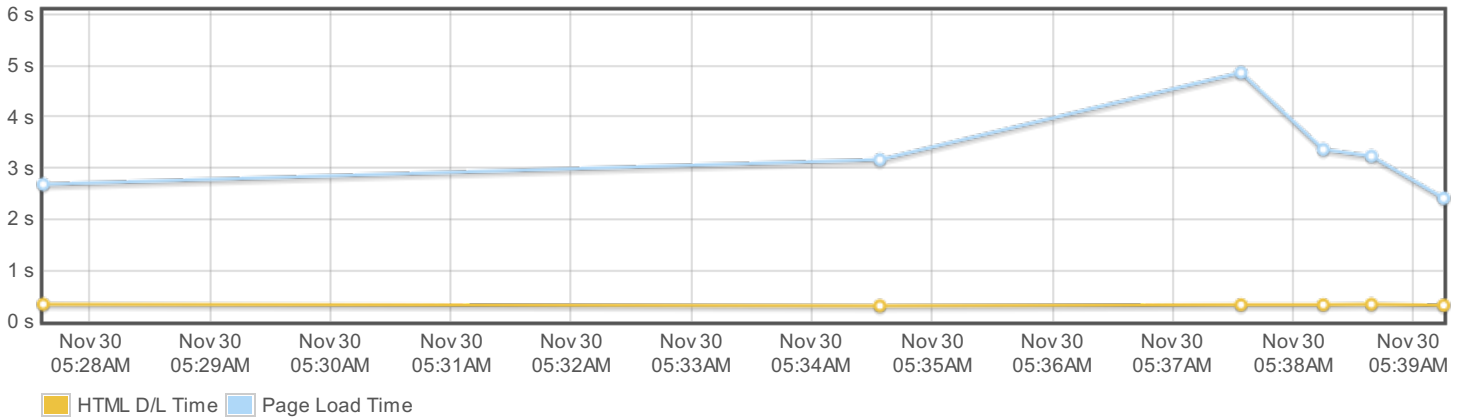
This report covers basic to technical analyses on your page. It is categorized under many headings:

- **Executive:** Overall score information and Priority Issues
- **History:** Graphed history of past performance
- **Waterfall:** Graph of your site's loading timeline
- **Technical:** In-depth Page Speed & YSlow information

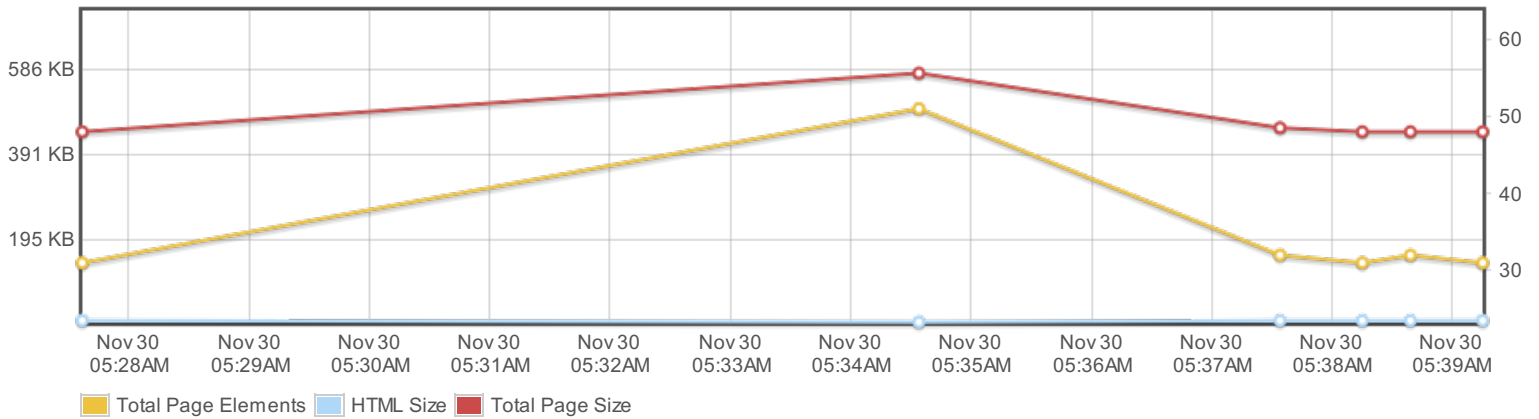
These will provide you with a snapshot of your performance.

