

# Summary Document Webperf Lab :: Team Ninja Nerds

The best to summarize would be to compare the initial base website (before optimization) and final state of the website (after optimization), with respect to load times, number of HTTP requests and size of the document loaded. And these comparisons can be made in both empty cache and primed cache states.

Here, below we have attached all the screens related to the above points and to get an overall picture at a glance you can look at the table given in the document “NinjaNerds-WebPerf-Comparison-Table”.

## Screens for Base Website without Optimizations

### 1) Base Website Empty Cache

Clear	Persist	All	HTML	CSS	JS	XHR	Images	Flash	Media
GET AdvancedFlashXml-S...-9_255	200 OK	192.168.56.102	51 B	192.168.56.102:80	1ms				
GET AdvancedFlashXml-D...9_4061	200 OK	192.168.56.102	51 B	192.168.56.102:80	3ms				
GET AdvancedFlashXml-S...9_4061	200 OK	192.168.56.102	51 B	192.168.56.102:80	2ms				
GET AdvancedFlashXml-D...2_3978	200 OK	192.168.56.102	51 B	192.168.56.102:80	2ms				
GET AdvancedFlashXml-S...2_3978	200 OK	192.168.56.102	51 B	192.168.56.102:80	3ms				
GET AdvancedFlashXml-D...5_4135	200 OK	192.168.56.102	51 B	192.168.56.102:80	5ms				
GET AdvancedFlashXml-S...5_4135	200 OK	192.168.56.102	51 B	192.168.56.102:80	4ms				
GET AdvancedFlashXml-D...4_4158	200 OK	192.168.56.102	51 B	192.168.56.102:80	4ms				
GET AdvancedFlashXml-S...4_4158	200 OK	192.168.56.102	51 B	192.168.56.102:80	6ms				
GET 147116.jpg	200 OK	192.168.56.102	126.4 KB	192.168.56.102:80	6ms				
GET 146972.jpg	200 OK	192.168.56.102	95.9 KB	192.168.56.102:80	4ms				
GET 146986.jpg	200 OK	192.168.56.102	85.9 KB	192.168.56.102:80	4ms				
GET 146372.jpg	200 OK	192.168.56.102	80.8 KB	192.168.56.102:80	4ms				
GET 146979.jpg	200 OK	192.168.56.102	106.1 KB	192.168.56.102:80	6ms				
GET 147048.jpg	200 OK	192.168.56.102	99.4 KB	192.168.56.102:80	4ms				
GET 146991.jpg	200 OK	192.168.56.102	52 KB	192.168.56.102:80	5ms				
GET get_flash_player.gif	200 OK	www.images.adobe.com	1.7 KB	96.17.72.88:80	120ms				
GET arwdwn_on.gif	200 OK	192.168.56.102	46 B	192.168.56.102:80	4ms				
81 requests			6.1 MB			4.72s (onload: 10.23s)			

### 2) Base Website Primed Cache

Clear	Persist	All	HTML	CSS	JS	XHR	Images	Flash	Media
GET AdvancedFlashXml-S...-9_255	200 OK	192.168.56.102	51 B	192.168.56.102:80	1ms				
GET AdvancedFlashXml-D...9_4061	200 OK	192.168.56.102	51 B	192.168.56.102:80	3ms				
GET AdvancedFlashXml-S...9_4061	200 OK	192.168.56.102	51 B	192.168.56.102:80	2ms				
GET AdvancedFlashXml-D...2_3978	200 OK	192.168.56.102	51 B	192.168.56.102:80	2ms				
GET AdvancedFlashXml-S...2_3978	200 OK	192.168.56.102	51 B	192.168.56.102:80	3ms				
GET AdvancedFlashXml-D...5_4135	200 OK	192.168.56.102	51 B	192.168.56.102:80	5ms				
GET AdvancedFlashXml-S...5_4135	200 OK	192.168.56.102	51 B	192.168.56.102:80	4ms				
GET AdvancedFlashXml-D...4_4158	200 OK	192.168.56.102	51 B	192.168.56.102:80	4ms				
GET AdvancedFlashXml-S...4_4158	200 OK	192.168.56.102	51 B	192.168.56.102:80	6ms				
GET 147116.jpg	200 OK	192.168.56.102	126.4 KB	192.168.56.102:80	6ms				
GET 146972.jpg	200 OK	192.168.56.102	95.9 KB	192.168.56.102:80	4ms				
GET 146986.jpg	200 OK	192.168.56.102	85.9 KB	192.168.56.102:80	4ms				
GET 146372.jpg	200 OK	192.168.56.102	80.8 KB	192.168.56.102:80	4ms				
GET 146979.jpg	200 OK	192.168.56.102	106.1 KB	192.168.56.102:80	6ms				
GET 147048.jpg	200 OK	192.168.56.102	99.4 KB	192.168.56.102:80	4ms				
GET 146991.jpg	200 OK	192.168.56.102	52 KB	192.168.56.102:80	5ms				
GET get_flash_player.gif	200 OK	www.images.adobe.com	1.7 KB	96.17.72.88:80	120ms				
GET arwdwn_on.gif	200 OK	192.168.56.102	46 B	192.168.56.102:80	4ms				
81 requests			6.1 MB			4.72s (onload: 10.23s)			

