Performance Report for:

http://www.supplychain.nhs.uk/

Report generated: Thu, Mar 14, 2024 5:40 AM -0700
Test Server Location: 🇬🇧 London, UK
Using: Chrome 117.0.0.0, Lighthouse 11.0.0

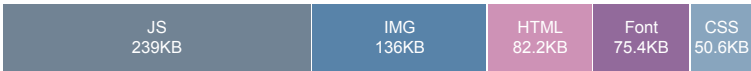| B	Performance	Structure		L. Contentful Paint	T. Blocking Time	C. Layout Shift
	78%	**97%**		**2.2s**	**0ms**	**0**

Top Issues

High	Reduce initial server response time FCP LCP	Root document took 1.7s
Med-Low	**Serve static assets with an efficient cache policy**	Potential savings of 201KB
Med-Low	**Use a Content Delivery Network (CDN)**	12 resources found
Low	**Avoid chaining critical requests** FCP LCP	5 chains found
Low	**Avoid an excessive DOM size** TBT	496 elements

Page Details

2.3s
Fully Loaded Time

Total Page Size - 586KB

JS 239KB	IMG 136KB	HTML 82.2KB	Font 75.4KB	CSS 50.6KB

Total Page Requests - 28

IMG 50%	JS 28.6%	CSS 10.7%	HTML 3.6%	Font 3.6%	Other 3.6%

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.**
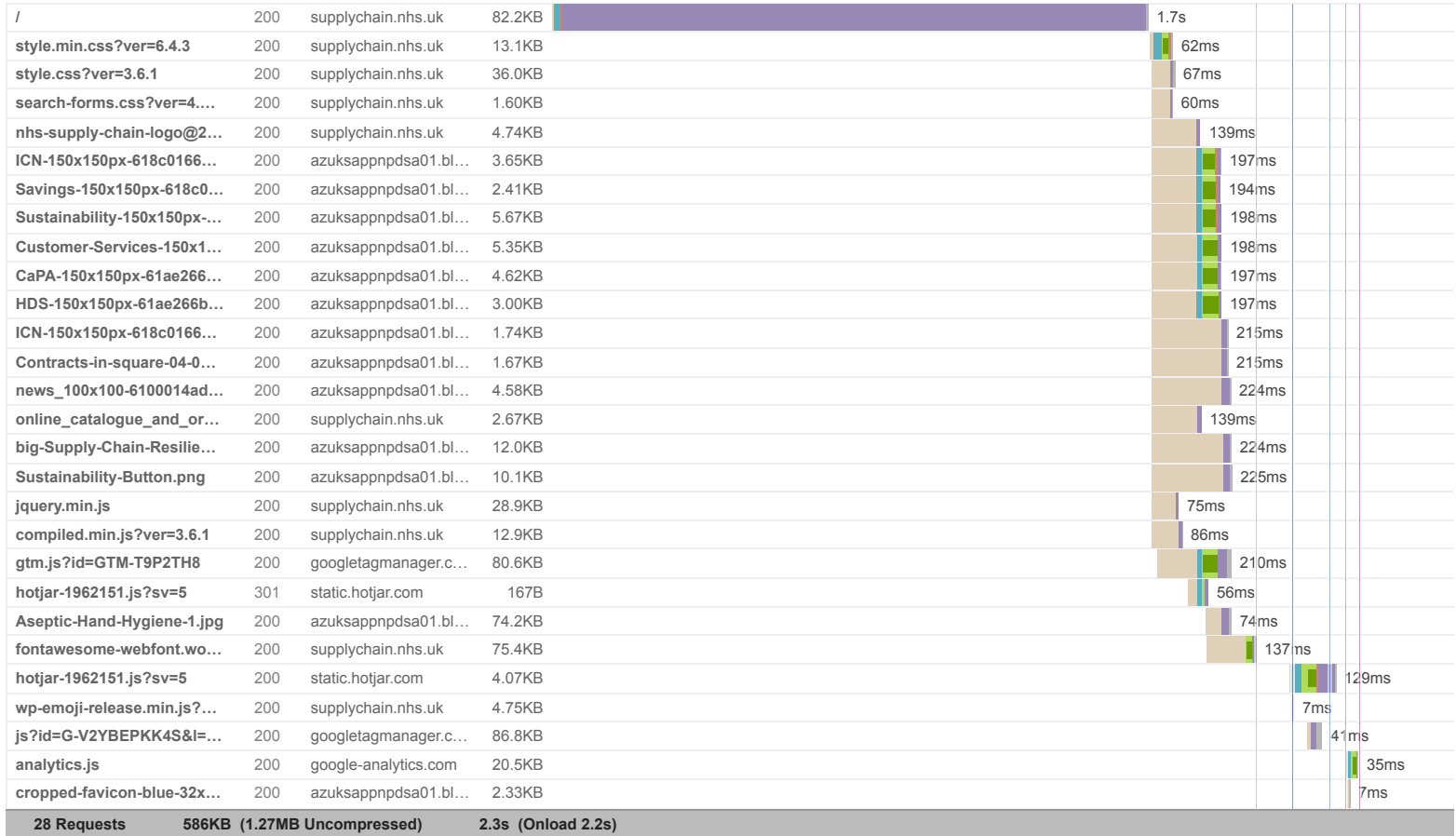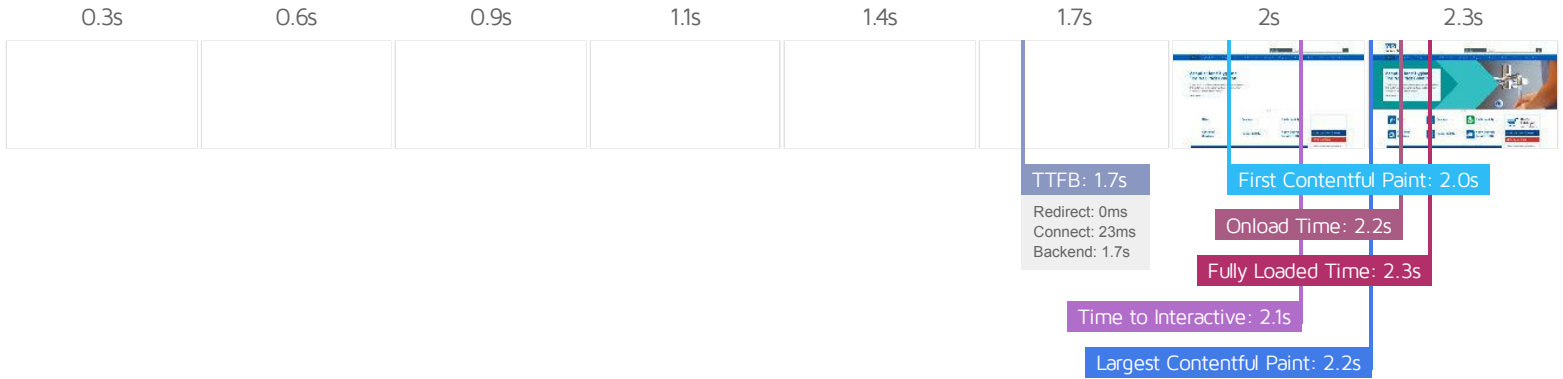
About GTmetrix

