



Performance Report for: <http://www.ionenergy.ie/>

Report generated: Sun, Sep 8, 2019 3:33 AM -0700

Test Server Region: Vancouver, Canada

Using: Chrome (Desktop) 75.0.3770.100, PageSpeed 1.15-gt1.2, YSlow 3.1.8

PageSpeed Score A (91%) ^	YSlow Score A (90%) ^	Fully Loaded Time 3.1s ^	Total Page Size 817KB ^	Requests 21 ^
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Top 5 Priority Issues

Enable gzip compression	E (58)		AVG SCORE: 87%	SERVER	HIGH
Optimize images	B (81)		AVG SCORE: 71%	IMAGES	HIGH
Defer parsing of JavaScript	A (93)		AVG SCORE: 71%	JS	HIGH
Leverage browser caching	A (96)		AVG SCORE: 61%	SERVER	HIGH
Minify HTML	A (98)		AVG SCORE: 98%	CONTENT	LOW

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 PageSpeed and Yahoo! YSlow to grade your site's performance and provide actionable recommendations to fix these issues.

About the Developer

GT.net
Performance Hosting

GTmetrix is developed by the good folks at **GT.net**, a Vancouver-based performance hosting company with over 23 years experience in web technology.

<https://gt.net/>

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?

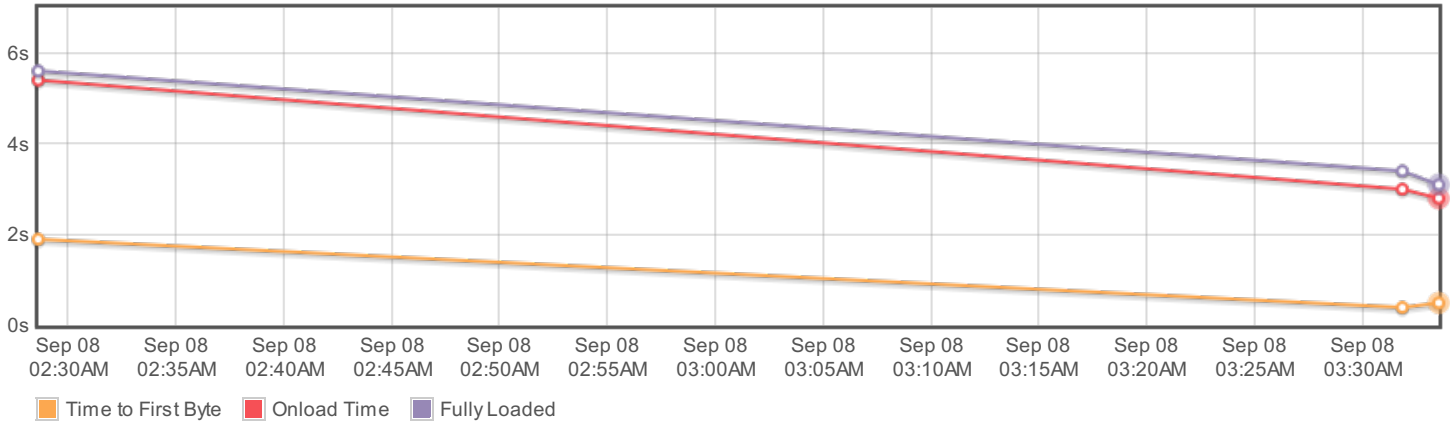
This report covers basic to technical analyses on your page. It is categorized under many headings:

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

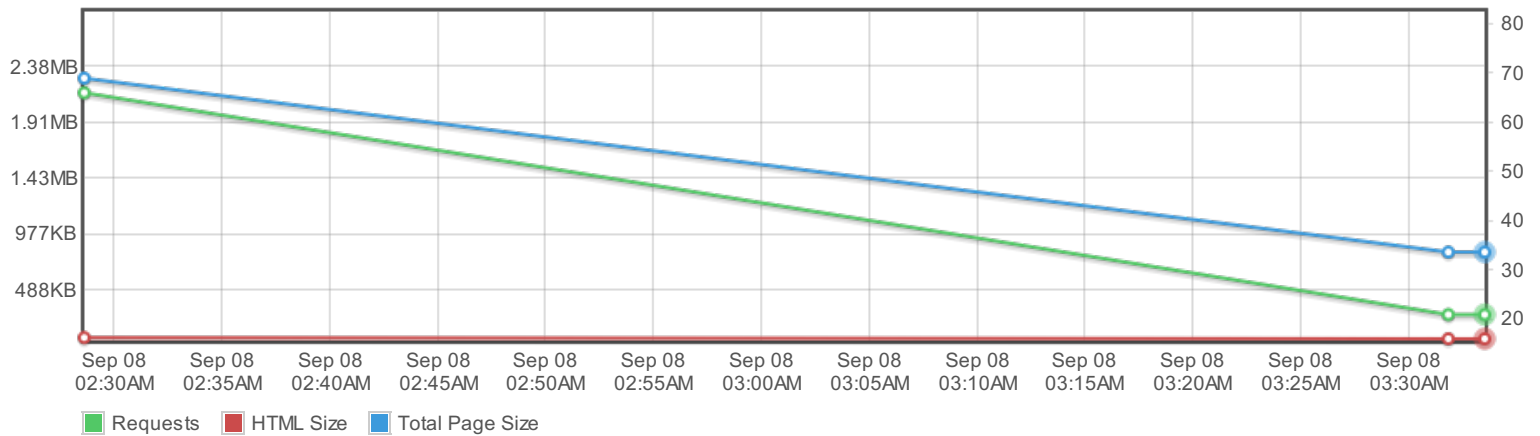
These will provide you with a snapshot of your performance.

