Performance Report for:
http://www.createce.co.uk/

Report generated:	Thu, Mar 14, 2024 3:37 AM -0700
Test Server Location:	🇬🇧 London, UK
Using:	Chrome 117.0.0.0, Lighthouse 11.0.0

A	Performance	Structure		L. Contentful Paint	T. Blocking Time	C. Layout Shift
	100%	96%		555ms	0ms	0.01

Top Issues

Med-Low	Use a Content Delivery Network (CDN)	23 resources found
Low	Allow back/forward cache restoration	1 failure reason
Low	Avoid an excessive DOM size TBT	653 elements
Low	Avoid enormous network payloads LCP	Total size was 292KB
Low	Avoid multiple page redirects FCP LCP	Potential savings of 22ms

Page Details

689ms
Fully Loaded Time

Total Page Size - 286KB

IMG 215KB	HTML 34.4KB	Font 31.5KB	

Total Page Requests - 30

IMG 73.3%	Font 13.3%	HTML 6.7%	JS 3.3%	Other 3.3%

- ■ HTML
- ■ JS
- ■ CSS
- ■ IMG
- ■ Video
- ■ Font
- ■ Other

How does this affect me?

Today's web user expects a fast and seamless website experience. Delivering that fast experience can result in increased visits, conversions and overall happiness.

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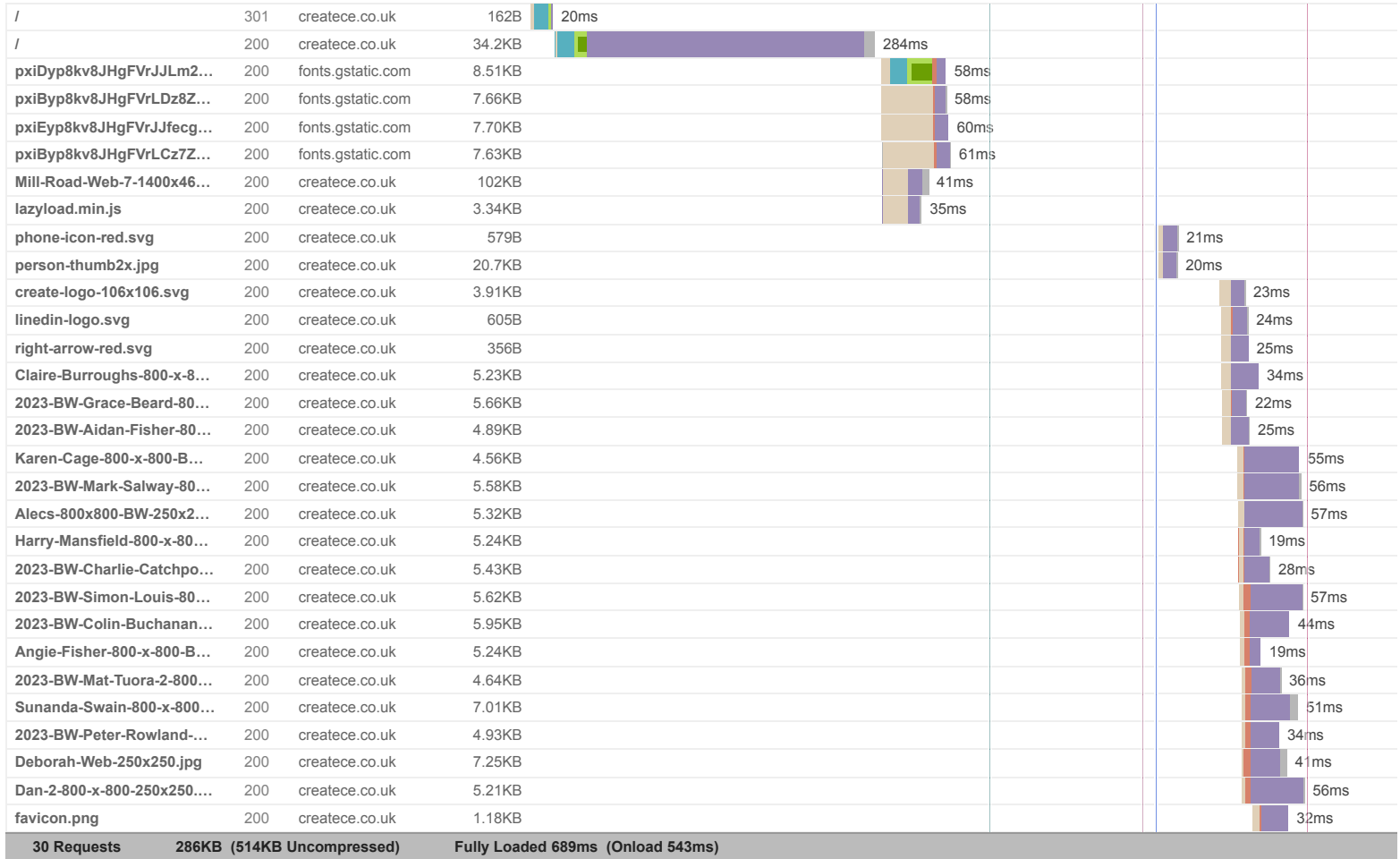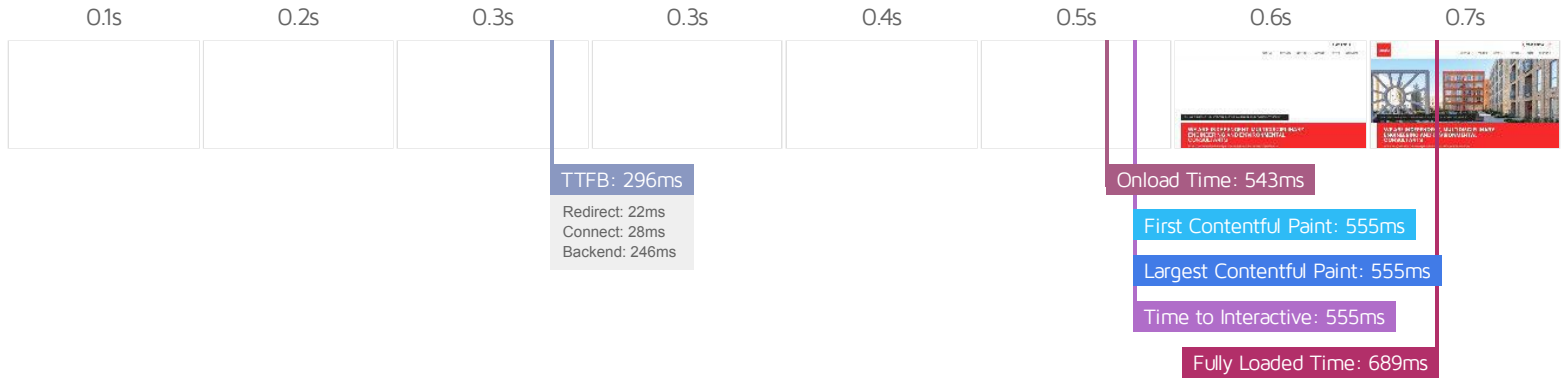
About GTmetrix