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.

NHS Supply Chain

File	Status	Domain	Size	Time
/	200	supplychain.nhs.uk	82.2KB	1.7s
style.min.css?ver=6.4.3	200	supplychain.nhs.uk	13.1KB	62ms
style.css?ver=3.6.1	200	supplychain.nhs.uk	36.0KB	67ms
search-forms.css?ver=4....	200	supplychain.nhs.uk	1.60KB	60ms
nhs-supply-chain-logo@2...	200	supplychain.nhs.uk	4.74KB	139ms
ICN-150x150px-618c0166...	200	azuksappnpdsa01.bl...	3.65KB	197ms
Savings-150x150px-618c0...	200	azuksappnpdsa01.bl...	2.41KB	194ms
Sustainability-150x150px-...	200	azuksappnpdsa01.bl...	5.67KB	198ms
Customer-Services-150x1...	200	azuksappnpdsa01.bl...	5.35KB	198ms
CaPA-150x150px-61ae266...	200	azuksappnpdsa01.bl...	4.62KB	197ms
HDS-150x150px-61ae266b...	200	azuksappnpdsa01.bl...	3.00KB	197ms
ICN-150x150px-618c0166...	200	azuksappnpdsa01.bl...	1.74KB	215ms
Contracts-in-square-04-0...	200	azuksappnpdsa01.bl...	1.67KB	215ms
news_100x100-6100014ad...	200	azuksappnpdsa01.bl...	4.58KB	224ms
online_catalogue_and_or...	200	supplychain.nhs.uk	2.67KB	139ms
big-Supply-Chain-Resilie...	200	azuksappnpdsa01.bl...	12.0KB	224ms
Sustainability-Button.png	200	azuksappnpdsa01.bl...	10.1KB	225ms
jquery.min.js	200	supplychain.nhs.uk	28.9KB	75ms
compiled.min.js?ver=3.6.1	200	supplychain.nhs.uk	12.9KB	86ms
gtm.js?id=GTM-T9P2TH8	200	googletagmanager.c...	80.6KB	210ms
hotjar-1962151.js?sv=5	301	static.hotjar.com	167B	56ms
Aseptic-Hand-Hygiene-1.jpg	200	azuksappnpdsa01.bl...	74.2KB	74ms
fontawesome-webfont.wo...	200	supplychain.nhs.uk	75.4KB	137ms
hotjar-1962151.js?sv=5	200	static.hotjar.com	4.07KB	129ms
wp-emoji-release.min.js?...	200	supplychain.nhs.uk	4.75KB	7ms
js?id=G-V2YBEPKK4S&l=...	200	googletagmanager.c...	86.8KB	41ms
analytics.js	200	google-analytics.com	20.5KB	35ms
cropped-favicon-blue-32x...	200	azuksappnpdsa01.bl...	2.33KB	7ms

28 Requests	586KB (1.27MB Uncompressed)	2.3s (Onload 2.2s)

0.3s	0.6s	0.9s	1.1s	1.4s	1.7s	2s	2.3s

TTFB: 1.7s
Redirect: 0ms
Connect: 23ms
Backend: 1.7s

First Contentful Paint: 2.0s

Onload Time: 2.2s

Fully Loaded Time: 2.3s

Time to Interactive: 2.1s

Largest Contentful Paint: 2.2s

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.

Much longer than recommended

2.0s

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

2.1s

Speed Index

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

Longer than recommended

2.1s

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.

Longer than recommended

2.2s

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

Browser Timings

Redirect	0ms	Connect	23ms	Backend	1.7s
TTFB	1.7s	First Paint	2.0s	DOM Int.	2.1s
DOM Loaded	2.1s	Onload	2.2s	Fully Loaded	2.3s

| IMPACT | AUDIT |

| Low | **Enable text compression** FCP LCP | Potential savings of 66.8KB |

Text-based resources should be served with compression (gzip, deflate or brotli) to minimize total network bytes.

URL	TRANSFER SIZE	POTENTIAL SAVINGS
• http://www.supplychain.nhs.uk/	81.2KB	66.8KB

| Low | **Avoid enormous network payloads** LCP | Total size was 588KB |

Large network payloads cost users real money and are highly correlated with long load times.

URL	TRANSFER SIZE
• https://www.googletagmanager.com/gtag/js?id=G-V2YBEPKK4S&l=dataLayer&cx=c	86.9KB
• http://www.supplychain.nhs.uk/	82.3KB
• https://www.googletagmanager.com/gtm.js?id=GTM-T9P2TH8	81.0KB
• https://www.supplychain.nhs.uk/wp-content/themes/supplychain/assets/fonts/fontawesome//fontawesome-webfont.woff2?v=4.7.0	75.8KB
• https://azuksappnpdsa01.blob.core.windows.net/datashare/Aseptic-Hand-Hygiene-1.jpg	74.2KB
• https://www.supplychain.nhs.uk/wp-content/themes/supplychain/style.css?ver=3.6.1	36.0KB
• https://www.supplychain.nhs.uk/wp-content/themes/supplychain/components/jquery/jquery.min.js	28.9KB
• https://www.google-analytics.com/analytics.js	20.8KB
• https://www.supplychain.nhs.uk/wp-includes/css/dist/block-library/style.min.css?ver=6.4.3	13.1KB
• https://www.supplychain.nhs.uk/wp-content/themes/supplychain/assets/js/compiled/compiled.min.js?ver=3.6.1	12.9KB

| Low | **Properly size images** | Potential savings of 24.9KB |

Serve images that are appropriately-sized to save cellular data and improve load time.

