

Front-end performance

css/js minimizavimas ir css sprites

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***The web should
be fast***

*Google,
Yahoo
ir kiti*

CSS/JS
minimizavimas

"Minifying CSS has the same benefits as those for minifying JS: ..."

"...reducing network latency, enhancing compression, and faster browser loading and execution."

<https://developers.google.com>

Visos prekės ▼

Sportas,
laisvalaikis,
turizmas

Kompiuterinė
technika

Buitinė technika
ir elektronika

Grožis ir mada

Mobilūs
telefonai, Foto ir
Video

As seen on TV

Kokios prekės ieškai?

Rasti

Konsultuojame vis
arba galite palikti prar

Sportas, laisvalaikis, turizmas

Kompiuterinė technika

Buitinė technika ir elektronika

Grožis ir mada

Vaikams ir kūdikiams

Mobilūs telefonai, Foto ir Video

As seen on TV

Namų remontas

Virtuvės, buities, apyvokos prekės



Gauk geriausius kainos pasiūlymus kiekvieną savaitę!

Ivesk savo el. pašto adresą

Prenumeruoti

+370 661

URL	Status	Domain	Size	Remote IP	Timeline
GET pigu.lt	200 OK	pigu.lt	51,8 KB	193.200.125.232:80	1s
GET bootstrap.css?r=17561	200 OK	s1.pigu.lt	2,3 KB	193.200.125.233:80	31ms
GET main.css?r=17561	200 OK	s1.pigu.lt	44,1 KB	193.200.125.233:80	188ms
GET multizoom.css?r=17561	200 OK	s1.pigu.lt	840 B	193.200.125.233:80	47ms
GET main-page.css?r=17561	200 OK	s1.pigu.lt	247 B	193.200.125.233:80	47ms
GET new-promo.css?r=17561	200 OK	s1.pigu.lt	1,2 KB	193.200.125.233:80	47ms
GET titlePromotion.css?r=17561	200 OK	s1.pigu.lt	1,6 KB	193.200.125.233:80	63ms
GET summer2012.css?r=17561	200 OK	s1.pigu.lt	1,3 KB	193.200.125.233:80	78ms
GET facebox.css?r=17561	200 OK	s1.pigu.lt	451 B	193.200.125.233:80	78ms
GET skin.css?r=17561	200 OK	s1.pigu.lt	758 B	193.200.125.233:80	78ms
GET amazon-like-menu.css?r=17561	200 OK	s1.pigu.lt	1,3 KB	193.200.125.233:80	78ms
GET css.css?r=17561	200 OK	s1.pigu.lt	1,1 KB	193.200.125.233:80	78ms
GET remake.css?r=17561	200 OK	s1.pigu.lt	2,2 KB	193.200.125.233:80	78ms
GET print.css?r=17561	200 OK	s1.pigu.lt	259 B	193.200.125.233:80	78ms
GET jquery.bubblepopup.v2.3.1.css?r=17561	200 OK	s1.pigu.lt	1,6 KB	193.200.125.233:80	78ms

+1.41s Request start time since the beginning of the page load

Request phases start and elapsed time relative to the request start:

0 DNS Lookup
0 Connecting
0 Sending
0 63ms Waiting
+63ms 125ms Receiving

Event timing relative to the request start:

+3.72s DOMContentLoaded

Latest Performance Report for:

http://pigu.lt/



Report generated: Mon, Jun 24, 2013, 7:06 AM -0700

Test Server Region: Vancouver, Canada

Using: Firefox (Desktop) 14.0.1, Page Speed 1.12.16, YSlow 3.1.6

Summary

Page Speed Grade:

(71%)↓

C

YSlow Grade:

(57%)↓

E

Page load time: 12.27s

Total page size: 2.41MB

Total number of requests: 223

Breakdown

Page Speed

YSlow

Timeline

History

RECOMMENDATION	GRADE		TYPE	PRIORITY
Specify image dimensions	<div><div></div></div> F (0)	↓	Images	High
Defer parsing of JavaScript	<div><div></div></div> F (10)	↓	JS	High
Leverage browser caching	<div><div></div></div> F (14)	↓	Server	High
Combine images using CSS sprites	<div><div></div></div> F (48)	↓	Images	Medium
Minify JavaScript	<div><div></div></div> D (61)	↓	JS	High
Enable gzip compression	<div><div></div></div> D (65)	↓	Server	High
Optimize images	<div><div></div></div> C (73)	↕	Images	High
Serve scaled images	<div><div></div></div> C (77)	↓	Images	High
Minimize redirects	<div><div></div></div> B (84)	↓	Content	High

Latest Performance Report for:

http://lrytas.lt/

 [Download PDF](#)

Report generated: Mon, Jun 24, 2013, 7:09 AM -0700

Test Server Region: Vancouver, Canada

Using: Firefox (Desktop) 14.0.1, Page Speed 1.12.16, YSlow 3.1.6

Summary

Page Speed Grade:

(79%)_↓

C

YSlow Grade:

(60%)_↓

D

Page load time: 25.03s

Total page size: 5.00MB

Total number of requests: 477

Breakdown

Page Speed

YSlow

Timeline

History

RECOMMENDATION

GRADE

TYPE

PRIORITY

Defer parsing of JavaScript

F (0)



JS

High

Specify image dimensions

F (0)



Images

High

Avoid a character set in the meta tag

F (10)



Content

High

Serve resources from a consistent URL

F (38)



Content

High

Leverage browser caching

F (48)



Server

High

Minify CSS

F (48)



CSS

High

Prefer asynchronous resources

E (55)



JS

Medium

Serve scaled images

E (59)



Images

High

Specify a character set early

D (60)



Content

High

Optimize images



















B (83)








Images

High







Išbandom ant lokalaus projekto

URL	Size	Timeline
⊕ GET index.php?cl=phonerevie...7b6ff5e270b3c209afd	124,2 KB	 813ms
⊕ GET reset.css?v=1302512212	375 B	 15ms
⊕ GET fonts.css?v=1302512204	179 B	 46ms
⊕ GET colorbox.css?v=1307431856	5,1 KB	 31ms
⊕ GET style.css?v=1307533332	103,9 KB	 62ms
⊕ GET jqtransform.css?v=1302512208	8,9 KB	 78ms
⊕ GET jquery-1.4.2.js?v=1302512232	160 KB	 31ms
⊕ GET jcarousellite_1.0.1.js?v=1302512232	15 KB	 31ms
⊕ GET jquery-ui-1.7.1.custom.min.js?v=1302512232	18,9 KB	 63ms
⊕ GET jcookie.js?v=1302512232	4,1 KB	 63ms
⊕ GET swfobject.js?v=1302512232	25 KB	 63ms
⊕ GET jquery.colorbox-min.js?v=1305125280	9,6 KB	 78ms
⊕ GET gui.js?v=1307435718	4,3 KB	 78ms
⊕ GET easySlider1.7.js?v=1302512204	6 KB	 78ms
⊕ GET jquery.jqtransform.js?v=1302512208	13,7 KB	 78ms
⊕ GET Huawei_logo.jpg	0 B	 172ms
⊕ GET Huawei_G6150_1.JPG	0 B	 203ms
⊕ GET Huawei_G6150_2.JPG	0 B	 313ms

Sujungiam ir sumažinam

URL	Size	Timeline
+ GET index.php?cl=phonerevie...7b6ff5e270b3c209afd	123,1 KB	 812ms
+ GET styles.min.css?v=1372106810	59,6 KB	 15ms
+ GET scripts1.min.js?v=1372106818	156,8 KB	 109ms
+ GET Huawei_logo.jpg	0 B	 297ms
+ GET Huawei_G6150_1.JPG	0 B	 328ms

gzip

URL	Size	Timeline
+ GET index.php?cl=phonerevie...7b6ff5e270b3c209afd	123,1 KB	 907ms
+ GET styles.min.css?v=1372106810	12 KB	 15ms
+ GET scripts1.min.js?v=1372106818	45,5 KB	 15ms
+ GET Huawei_logo.jpg	0 B	 265ms
+ GET Huawei_G6150_1.JPG	0 B	 125ms
+ GET Huawei_G6150_2.JPG	0 B	 203ms

Tikrai reikalinga?