History

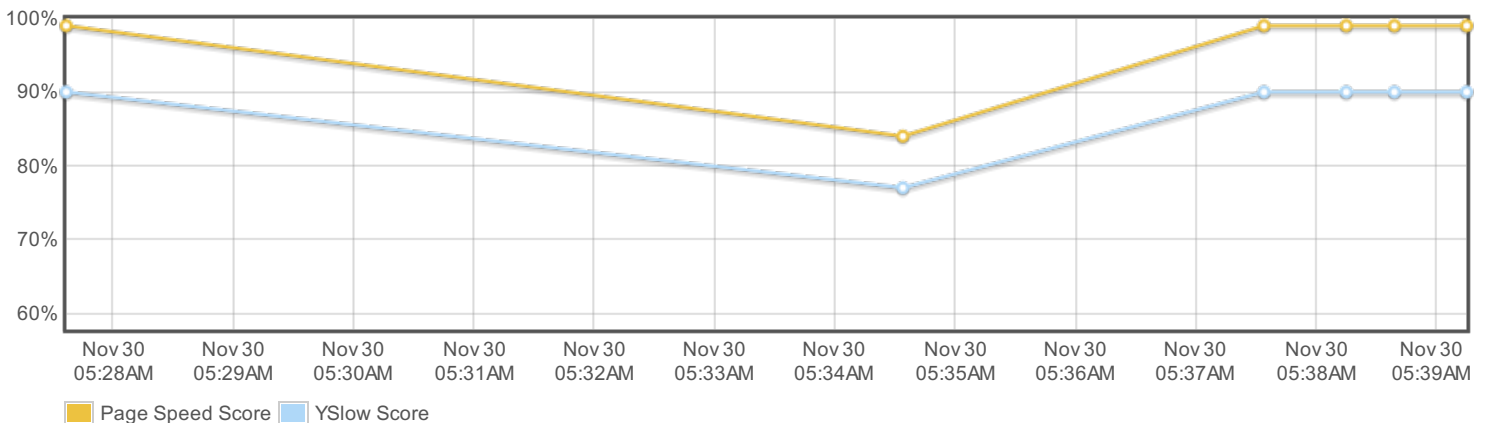
Page load times



Page sizes and request counts



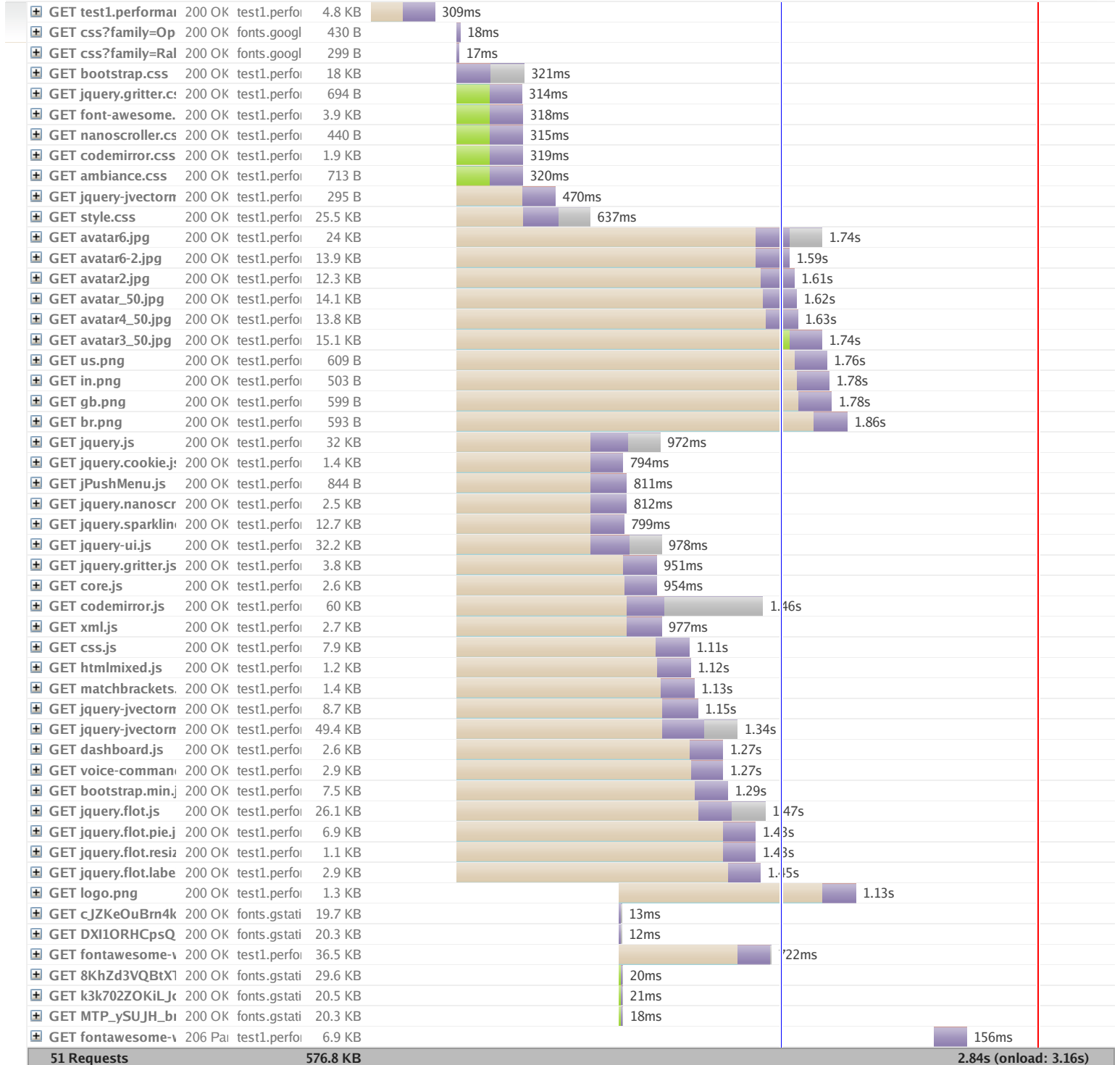
Page Speed and YSlow scores



Waterfall

The waterfall graph displays the loading behaviour of your site in Firefox. It can be used to discover simple issues such as 404's or more complex issues such as external resources blocking page rendering.