CARBON 60
THE MANAGED CLOUD COMPANY

GTmetrix is developed by the good folks at **Carbon60**, a Canadian hosting company with over 28 years experience in web technology.

https://carbon60.com/

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.

Homepage - Create Consulting Engineers

/	301	createce.co.uk	162B	20ms
/	200	createce.co.uk	34.2KB	284ms
pxiDyp8kv8JHgFVrJJLm2...	200	fonts.gstatic.com	8.51KB	58ms
pxiByp8kv8JHgFVrLDz8Z...	200	fonts.gstatic.com	7.66KB	58ms
pxiEyp8kv8JHgFVrJJfecg...	200	fonts.gstatic.com	7.70KB	60ms
pxiByp8kv8JHgFVrLCz7Z...	200	fonts.gstatic.com	7.63KB	61ms
Mill-Road-Web-7-1400x46...	200	createce.co.uk	102KB	41ms
lazyload.min.js	200	createce.co.uk	3.34KB	35ms
phone-icon-red.svg	200	createce.co.uk	579B	21ms
person-thumb2x.jpg	200	createce.co.uk	20.7KB	20ms
create-logo-106x106.svg	200	createce.co.uk	3.91KB	23ms
linedin-logo.svg	200	createce.co.uk	605B	24ms
right-arrow-red.svg	200	createce.co.uk	356B	25ms
Claire-Burroughs-800-x-8...	200	createce.co.uk	5.23KB	34ms
2023-BW-Grace-Beard-80...	200	createce.co.uk	5.66KB	22ms
2023-BW-Aidan-Fisher-80...	200	createce.co.uk	4.89KB	25ms
Karen-Cage-800-x-800-B...	200	createce.co.uk	4.56KB	55ms
2023-BW-Mark-Salway-80...	200	createce.co.uk	5.58KB	56ms
Alecs-800x800-BW-250x2...	200	createce.co.uk	5.32KB	57ms
Harry-Mansfield-800-x-80...	200	createce.co.uk	5.24KB	19ms
2023-BW-Charlie-Catchpo...	200	createce.co.uk	5.43KB	28ms
2023-BW-Simon-Louis-80...	200	createce.co.uk	5.62KB	57ms
2023-BW-Colin-Buchanan...	200	createce.co.uk	5.95KB	44ms
Angie-Fisher-800-x-800-B...	200	createce.co.uk	5.24KB	19ms
2023-BW-Mat-Tuora-2-800...	200	createce.co.uk	4.64KB	36ms
Sunanda-Swain-800-x-800...	200	createce.co.uk	7.01KB	51ms
2023-BW-Peter-Rowland-...	200	createce.co.uk	4.93KB	34ms
Deborah-Web-250x250.jpg	200	createce.co.uk	7.25KB	41ms
Dan-2-800-x-800-250x250....	200	createce.co.uk	5.21KB	56ms
favicon.png	200	createce.co.uk	1.18KB	32ms

30 Requests	286KB (514KB Uncompressed)	Fully Loaded 689ms (Onload 543ms)

0.1s	0.2s	0.3s	0.3s	0.4s	0.5s	0.6s	0.7s

TTFB: 296ms
Redirect: 22ms
Connect: 28ms
Backend: 246ms

Onload Time: 543ms

First Contentful Paint: 555ms

Largest Contentful Paint: 555ms

Time to Interactive: 555ms

Fully Loaded Time: 689ms

Performance Metrics

First Contentful Paint

How quickly content like text or images are painted onto your page. A good user experience is 0.9s or less.

Good - Nothing to do here

555ms

Time to Interactive

How long it takes for your page to become fully interactive. A good user experience is 2.5s or less.

Good - Nothing to do here

555ms

Speed Index

How quickly the contents of your page are visibly populated. A good user experience is 1.3s or less.

Good - Nothing to do here

596ms

Total Blocking Time

How much time is blocked by scripts during your page loading process. A good user experience is 150ms or less.

Good - Nothing to do here

0ms

Largest Contentful Paint

How long it takes for the largest element of content (e.g. a hero image) to be painted on your page. A good user experience is 1.2s or less.

Good - Nothing to do here

555ms

Cumulative Layout Shift

How much your page's layout shifts as it loads. A good user experience is a score of 0.1 or less.

Good - Nothing to do here

0.01

Browser Timings

Redirect	22ms	Connect	28ms	Backend	246ms
TTFB	296ms	DOM Int.	404ms	DOM Loaded	407ms
Onload	543ms	First Paint	555ms	Fully Loaded	689ms

IMPACT	AUDIT

| Low | **Efficiently encode images** | | Potential savings of 12.9KB |

Optimized images load faster and consume less cellular data.

URL	RESOURCE SIZE	POTENTIAL SAVINGS
https://createce.co.uk/wp-content/themes/create-ce/assets/images/person-thumb2x.jpg	20.7KB	12.9KB

| Low | **Avoid long main-thread tasks** TBT | | 1 long task found |

Lists the longest tasks on the main thread, useful for identifying worst contributors to input delay.

URL	START TIME	DURATION
• https://createce.co.uk/	417ms	68ms

| Low | **Serve images in next-gen formats** | | Potential savings of 41.6KB |

Image formats like WebP and AVIF often provide better compression than PNG or JPEG, which means faster downloads and less data consumption.

URL	RESOURCE SIZE	POTENTIAL SAVINGS
https://createce.co.uk/wp-content/uploads/2024/02/Mill-Road-Web-7-1400x468.jpg	102KB	24.2KB
https://createce.co.uk/wp-content/themes/create-ce/assets/images/person-thumb2x.jpg	20.7KB	17.5KB

| Low | **Reduce initial server response time** FCP LCP | | Root document took 246ms |

Keep the server response time for the main document short because all other requests depend on it.

