



# Performance Report for:

<http://www.colasrail.co.uk/>

Report generated: Thu, Mar 14, 2024 3:28 AM -0700  
 Test Server Location: London, UK  
 Using: Chrome 117.0.0.0, Lighthouse 11.0.0

<b>B</b>	Performance	Structure	L. Contentful Paint	T. Blocking Time	C. Layout Shift
	84%	75%	1.4s	237ms	0.01

## Top Issues

High	Avoid enormous network payloads <small>LCP</small>	Total size was 5.69MB
Med	Use explicit width and height on image elements <small>CLS</small>	2 images found
Med-Low	Use a Content Delivery Network (CDN)	33 resources found
Med-Low	Serve static assets with an efficient cache policy	Potential savings of 179KB
Med-Low	Lazy load third-party resources with facades <small>TBT</small>	1 facade alternative available

## Page Details



Total Page Size - 5.68MB



Total Page Requests - 72



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

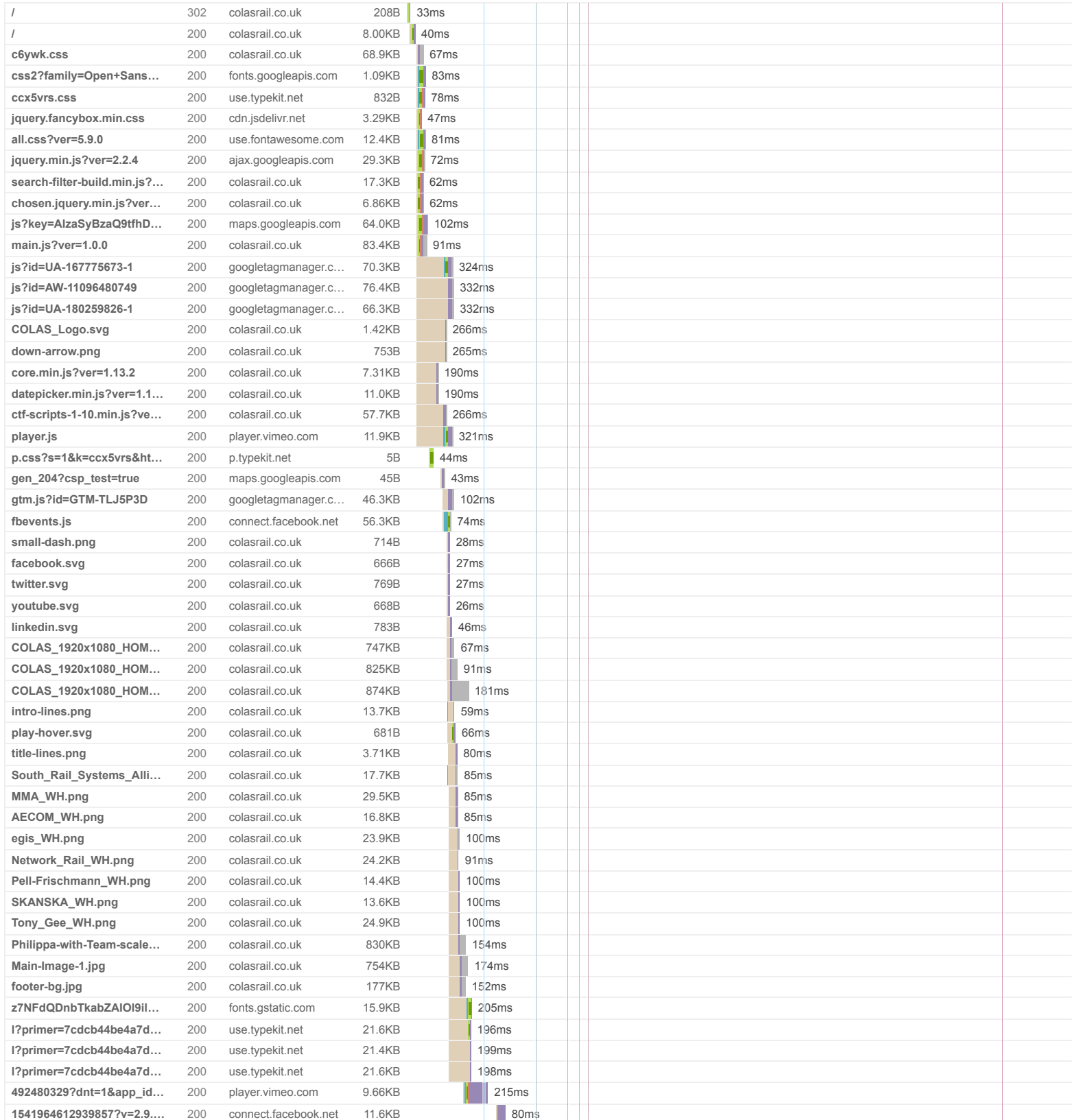


GTmetrix is developed by the good folks at **Carbon60**, a Canadian hosting company with over 28 years experience in web technology.

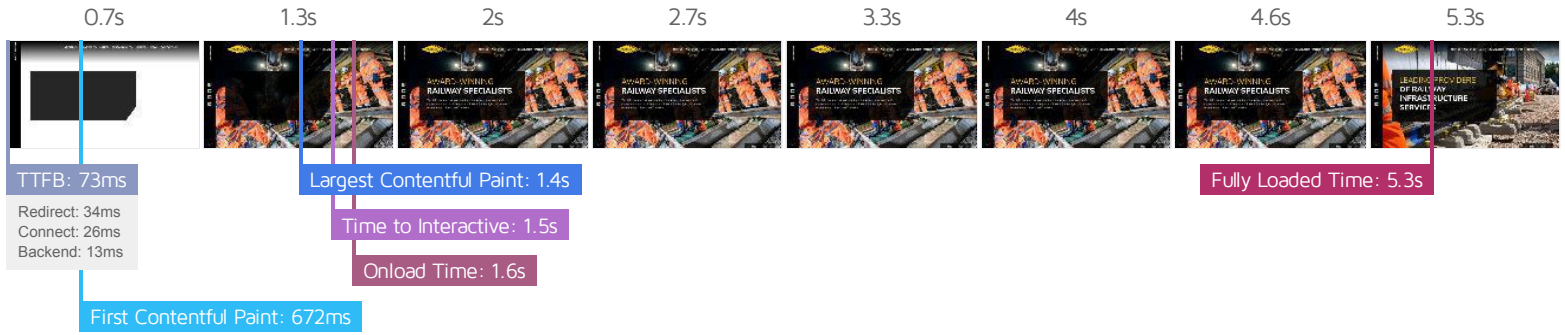
<https://carbon60.com/>