History

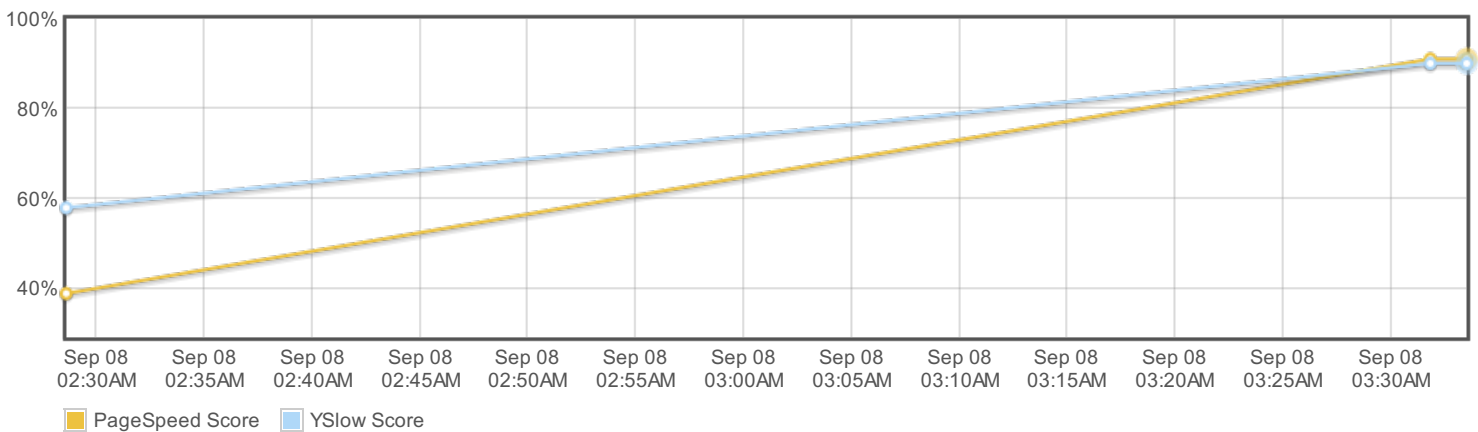
Page load times



Page sizes and request counts



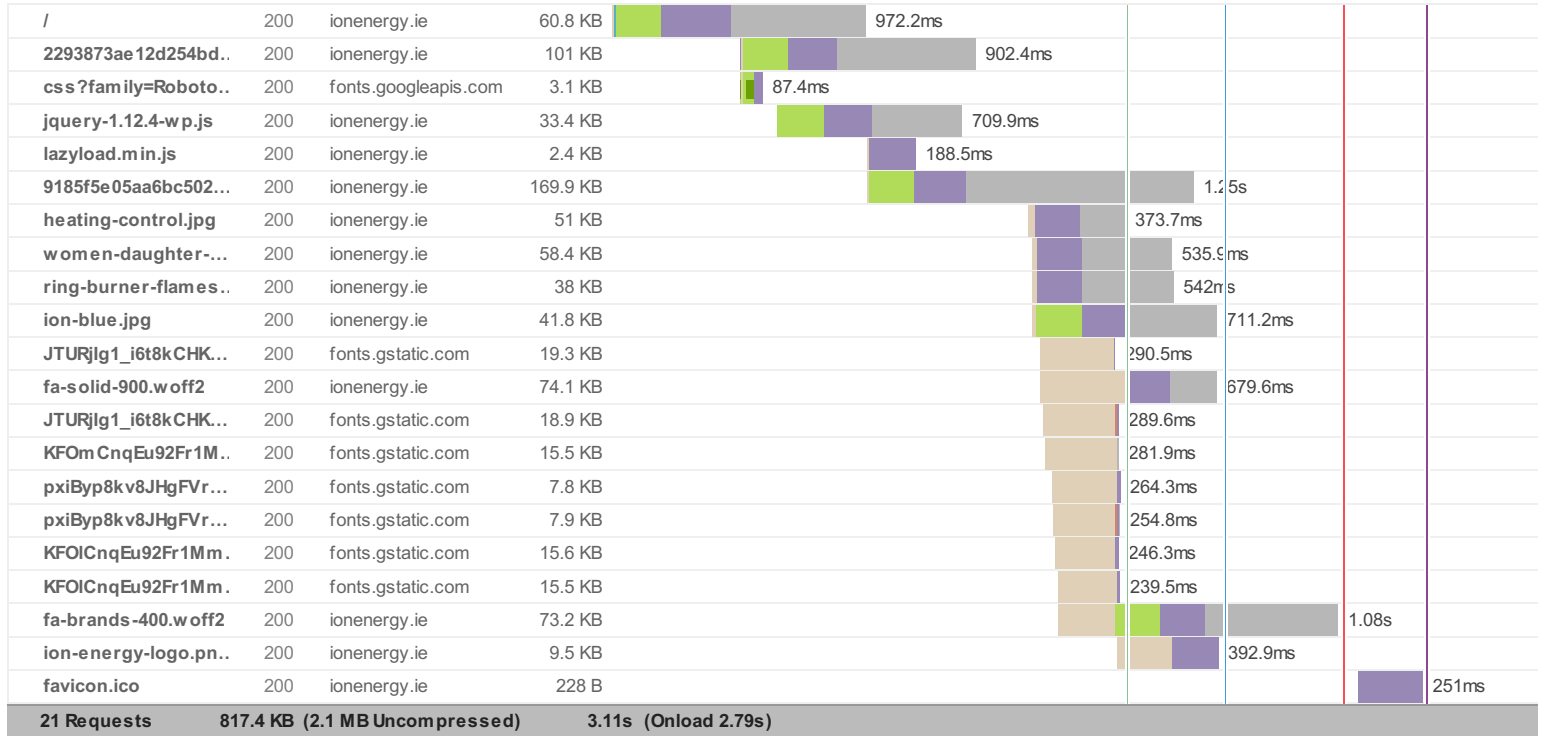
PageSpeed and YSlow scores



Waterfall Chart

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

Ion – Just another WordPress site



PageSpeed Recommendations

RECOMMENDATION	GRADE	RELATIVE	TYPE	PRIORITY
Enable gzip compression	E (58)	▼ AVG SCORE: 87%	SERVER	HIGH

Enable compression for the following resources to reduce their transfer size by 50.4KiB (83% reduction).

- Compressing <http://www.ionenergy.ie/> could save 50.4KiB (83% reduction).

Optimize images	B (81)	▲ AVG SCORE: 71%	IMAGES	HIGH
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Optimize the following images to reduce their size by 21.8KiB (12% reduction).

- Losslessly compressing <http://www.ionenergy.ie/wp-content/uploads/2019/07/ion-blue.jpg> could save 11.6KiB (28% reduction). See [optimized version](#).
- Losslessly compressing <http://www.ionenergy.ie/wp-content/uploads/2019/07/women-daughter-kitchen-living.jpg> could save 8.5KiB (15% reduction). See [optimized version](#).
- Losslessly compressing <http://www.ionenergy.ie/wp-content/uploads/2019/09/ring-burner-flames.jpg> could save 857B (3% reduction). See [optimized version](#).
- Losslessly compressing <http://www.ionenergy.ie/wp-content/uploads/2019/09/heating-control.jpg> could save 855B (2% reduction). See [optimized version](#).