Flat Dream



Page Speed Recommendations

RECOMMENDATION	GRADE	RELATIVE	TYPE	PRIORITY
Optimize images	F (0)	↓ Avg Score: 75%	Images	High
Leverage browser caching	F (4)	↓ Avg Score: 60%	Server	High
Specify image dimensions	E (50)	↔ Avg Score: 50%	Images	High
Inline small CSS	B (80)	↓ Avg Score: 94%	CSS	High
Minify JavaScript	B (84)	↓ Avg Score: 92%	JS	High
Avoid a character set in the meta tag	B (85)	↓ Avg Score: 96%	Content	High
Minify CSS	A (94)	↑ Avg Score: 87%	CSS	High
Specify a cache validator	A (95)	↔ Avg Score: 94%	Server	High
Specify a character set early	A (95)	↔ Avg Score: 98%	Content	High
Minify HTML	A (96)	↔ Avg Score: 94%	Content	High
Avoid bad requests	A (100)	↔ Avg Score: 97%	Content	High
Avoid landing page redirects	A (100)	↔ Avg Score: 97%	Server	High
Defer parsing of JavaScript	A (100)	↑ Avg Score: 61%	JS	High
Enable gzip compression	A (100)	↑ Avg Score: 83%	Server	High
Enable Keep-Alive	A (100)	↔ Avg Score: 97%	Server	High
Inline small JavaScript	A (100)	↔ Avg Score: 97%	JS	High
Minimize redirects	A (100)	↑ Avg Score: 91%	Content	High
Minimize request size	A (100)	↔ Avg Score: 99%	Content	High
Optimize the order of styles and scripts	A (100)	↑ Avg Score: 94%	CSS/JS	High
Put CSS in the document head	A (100)	↔ Avg Score: 100%	CSS	High
Remove query strings from static resources	A (100)	↑ Avg Score: 87%	Content	High
Serve resources from a consistent URL	A (100)	↔ Avg Score: 95%	Content	High
Serve scaled images	A (100)	↑ Avg Score: 83%	Images	High
Specify a Vary: Accept-Encoding header	A (100)	↑ Avg Score: 90%	Server	High
Avoid CSS @import	A (100)	↔ Avg Score: 96%	CSS	Medium
Combine images using CSS sprites	A (100)	↑ Avg Score: 78%	Images	Medium
Prefer asynchronous resources	A (100)	↔ Avg Score: 95%	JS	Medium

YSlow Recommendations

RECOMMENDATION	GRADE	RELATIVE	TYPE	PRIORITY
Add Expires headers	F (0)	↓ Avg Score: 25%	Server	High
Make fewer HTTP requests	F (0)	↓ Avg Score: 41%	Content	High
Use a Content Delivery Network (CDN)	F (0)	↓ Avg Score: 13%	Server	Medium
Minify JavaScript and CSS	F (30)	↓ Avg Score: 74%	CSS/JS	Medium
Avoid empty src or href	A (100)	↔ Avg Score: 100%	Content	High
Compress components with gzip	A (100)	↑ Avg Score: 73%	Server	High
Avoid URL redirects	A (100)	↑ Avg Score: 85%	Content	Medium
Make AJAX cacheable	A (100)	↔ Avg Score: 100%	JS	Medium
Put CSS at the top	A (100)	↔ Avg Score: 100%	CSS	Medium
Remove duplicate JavaScript and CSS	A (100)	↔ Avg Score: 100%	CSS/JS	Medium
Put JavaScript at bottom	A (100)	↔ Avg Score: 100%	JS	Medium
Avoid AlphasImageLoader filter	A (100)	↔ Avg Score: 97%	CSS	Medium
Avoid HTTP 404 (Not Found) error	A (100)	↔ Avg Score: 100%	Content	Medium
Reduce the number of DOM elements	A (100)	↑ Avg Score: 93%	Content	Low
Do not scale images in HTML	A (100)	↔ Avg Score: 100%	Images	Low
Use cookie-free domains	A (100)	↑ Avg Score: 48%	Cookie	Low
Use GET for AJAX requests	A (100)	↔ Avg Score: 100%	JS	Low
Avoid CSS expressions	A (100)	↔ Avg Score: 98%	CSS	Low
Reduce DNS lookups	A (100)	↑ Avg Score: 72%	Content	Low
Reduce cookie size	A (100)	↔ Avg Score: 100%	Cookie	Low
Make favicon small and cacheable	A (100)	↔ Avg Score: 100%	Images	Low
Configure entity tags (ETags)	A (100)	↑ Avg Score: 67%	Server	Low
Make JavaScript and CSS external	(n/a)		CSS/JS	Medium