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.

Home | Colas Rail UK



player.module.js	200	f.vimeocdn.com	138KB	72ms	
vendor.module.js	200	f.vimeocdn.com	100KB	71ms	
player.css	200	f.vimeocdn.com	21.6KB	44ms	
1018373857-7f93abebab1...	200	i.vimeocdn.com	1.87KB	48ms	
ctf-sprite.png	200	colasrail.co.uk	4.48KB	14ms	
fa-solid-900.woff2	200	use.fontawesome.com	73.7KB	313ms	
js?id=G-PS5GZT7CTF&l=...	200	googletagmanager.c...	82.6KB	51ms	
analytics.js	200	google-analytics.com	20.5KB	51ms	
cast_sender.js?loadCastF...	200	gstatic.com	1.96KB	63ms	
1018373857-7f93abebab1...	200	i.vimeocdn.com	37.5KB	12ms	
11096480749?random=17...	200	googleads.g.doublec...	1.26KB	59ms	
tr?id=1541964612939857...	200	facebook.com	273B	57ms	
11096480749?random=17...	200	google.com	42B	54ms	
11096480749?random=17...	200	google.co.uk	42B	48ms	
cast_framework.js	200	gstatic.com	11.9KB	33ms	
cast_sender.js	200	gstatic.com	15.0KB	19ms	
COLAS_Logo.svg	200	colasrail.co.uk	0	5ms	
common.js	200	maps.googleapis.com	55.6KB		15ms
util.js	200	maps.googleapis.com	55.8KB		16ms
<b>72 Requests</b>		<b>5.68MB (10.3MB Uncompressed)</b>		<b>Fully Loaded 5.3s (Onload 1.6s)</b>	