### 3) Yslow for base website

**Grade D** Overall performance score 64 Ruleset applied: YSlow(V2) URL: http://192.168.56.102/www.ubi.com/US/

ALL (23) FILTER BY: CONTENT (6) COOKIE (2) CSS (6) IMAGES (2) JAVASCRIPT (4) SERVER (6)

F 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

C Put CSS at top

E Put JavaScript at bottom

B Avoid CSS expressions

n/a Make JavaScript and CSS external

A Reduce DNS lookups

D Minify JavaScript and CSS

Grade F on Make fewer HTTP requests

This page has 12 external Javascript scripts. Try combining them into one.  
This page has 9 external stylesheets. Try combining them into one.  
This page has 11 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, resulting in faster page loads. Some ways to reduce the number of components include: combine files, combine multiple scripts into one script, combine multiple CSS files into one style sheet, and use CSS Sprites and image maps.

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### 4) Page Speed for Base Website

**Grade D** Overall performance score 64 Ruleset applied: YSlow(V2) URL: http://192.168.56.102/www.ubi.com/US/

ALL (23) FILTER BY: CONTENT (6) COOKIE (2) CSS (6) IMAGES (2) JAVASCRIPT (4) SERVER (6)

F 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

C Put CSS at top

E Put JavaScript at bottom

B Avoid CSS expressions

n/a Make JavaScript and CSS external

A Reduce DNS lookups

D Minify JavaScript and CSS

Grade F on Make fewer HTTP requests

This page has 12 external Javascript scripts. Try combining them into one.  
This page has 9 external stylesheets. Try combining them into one.  
This page has 11 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, resulting in faster page loads. Some ways to reduce the number of components include: combine files, combine multiple scripts into one script, combine multiple CSS files into one style sheet, and use CSS Sprites and image maps.

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## Screens for Final Website with all Optimizations


### 1) Final Website Empty Cache

GET AdvancedFlashXml-S...158_166	200 OK	cdn.webperflab.com	67 B	74.63.46.208:80	27ms
GET 147116_v3.jpg	200 OK	cdn.webperflab.com	126.4 KB	74.63.46.208:80	197ms
GET 146972_v3.jpg	200 OK	cdn.webperflab.com	94.5 KB	69.9.191.19:80	197ms
GET 146986_v3.jpg	200 OK	cdn.webperflab.com	83.5 KB	74.63.46.208:80	87ms
GET 146372_v3.jpg	200 OK	cdn.webperflab.com	76.3 KB	69.9.191.19:80	80ms
GET 146979_v3.jpg	200 OK	cdn.webperflab.com	104.8 KB	74.63.46.208:80	75ms
GET 147048_v3.jpg	200 OK	cdn.webperflab.com	98.3 KB	69.9.191.19:80	75ms
GET 146991_v3.jpg	200 OK	cdn.webperflab.com	51.4 KB	74.63.46.208:80	39ms
47 requests			1.5 MB		4.69s (onload: 1.33s)

2) Final Website Primed Cache

Clear	Persist	All	HTML	CSS	JS	XHR	Images	Flash	Media
URL	Status	Domain	Size	Remote IP	Timeline				
GET main.swf?308879	200 OK	webperflab.com	35.9 KB	173.45.227.33:80	 246ms				
1 request			35.9 KB		246ms (onload: 808ms)				

3) Yslow for Final Website

Clear	Persist	All	HTML	CSS	JS	XHR	Images	Flash	Media
URL	Status	Domain	Size	Remote IP	Timeline				
GET main.swf?308879	200 OK	webperflab.com	35.9 KB	173.45.227.33:80	 246ms				
1 request			35.9 KB		246ms (onload: 808ms)				

4) Page Speed for Final Website

✓	Page Speed Score: 91/100	Expand All	Collapse All	Refresh Analysis
●	• <a href="#">Serve resources from a consistent URL</a>			
✓	• <a href="#">Defer parsing of JavaScript</a>			
✓	• <a href="#">Enable compression</a>			
✓	• <a href="#">Optimize images</a>			
✓	• <a href="#">Minify HTML</a>			
✓	• <a href="#">Specify image dimensions</a>			
✓	• <a href="#">Specify a character set</a>			
✓	• <a href="#">Remove query strings from static resources</a>			
✓	<a href="#">Avoid CSS @import</a>			
✓	<a href="#">Avoid bad requests</a>			
✓	<a href="#">Combine images into CSS sprites</a>			
✓	<a href="#">Enable Keep-Alive</a>			
✓	<a href="#">Inline Small CSS</a>			
✓	<a href="#">Inline Small JavaScript</a>			
✓	<a href="#">Leverage browser caching</a>			
✓	<a href="#">Make landing page redirects cacheable</a>			
✓	<a href="#">Minify CSS</a>			
✓	<a href="#">Minify JavaScript</a>			
✓	<a href="#">Minimize redirects</a>			
✓	<a href="#">Minimize request size</a>			
✓	<a href="#">Optimize the order of styles and scripts</a>			

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