URL	RESOURCE SIZE	POTENTIAL SAVINGS
https://azuksappnpdsa01.blob.core.windows.net/datashare/Sustainability-Button.png	9.67KB	8.44KB
https://azuksappnpdsa01.blob.core.windows.net/datashare/big-Supply-Chain-Resilience.png	11.6KB	7.95KB
https://azuksappnpdsa01.blob.core.windows.net/datashare/Sustainability-150x150px-61ae266d07dac.png	5.22KB	4.38KB
https://azuksappnpdsa01.blob.core.windows.net/datashare/Customer-Services-150x150px-618c03c72a646.png	4.90KB	4.12KB

| Low | **Efficiently encode images** | Potential savings of 14.3KB |

Optimized images load faster and consume less cellular data.

URL	RESOURCE SIZE	POTENTIAL SAVINGS
https://azuksappnpdsa01.blob.core.windows.net/datashare/Aseptic-Hand-Hygiene-1.jpg	73.8KB	14.3KB

| Low | **Ensure text remains visible during webfont load** FCP LCP | 1 font found |

Leverage the `font-display` CSS feature to ensure text is user-visible while webfonts are loading.

URL	POTENTIAL SAVINGS
• https://www.supplychain.nhs.uk/wp-content/themes/supplychain/assets/fonts/fontawesome//fontawesome-webfont.woff2?v=4.7.0	29ms

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
• http://www.supplychain.nhs.uk/	1.8s	73ms

Low	**Reduce unused CSS** FCP LCP	Potential savings of 46.2KB

Reduce unused rules from stylesheets and defer CSS not used for above-the-fold content to decrease bytes consumed by network activity.

URL	TRANSFER SIZE	POTENTIAL SAVINGS
• https://www.supplychain.nhs.uk/wp-content/themes/supplychain/style.css?ver=3.6.1	36.0KB	33.2KB
• https://www.supplychain.nhs.uk/wp-includes/css/dist/block-library/style.min.css?ver=6.4.3	13.1KB	13.0KB

Low	**Serve images in next-gen formats**	Potential savings of 57.3KB

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://azuksappnpdsa01.blob.core.windows.net/datashare/Aseptic-Hand-Hygiene-1.jpg	73.8KB	49.1KB
https://azuksappnpdsa01.blob.core.windows.net/datashare/big-Supply-Chain-Resilience.png	11.6KB	8.17KB

Low	**Defer offscreen images**	Potential savings of 65.5KB

Consider lazy-loading offscreen and hidden images after all critical resources have finished loading to lower time to interactive.

URL	RESOURCE SIZE	POTENTIAL SAVINGS
https://azuksappnpdsa01.blob.core.windows.net/datashare/Aseptic-Hand-Hygiene-1.jpg	73.8KB	65.5KB

Low	**Reduce unused JavaScript** LCP	Potential savings of 78.0KB

Reduce unused JavaScript and defer loading scripts until they are required to decrease bytes consumed by network activity.

URL	TRANSFER SIZE	POTENTIAL SAVINGS
https://www.googletagmanager.com/gtag/js?id=G-V2YBEPKK4S&l=dataLayer&cx=c	86.9KB	42.2KB
https://www.googletagmanager.com/gtm.js?id=GTM-T9P2TH8	81.0KB	35.8KB

Low	**Use HTTP/2 for all resources**	13 requests not served via HTTP/2

HTTP/2 offers many benefits over HTTP/1.1, including binary headers and multiplexing.

- https://azuksappnpdsa01.blob.core.windows.net/datashare/ICN-150x150px-618c016648d09.png   http/1.1
- https://azuksappnpdsa01.blob.core.windows.net/datashare/Savings-150x150px-618c0235083dd.png   http/1.1
- https://azuksappnpdsa01.blob.core.windows.net/datashare/Sustainability-150x150px-61ae266d07dac.png   http/1.1
- https://azuksappnpdsa01.blob.core.windows.net/datashare/Customer-Services-150x150px-618c03c72a646.png   http/1.1
- https://azuksappnpdsa01.blob.core.windows.net/datashare/CaPA-150x150px-61ae2668d0fcb.png   http/1.1
- https://azuksappnpdsa01.blob.core.windows.net/datashare/HDS-150x150px-61ae266b2c6a6.png   http/1.1
- https://azuksappnpdsa01.blob.core.windows.net/datashare/ICN-150x150px-618c016648d09-150x150.png   http/1.1
- https://azuksappnpdsa01.blob.core.windows.net/datashare/Contracts-in-square-04-06-21-150x150px-618cfbb9b0144-150x150.png   http/1.1
- https://azuksappnpdsa01.blob.core.windows.net/datashare/news_100x100-6100014ad677f.png   http/1.1
- https://azuksappnpdsa01.blob.core.windows.net/datashare/big-Supply-Chain-Resilience.png   http/1.1
- https://azuksappnpdsa01.blob.core.windows.net/datashare/Sustainability-Button.png   http/1.1
- https://azuksappnpdsa01.blob.core.windows.net/datashare/Aseptic-Hand-Hygiene-1.jpg   http/1.1
- https://azuksappnpdsa01.blob.core.windows.net/datashare/cropped-favicon-blue-32x32.png   http/1.1