### Performance Metrics

<p><b>First Contentful Paint</b></p> <p>How quickly content like text or images are painted onto your page. A good user experience is 0.9s or less.</p>	<p>Good - Nothing to do here</p> <p><b>672ms</b></p>	<p><b>Time to Interactive</b></p> <p>How long it takes for your page to become fully interactive. A good user experience is 2.5s or less.</p>	<p>Good - Nothing to do here</p> <p><b>1.5s</b></p>
<p><b>Speed Index</b></p> <p>How quickly the contents of your page are visibly populated. A good user experience is 1.3s or less.</p>	<p>Longer than recommended</p> <p><b>1.9s</b></p>	<p><b>Total Blocking Time</b></p> <p>How much time is blocked by scripts during your page loading process. A good user experience is 150ms or less.</p>	<p>Longer than recommended</p> <p><b>237ms</b></p>
<p><b>Largest Contentful Paint</b></p> <p>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.</p>	<p>OK, but consider improvement</p> <p><b>1.4s</b></p>	<p><b>Cumulative Layout Shift</b></p> <p>How much your page's layout shifts as it loads. A good user experience is a score of 0.1 or less.</p>	<p>Good - Nothing to do here</p> <p><b>0.01</b></p>

### Browser Timings

Redirect	34ms	Connect	26ms	Backend	13ms
TTFB	73ms	First Paint	672ms	DOM Int.	913ms
DOM Loaded	1.1s	Onload	1.6s	Fully Loaded	5.3s

IMPACT AUDIT

Med-Low

**Avoid CSS @import** FCP LCP

1 resource found

Using CSS @import in an external stylesheet can add additional delays during the loading of a web page.

STYLESHEETS WITH @IMPORT STATEMENTS AND THE STYLESHEETS THEY IMPORT

<https://use.typekit.net/ccx5vrs.css>

<https://p.typekit.net/p.css?s=1&k=ccx5vrs&ht=tk&f=15779.15782.37491.37495.37497.42300.42302&a=26419676&app=typekit&e=css>

Low

**Use passive listeners to improve scrolling performance**

1 event listener not passive

Consider marking your touch and wheel event listeners as `passive` to improve your page's scroll performance.

URL

LOCATION

• <https://ajax.googleapis.com/ajax/libs/jquery/2.2.4/jquery.min.js?ver=2.2.4>

Line:2

Low

**Allow back/forward cache restoration**

2 failure reasons

Many navigations are performed by going back to a previous page, or forwards again. The back/forward cache (bfcache) can speed up these return navigations.

FAILURE REASON

FAILURE TYPE

Pages that use WebXR are not currently eligible for back/forward cache.

Actionable

[https://player.vimeo.com/video/492480329?dnt=1&app\\_id=122963](https://player.vimeo.com/video/492480329?dnt=1&app_id=122963)

Pages whose main resource has cache-control:no-store cannot enter back/forward cache.