- Pagreitinamas puslapio atvaizdavimas, užkrovimas - geresnis vartotojo patyrimas
- Mažiau apkraunamas serveris
- Geresni SEO reitingai

Kaip?

- Rankinis: sujungiam, trinam komentarus ir tarpus, archyvuojam
- Naudojam Online tools'ą
- Pasirašom ir naudojam savo tools'ą
(panaudojam js'ams Google Closure ir css'ams YUI compressor įrankius)

CSS sprites

Dizainui daug paveiksliukų, ikonų

+	GET list-bottom-bg.jpg	1 KB	94ms
+	GET t10-top.jpg	598 B	63ms
+	GET search.gif	740 B	63ms
+	GET pb-left.png	479 B	94ms
+	GET pb-center.png	240 B	110ms
+	GET pb-right.png	509 B	110ms
+	GET rl.gif	69 B	110ms
+	GET t10-bottom.jpg	633 B	125ms
+	GET info.gif	780 B	125ms
+	GET mttc.jpg	3,1 KB	109ms
+	GET subscribe.gif	456 B	125ms
+	GET review.gif	1,3 KB	141ms
+	GET f-top.jpg	389 B	125ms
+	GET f-middle.jpg	310 B	125ms
+	GET f-border.gif	62 B	125ms
+	GET f-split-bg.jpg	0 B	187ms
+	GET bite.jpg	6,8 KB	141ms
+	GET nokia.jpg	1,7 KB	141ms
+	GET f-bottom.jpg	397 B	141ms
+	GET border1.png	1 KB	16ms
+	GET border2.png	170 B	16ms
+	GET loading.gif	9,2 KB	16ms

..sujungiam juos



Ką dedam į sprite?

Grafinius dizaino elementus, ikonas

Ko nededam?

Puslapio logotipo bei paveiksliukų, kurie yra turinys

Tikrai reikalinga?

- Pagreitinamas puslapio atvaizdavimas, užkrovimas - geresnis vartotojo patyrimas
- Mažiau apkraunamas serveris
- Sklandesnis :hover įvykis
- Geresni SEO reitingai

Kaip?

- Rankinis: sujungiam paveiksliukus, paskaičiuojam koordinates, redaguojam CSS
- Naudojam Online tools'ą
- Naudojam 3-iųjų šalių tools'ą kaip Compass
- Pasirašom ir naudojame savo tools'ą

Front-end tips'ai

- CSS - **<head>**, JS - prieš **</body>**
- CSS/JS **timestamps**
- **GZIP** visą tekstinį turinį su .htaccess
- Susitvarkom pagaliau **HTTP caching**
(Expires, Last-Modified, max-age, mod_expires)
- Ne taip greitai, bet: **Defer JS**. Gal su savo minimizavimo įrankiu?

- CSS - **<head>**, JS - prieš **</body>**
- CSS/JS **timestamps**
- **GZIP** visą tekstinį turinį su .htaccess
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(Expires, Last-Modified, max-age, mod_expires)
- Ne taip greitai, bet: **Defer JS**. Gal su savo minimizavimo įrankiu?

Jei šiuos susitvarkysit... bus daug geriau nei CSS/JS minimizavimas ar CSS sprite panaudojimas

išsitirk

<http://gtmetrix.com>

readme

- <https://developers.google.com/speed/docs/best-practices/payload>
- <http://developer.yahoo.com/performance/rules.html>
- <http://csswizardry.com/2013/01/front-end-performance-for-web-designers-and-front-end-developers/>