Defer parsing of JavaScript	A (93)	▲ AVG SCORE: 71%	JS	HIGH
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86.8KiB of JavaScript is parsed during initial page load. Defer parsing JavaScript to reduce blocking of page rendering.

- <http://www.ionenergy.ie/wp-content/cache/busting/1/wp-includes/js/jquery/jquery-1.12.4-wp.js> (86.8KiB)

Leverage browser caching	A (96)	▲ AVG SCORE: 61%	SERVER	HIGH
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Leverage browser caching for the following cacheable resources:

- <http://www.ionenergy.ie/favicon.ico> (expiration not specified)

Minify HTML	A (98)	◆ AVG SCORE: 98%	CONTENT	LOW
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Minify HTML for the following resources to reduce their size by 2.8KiB (5% reduction).

- Minifying <http://www.ionenergy.ie/> could save 2.8KiB (5% reduction). See [optimized version](#).

Specify a cache validator	A (98)	◆ AVG SCORE: 95%	SERVER	HIGH
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The following resources are missing a cache validator. Resources that do not specify a cache validator cannot be refreshed efficiently. Specify a Last-Modified or ETag header to enable cache validation for the following resources:

- <http://www.ionenergy.ie/favicon.ico>

Minimize request size	A (99)	◆ AVG SCORE: 95%	CONTENT	HIGH
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The requests for the following URLs don't fit in a single packet. Reducing the size of these requests could reduce latency.

- <https://fonts.googleapis.com/css?family=Roboto%3A100%2C100italic%2C200%2C200italic%2C300%2C300italic%2C400%2C400italic%2C500%2C500italic%2C600%2C600italic%2C700%2C700italic%2C800%2C800italic%2C900%2C900italic%7CRoboto+Slab%3A100%2C100italic%2C200%2C200italic%2C300%2C300italic%2C400%2C400italic%2C500%2C500italic%2C600%2C600italic%2C700%2C700italic%2C800%2C800italic%2C900%2C900italic%7CPoppins%3A100%2C100italic%2C200%2C200italic%2C300%2C300italic%2C400%2C400italic%2C500%2C500italic%2C600%2C600italic%2C700%2C700italic%2C800%2C800italic%2C900%2C900italic%7CMontserrat%3A100%2C100italic%2C200%2C200italic%2C300%2C300italic%2C400%2C400italic%2C500%2C500italic%2C600%2C600italic%2C700%2C700italic%2C800%2C800italic%2C900%2C900italic&ver=5.2.3> has a request size of 1.7KiB
 - Request URL: 741B
 - Cookies: 0B
 - Referer Url: 24B
 - Other: 1020B

Minify JavaScript	A (99)	▲ AVG SCORE: 90%	JS	HIGH
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Minify JavaScript for the following resources to reduce their size by 738B (1% reduction).

- Minifying <http://www.ionenergy.ie/wp-content/cache/min/1/9185f5e05aa6bc5023a882cd42feb9f5.js> could save 636B (1% reduction) after compression. See [optimized version](#).
- Minifying <http://www.ionenergy.ie/wp-content/cache/busting/1/wp-includes/js/jquery/jquery-1.12.4-wp.js> could save 68B (1% reduction) after compression. See [optimized version](#).
- Minifying <http://www.ionenergy.ie/wp-content/plugins/wp-rocket/assets/js/lazyload/11.0.6/lazyload.min.js> could save 34B (2% reduction) after compression. See [optimized version](#).

Minify CSS	A (99)	◆ AVG SCORE: 96%	CSS	HIGH
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Minify CSS for the following resources to reduce their size by 718B (1% reduction).

- Minifying <http://www.ionenergy.ie/wp-content/cache/min/1/2293873ae12d254bdf1a49ac172d2d2e.css> could save 533B (1% reduction) after compression. See [optimized version](#).
- Minifying <https://fonts.googleapis.com/css?family=Roboto%3A100%2C100italic%2C200%2C200italic%2C300%2C300italic%2C400%2C400italic%2C500%2C500italic%2C600%2C600italic%2C700%2C700italic%2C800%2C800italic%2C900%2C900italic%7CRoboto+Slab%3A100%2C100italic%2C200%2C200italic%2C300%2C300italic%2C400%2C400italic%2C500%2C500italic%2C600%2C600italic%2C700%2C700italic%2C800%2C800italic%2C900%2C900italic%7CPoppins%3A100%2C100italic%2C200%2C200italic%2C300%2C300italic%2C400%2C400italic%2C500%2C500italic%2C600%2C600italic%2C700%2C700italic%2C800%2C800italic%2C900%2C900italic%7CMontserrat%3A100%2C100italic%2C200%2C200italic%2C300%2C300italic%2C400%2C400italic%2C500%2C500italic%2C600%2C600italic%2C700%2C700italic%2C800%2C800italic%2C900%2C900italic&ver=5.2.3> could save 185B (6% reduction) after compression. See [optimized version](#).