Circumstantial

<https://colasrail.co.uk/>

Low

**Eliminate render-blocking resources** FCP LCP

Potential savings of 66ms

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
<a href="https://colasrail.co.uk/wp-content/cache/wpfc-minified/kogwdxtd/c6ywk.css">https://colasrail.co.uk/wp-content/cache/wpfc-minified/kogwdxtd/c6ywk.css</a>	68.9KB	2.7s
<a href="https://fonts.googleapis.com/css2?family=Open+Sans+Condensed:wght@300;700&amp;display=swap">https://fonts.googleapis.com/css2?family=Open+Sans+Condensed:wght@300;700&amp;display=swap</a>	1.09KB	771ms
<a href="https://use.typekit.net/ccx5vrs.css">https://use.typekit.net/ccx5vrs.css</a>	1.03KB	759ms
<a href="https://cdn.jsdelivr.net/gh/fancyapps/fancybox@3.5.7/dist/jquery.fancybox.min.css">https://cdn.jsdelivr.net/gh/fancyapps/fancybox@3.5.7/dist/jquery.fancybox.min.css</a>	3.75KB	759ms
<a href="https://use.fontawesome.com/releases/v5.9.0/css/all.css?ver=5.9.0">https://use.fontawesome.com/releases/v5.9.0/css/all.css?ver=5.9.0</a>	12.4KB	1.2s
<a href="https://ajax.googleapis.com/ajax/libs/jquery/2.2.4/jquery.min.js?ver=2.2.4">https://ajax.googleapis.com/ajax/libs/jquery/2.2.4/jquery.min.js?ver=2.2.4</a>	29.9KB	2.0s
<a href="https://colasrail.co.uk/wp-content/plugins/search-filter-pro/public/assets/js/search-filter-build.min.js?ver=2.3.4">https://colasrail.co.uk/wp-content/plugins/search-filter-pro/public/assets/js/search-filter-build.min.js?ver=2.3.4</a>	17.3KB	1.4s
<a href="https://colasrail.co.uk/wp-content/plugins/search-filter-pro/public/assets/js/chosen.jquery.min.js?ver=2.3.4">https://colasrail.co.uk/wp-content/plugins/search-filter-pro/public/assets/js/chosen.jquery.min.js?ver=2.3.4</a>	6.86KB	785ms
<a href="https://maps.googleapis.com/maps/api/js?key=AlzaSyBzaQ9tfhDWva24kLL6rgz8CuyL1X3mhoE&amp;ver=1">https://maps.googleapis.com/maps/api/js?key=AlzaSyBzaQ9tfhDWva24kLL6rgz8CuyL1X3mhoE&amp;ver=1</a>	64.4KB	2.9s
<a href="https://colasrail.co.uk/wp-content/themes/colasrailtheme/dist/js/main.js?ver=1.0.0">https://colasrail.co.uk/wp-content/themes/colasrailtheme/dist/js/main.js?ver=1.0.0</a>	83.4KB	3.1s

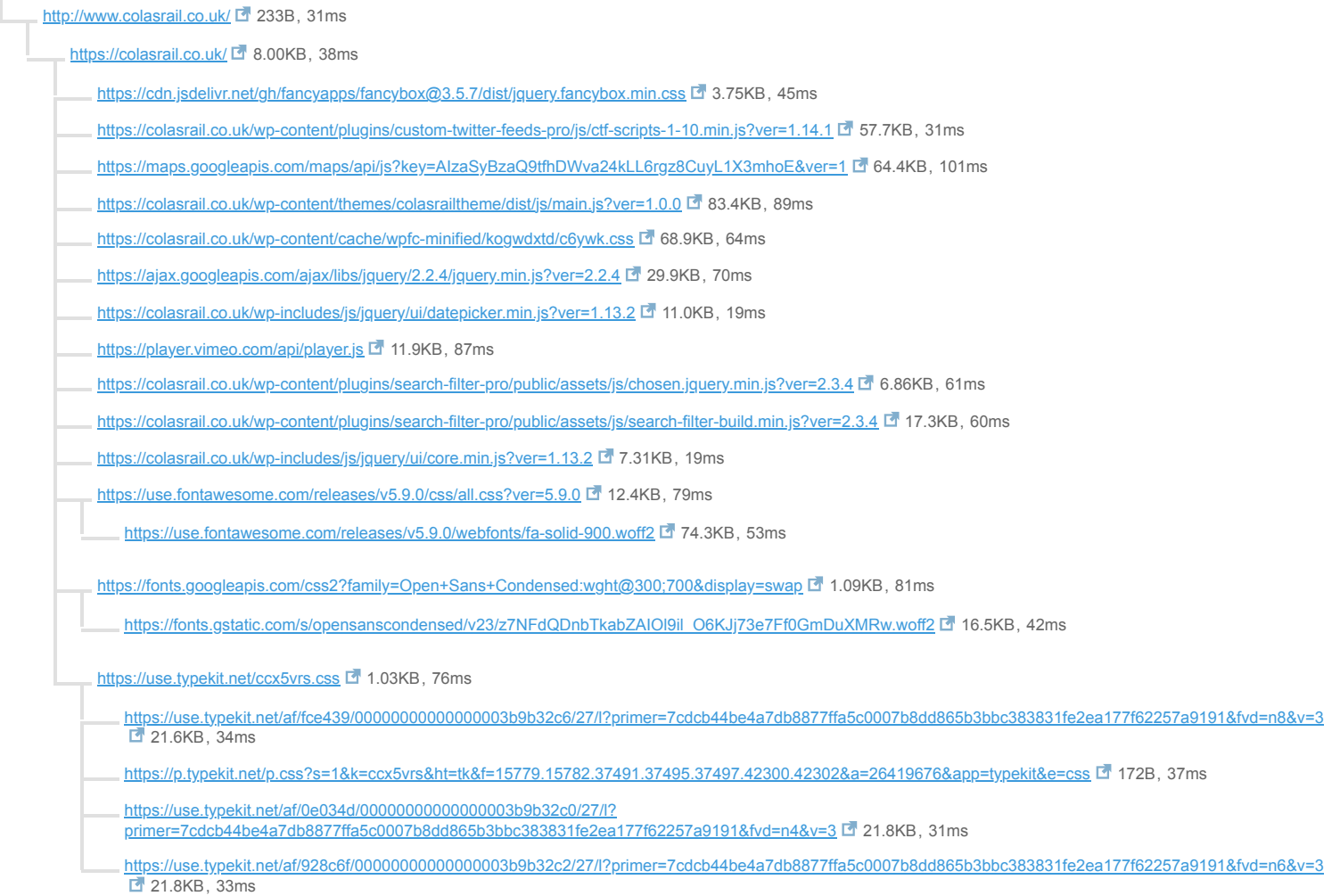
Lists the longest tasks on the main thread, useful for identifying worst contributors to input delay.