N/A	**Largest Contentful Paint element** LCP	2,180 ms

This is the largest contentful element painted within the viewport.

ELEMENT

```
…
<div class="hero-bg" style="background-image: url(&quot;https://azuksappnpdsa01.blob.core.windows.net/datasha…
&quot;);">
```

PHASE	% OF LCP	TIMING
TTFB	77%	1.7s
Load Delay	10%	212ms
Load Time	1%	28ms
Render Delay	12%	268ms

N/A	**Eliminate render-blocking resources** FCP LCP	Potential savings of 0 ms

Resources are blocking the first paint of your page. Consider delivering critical JS/CSS inline and deferring all non-critical JS/styles.

Resources that **may** be contributing to render-blocking include:

URL	TRANSFER SIZE	DOWNLOAD TIME
- https://www.supplychain.nhs.uk/wp-includes/css/dist/block-library/style.min.css?ver=6.4.3	13.1KB	457ms
- https://www.supplychain.nhs.uk/wp-content/themes/supplychain/style.css?ver=3.6.1	36.0KB	300ms

N/A	**Reduce JavaScript execution time** TBT	26ms 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
• Unattributable	169ms	12ms	0ms
• http://www.supplychain.nhs.uk/	135ms	12ms	2ms

N/A	**Avoid serving legacy JavaScript to modern browsers** TBT	Potential savings of 78B

Polyfills and transforms enable legacy browsers to use new JavaScript features. However, many aren't necessary for modern browsers. For your bundled JavaScript, adopt a modern script deployment strategy using module/nomodule feature detection to reduce the amount of code shipped to modern browsers, while retaining support for legacy browsers.

URL	POTENTIAL SAVINGS
http://static.hotjar.com/c/hotjar-1962151.js?sv=5	78B
Line:2 Column:921 `@babel/plugin-transform-classes`	

N/A	**Avoid large layout shifts** CLS	1 element found

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

ELEMENT	CLS CONTRIBUTION
My Supply Chain `<h3 class="panel-title" aria-label="View the My Supply Chain Page">`	0.00

N/A	**Minimize main-thread work** TBT	Main-thread busy for 531ms

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

CATEGORY	TIME SPENT
Other	215ms
Script Evaluation	178ms
Style & Layout	72ms
Parse HTML & CSS	39ms
Script Parsing & Compilation	13ms
Rendering	10ms

N/A	**Reduce the impact of third-party code** TBT	Total size was 325KB

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 TAG MANAGER	168KB	0ms
• https://www.googletagmanager.com/gtag/js?id=G-V2YBEPKK4S&l=dataLayer&cx=c	86.9KB	0ms
• https://www.googletagmanager.com/gtm.js?id=GTM-T9P2TH8	81.0KB	0ms
AZURE WEB SERVICES	131KB	0ms
• https://azuksappnpdsa01.blob.core.windows.net/datashare/Aseptic-Hand-Hygiene-1.jpg	74.2KB	0ms
• https://azuksappnpdsa01.blob.core.windows.net/datashare/big-Supply-Chain-Resilience.png	12.0KB	0ms
• https://azuksappnpdsa01.blob.core.windows.net/datashare/Sustainability-Button.png	10.1KB	0ms
• Other resources	35.0KB	0ms
GOOGLE ANALYTICS	20.8KB	0ms
• https://www.google-analytics.com/analytics.js	20.8KB	0ms
HOTJAR	4.48KB	0ms
• https://static.hotjar.com/c/hotjar-1962151.js?sv=5	4.07KB	0ms

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

No user timings and/or marks found.