Avoid bad requests	A (100)	◆ AVG SCORE: 98%	CONTENT	HIGH
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You scored 100% on this recommendation - nothing to do here!

Avoid landing page redirects	A (100)	◆ AVG SCORE: 98%	SERVER	HIGH
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You scored 100% on this recommendation - nothing to do here!

Enable Keep-Alive	A (100)	◆ AVG SCORE: 97%	SERVER	HIGH
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You scored 100% on this recommendation - nothing to do here!

Inline small CSS	A (100)	◆ AVG SCORE: 96%	CSS	HIGH
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You scored 100% on this recommendation - nothing to do here!

Inline small JavaScript	A (100)	⬇️ AVG SCORE: 95%	JS	HIGH
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You scored 100% on this recommendation - nothing to do here!

Minimize redirects	A (100)	⬆️ AVG SCORE: 88%	CONTENT	HIGH
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You scored 100% on this recommendation - nothing to do here!

Optimize the order of styles and scripts	A (100)	⬇️ AVG SCORE: 95%	CSS/JS	HIGH
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You scored 100% on this recommendation - nothing to do here!

Put CSS in the document head	A (100)	⬇️ AVG SCORE: 100%	CSS	HIGH
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You scored 100% on this recommendation - nothing to do here!

Serve resources from a consistent URL	A (100)	⬆️ AVG SCORE: 90%	CONTENT	HIGH
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You scored 100% on this recommendation - nothing to do here!

Serve scaled images	A (100)	⬆️ AVG SCORE: 70%	IMAGES	HIGH
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You scored 100% on this recommendation - nothing to do here!

Combine images using CSS sprites	A (100)	⬆️ AVG SCORE: 93%	IMAGES	HIGH
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You scored 100% on this recommendation - nothing to do here!

Avoid CSS @import	A (100)	⬇️ AVG SCORE: 98%	CSS	MEDIUM
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You scored 100% on this recommendation - nothing to do here!

Prefer asynchronous resources	A (100)	⬇️ AVG SCORE: 100%	JS	MEDIUM
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You scored 100% on this recommendation - nothing to do here!

Specify a character set early	A (100)	⬇️ AVG SCORE: 100%	CONTENT	MEDIUM
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You scored 100% on this recommendation - nothing to do here!

Specify image dimensions	A (100)	⬇️ AVG SCORE: 98%	IMAGES	MEDIUM
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You scored 100% on this recommendation - nothing to do here!

Avoid a character set in the meta tag

A (100)

◆ AVG SCORE: 100%

CONTENT

LOW

You scored 100% on this recommendation - nothing to do here!

Specify a Vary: Accept-Encoding header

A (100)

◆ AVG SCORE: 95%

SERVER

LOW

You scored 100% on this recommendation - nothing to do here!

YSlow Recommendations

RECOMMENDATION	GRADE	RELATIVE	TYPE	PRIORITY
Use a Content Delivery Network (CDN)	F (10)	▼ AVG SCORE: 26%	SERVER	MEDIUM

Using a CDN YSlow doesn't recognize? Specify your CDNs in your [User Settings](#).

There are 9 static components that are not on CDN.

- <http://www.ionenergy.ie/wp-content/cache/min/1/2293873ae12d254bdf1a49ac172d2d2e.css>
- <http://www.ionenergy.ie/wp-content/cache/busting/1/wp-includes/js/jquery/jquery-1.12.4-wp.js>
- <http://www.ionenergy.ie/wp-content/plugins/wp-rocket/assets/js/lazyload/1.1.0.6/lazyload.min.js>
- <http://www.ionenergy.ie/wp-content/cache/min/1/9185f5e05aa6bc5023a882cd42feb9f5.js>
- <http://www.ionenergy.ie/wp-content/uploads/2019/09/heating-control.jpg>
- <http://www.ionenergy.ie/wp-content/uploads/2019/07/women-daughter-kitchen-living.jpg>
- <http://www.ionenergy.ie/wp-content/uploads/2019/09/ring-burner-flames.jpg>
- <http://www.ionenergy.ie/wp-content/uploads/2019/07/ion-blue.jpg>
- <http://www.ionenergy.ie/wp-content/uploads/2019/08/ion-energy-logo.png>

Add Expires headers	B (89)	▲ AVG SCORE: 27%	SERVER	HIGH
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There is 1 static component without a far-future expiration date.