URL	START TIME	DURATION
<a href="https://maps.googleapis.com/maps/api/js?key=AlzaSyBzaQ9tfhDWva24kLL6rgz8CuyL1X3mhoE&amp;ver=1">https://maps.googleapis.com/maps/api/js?key=AlzaSyBzaQ9tfhDWva24kLL6rgz8CuyL1X3mhoE&amp;ver=1</a>	914ms	234ms
<a href="https://colasrail.co.uk/">https://colasrail.co.uk/</a>	350ms	144ms
<a href="https://www.googletagmanager.com/gtag/js?id=AW-11096480749">https://www.googletagmanager.com/gtag/js?id=AW-11096480749</a>	1.3s	72ms
<a href="https://colasrail.co.uk/">https://colasrail.co.uk/</a>	1.1s	66ms
<a href="https://www.googletagmanager.com/gtag/js?id=G-PS5GZT7CTF&amp;l=dataLayer&amp;cx=c">https://www.googletagmanager.com/gtag/js?id=G-PS5GZT7CTF&amp;l=dataLayer&amp;cx=c</a>	1.5s	63ms
<a href="https://colasrail.co.uk/wp-content/plugins/search-filter-pro/public/assets/js/search-filter-build.min.js?ver=2.3.4">https://colasrail.co.uk/wp-content/plugins/search-filter-pro/public/assets/js/search-filter-build.min.js?ver=2.3.4</a>	276ms	50ms

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: 1.4s

#### INITIAL NAVIGATION



Low

**Avoid an excessive DOM size** TBT

423 elements

A large DOM will increase memory usage, cause longer style calculations, and produce costly layout reflows.

STATISTIC	ELEMENT	VALUE
Total DOM Elements		423
Maximum DOM Depth	Who We Are <code>&lt;a href="https://colasrail.co.uk/who-we-are/" class="dropdown-item"&gt;</code>	14
Maximum Child Elements	body.home <code>&lt;body class="home page-template-default page page-id-7 pagename-home" data-aos-easing="ease" data-aos-duration="400" data-aos-delay="0"&gt;</code>	9

Low

**Avoid multiple page redirects** FCP LCP

Potential savings of 31ms

Redirects introduce additional delays before the page can be loaded.