URL	TIME SPENT
• https://createce.co.uk/	246ms

| Low | **Avoid chaining critical requests** FCP LCP | | 1 chain found |

The Critical Request Chains below show you what resources are loaded with a high priority. Consider reducing the length of chains, reducing the download size of resources, or deferring the download of unnecessary resources to improve page load.

Maximum critical path latency: **305ms**

INITIAL NAVIGATION

- http://www.createce.co.uk/ 191B, 20ms
  - https://createce.co.uk/ 34.5KB, 282ms

| N/A | **Largest Contentful Paint element** LCP | | 560 ms |

This is the largest contentful element painted within the viewport.

ELEMENT

body.home > header.header > div.front-page-image > img.attachment-2048x684-header

```
<img width="2048" height="684" src="https://createce.co.uk/wp-content/uploads/2024/02/Mill-Road-Web-7-1400x468…"
class="attachment-2048x684-header size-2048x684-header" alt="" decoding="async" srcset="https://createce.co.uk/wp-
content/uploads/2024/02/Mill-Road-Web-7-2048x684…" sizes="(max-width: 2048px) 100vw, 2048px">
```

PHASE	% OF LCP	TIMING
TTFB	54%	297ms
Load Delay	7%	38ms
Load Time	3%	19ms
Render Delay	36%	200ms

N/A	Reduce JavaScript execution time TBT	87ms spent executing JavaScript

Consider reducing the time spent parsing, compiling, and executing JS. You may find delivering smaller JS payloads helps with this.

URL	TOTAL CPU TIME	SCRIPT EVALUATION	SCRIPT PARSE
• https://createce.co.uk/	242ms	68ms	4ms
• Unattributable	142ms	14ms	0ms

N/A	Avoid large layout shifts CLS	5 elements found

These DOM elements contribute most to the CLS of the page.

ELEMENT	CLS CONTRIBUTION
WE ARE INDEPENDENT, MULTIDISCIPLINARY ENGINEERING AND ENVIRONMENTAL CONSULTANTS `<h1>`	0.01
ABOUT US PROJECTS SECTORS SERVICES POSTS CONTACT US `<nav role="navigation" class="nav-menu w-nav-menu">`	0.00
Since 2009, we have delivered personable and accountable technical services to … `<p class="front-page-proposition-para">`	0.00
IRONWORKS, MILL ROAD, CAMBRIDGE (IMAGE: CAMBRIDGE INVESTMENT PARTNERSHIP) `<div>`	0.00
01603 877010 `<a href="tel:01603 877010" class="nav-telephone-text">`	0.00

N/A	Minimize main-thread work TBT	Main-thread busy for 426ms

Consider reducing the time spent parsing, compiling and executing JS. You may find delivering smaller JS payloads helps with this.

CATEGORY	TIME SPENT
Other	162ms
Script Evaluation	121ms
Style & Layout	97ms
Rendering	26ms
Parse HTML & CSS	14ms
Script Parsing & Compilation	4ms

N/A	**Reduce the impact of third-party code** TBT	Total size was 32.4KB

Third-party code can significantly impact load performance. Limit the number of redundant third-party providers and try to load third-party code after your page has primarily finished loading.

THIRD-PARTY	TRANSFER SIZE	MAIN-THREAD BLOCKING TIME
GOOGLE FONTS	32.4KB	0ms
• https://fonts.gstatic.com/s/poppins/v20/pxiDyp8kv8JHgFVrJJLm21lVF9eO.woff2	9.03KB	0ms
• https://fonts.gstatic.com/s/poppins/v20/pxiEyp8kv8JHgFVrJJfecg.woff2	7.81KB	0ms
• https://fonts.gstatic.com/s/poppins/v20/pxiByp8kv8JHgFVrLDz8Z1xlFQ.woff2	7.77KB	0ms
• https://fonts.gstatic.com/s/poppins/v20/pxiByp8kv8JHgFVrLCz7Z1xlFQ.woff2	7.75KB	0ms

N/A	**Eliminate render-blocking resources** FCP LCP

Nothing to do here, good job!

N/A	**Avoid serving legacy JavaScript to modern browsers** TBT

Nothing to do here, good job!

N/A	**User Timing marks and measures**

No user timings and/or marks found.