- <https://fonts.googleapis.com/css?family=Roboto%3A100%2C100italic%2C200%2C200italic%2C300%2C300italic%2C400%2C400italic%2C500%2C500italic%2C600%2C600italic%2C700%2C700italic%2C800%2C800italic%2C900%2C900italic%7CRoboto+Slab%3A100%2C100italic%2C200%2C200italic%2C300%2C300italic%2C400%2C400italic%2C500%2C500italic%2C600%2C600italic%2C700%2C700italic%2C800%2C800italic%2C900%2C900italic%7CPoppins%3A100%2C100italic%2C200%2C200italic%2C300%2C300italic%2C400%2C400italic%2C500%2C500italic%2C600%2C600italic%2C700%2C700italic%2C800%2C800italic%2C900%2C900italic%7CMontserrat%3A100%2C100italic%2C200%2C200italic%2C300%2C300italic%2C400%2C400italic%2C500%2C500italic%2C600%2C600italic%2C700%2C700italic%2C800%2C800italic%2C900%2C900italic&ver=5.2.3>

Compress components with gzip	B (89)	◆ AVG SCORE: 89%	SERVER	HIGH
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There is 1 plain text component that should be sent compressed

- <http://www.ionenergy.ie/>

Minify JavaScript and CSS	A (90)	▲ AVG SCORE: 72%	CSS/JS	MEDIUM
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There is 1 component that can be minified

- inline <script> tag #6

Make fewer HTTP requests	A (100)	▲ AVG SCORE: 31%	CONTENT	HIGH
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You scored 100% on this recommendation - nothing to do here!

Avoid URL redirects	A (100)	▲ AVG SCORE: 88%	CONTENT	MEDIUM
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You scored 100% on this recommendation - nothing to do here!

Make AJAX cacheable	A (100)	◆ AVG SCORE: 100%	JS	MEDIUM
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You scored 100% on this recommendation - nothing to do here!

Remove duplicate JavaScript and CSS	A (100)	◆ AVG SCORE: 100%	CSS/JS	MEDIUM
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You scored 100% on this recommendation - nothing to do here!

Avoid AlphasLoader filter	A (100)	◆ AVG SCORE: 99%	CSS	MEDIUM
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You scored 100% on this recommendation - nothing to do here!

Avoid HTTP 404 (Not Found) error	A (100)	◆ AVG SCORE: 98%	CONTENT	MEDIUM
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You scored 100% on this recommendation - nothing to do here!

Reduce the number of DOM elements	A (100)	▲ AVG SCORE: 92%	CONTENT	LOW
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You scored 100% on this recommendation - nothing to do here!

Use cookie-free domains	A (100)	▲ AVG SCORE: 54%	COOKIE	LOW
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You scored 100% on this recommendation - nothing to do here!

Use GET for AJAX requests	A (100)	◆ AVG SCORE: 100%	JS	LOW
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You scored 100% on this recommendation - nothing to do here!

Avoid CSS expressions	A (100)	◆ AVG SCORE: 99%	CSS	LOW
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You scored 100% on this recommendation - nothing to do here!

Reduce DNS lookups	A (100)	▲ AVG SCORE: 70%	CONTENT	LOW
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- www.ionenergy.ie: 12 components, 2045.6K (462.5K GZip)
- fonts.googleapis.com: 1 component, 92.9K (2.8K GZip)

Reduce cookie size	A (100)	◆ AVG SCORE: 100%	COOKIE	LOW
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You scored 100% on this recommendation - nothing to do here!

Make favicon small and cacheable	A (100)	◆ AVG SCORE: 100%	IMAGES	LOW
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You scored 100% on this recommendation - nothing to do here!

Configure entity tags (ETags)

A (100)

▲ AVG SCORE: 94%

SERVER

LOW

You scored 100% on this recommendation - nothing to do here!

Make JavaScript and CSS external

(n/a)

CSS/JS

MEDIUM

Only consider this if your property is a common user home page.

- There is a total of 4 inline css
- There is a total of 6 inline scripts