URL	TIME SPENT
• <a href="http://www.colasrail.co.uk/">http://www.colasrail.co.uk/</a>	31ms
• <a href="https://colasrail.co.uk/">https://colasrail.co.uk/</a>	0ms

Low

**Efficiently encode images**

Potential savings of 550KB

Optimized images load faster and consume less cellular data.

URL	RESOURCE SIZE	POTENTIAL SAVINGS
<a href="https://colasrail.co.uk/wp-content/uploads/2024/02/Main-Image-1.jpg">https://colasrail.co.uk/wp-content/uploads/2024/02/Main-Image-1.jpg</a>	754KB	441KB
<a href="https://colasrail.co.uk/wp-content/uploads/2020/12/COLAS_1920x1080_HOME_01.jpg">https://colasrail.co.uk/wp-content/uploads/2020/12/COLAS_1920x1080_HOME_01.jpg</a>	747KB	52.8KB
<a href="https://colasrail.co.uk/wp-content/uploads/2020/12/COLAS_1920x1080_HOME_04.jpg">https://colasrail.co.uk/wp-content/uploads/2020/12/COLAS_1920x1080_HOME_04.jpg</a>	874KB	30.3KB
<a href="https://colasrail.co.uk/wp-content/uploads/2020/12/COLAS_1920x1080_HOME_02.jpg">https://colasrail.co.uk/wp-content/uploads/2020/12/COLAS_1920x1080_HOME_02.jpg</a>	825KB	26.1KB

Low

**Ensure text remains visible during webfont load** FCP LCP

4 fonts found

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

URL	POTENTIAL SAVINGS
• <a href="https://use.typekit.net/af/0e034d/00000000000000003b9b32c0/27/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=n4&amp;v=3">https://use.typekit.net/af/0e034d/00000000000000003b9b32c0/27/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=n4&amp;v=3</a>	31ms
• <a href="https://use.typekit.net/af/0e034d/00000000000000003b9b32c6/27/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=n8&amp;v=3">https://use.typekit.net/af/0e034d/00000000000000003b9b32c6/27/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=n8&amp;v=3</a>	34ms
• <a href="https://use.typekit.net/af/928c6f/00000000000000003b9b32c2/27/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=n6&amp;v=3">https://use.typekit.net/af/928c6f/00000000000000003b9b32c2/27/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=n6&amp;v=3</a>	33ms
• <a href="https://use.fontawesome.com/releases/v5.9.0/webfonts/fa-solid-900.woff2">https://use.fontawesome.com/releases/v5.9.0/webfonts/fa-solid-900.woff2</a>	53ms

Low

**Reduce JavaScript execution time** TBT

427ms 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
• <a href="https://colasrail.co.uk/">https://colasrail.co.uk/</a>	358ms	6ms	2ms
• Unattributable	342ms	11ms	0ms
• <a href="https://ajax.googleapis.com/ajax/libs/jquery/2.2.4/jquery.min.js?ver=2.2.4">https://ajax.googleapis.com/ajax/libs/jquery/2.2.4/jquery.min.js?ver=2.2.4</a>	255ms	131ms	2ms
• <a href="https://www.googletagmanager.com/gtag/js?id=AW-11096480749">https://www.googletagmanager.com/gtag/js?id=AW-11096480749</a>	90ms	82ms	6ms
• <a href="https://www.googletagmanager.com/gtag/js?id=G-PS5GZT7CTF&amp;l=dataLayer&amp;cx=c">https://www.googletagmanager.com/gtag/js?id=G-PS5GZT7CTF&amp;l=dataLayer&amp;cx=c</a>	65ms	57ms	7ms
• <a href="https://www.googletagmanager.com/gtag/js?id=UA-180259826-1">https://www.googletagmanager.com/gtag/js?id=UA-180259826-1</a>	62ms	43ms	18ms
• <a href="https://www.googletagmanager.com/gtag/js?id=UA-167775673-1">https://www.googletagmanager.com/gtag/js?id=UA-167775673-1</a>	57ms	43ms	12ms

**Low** **Reduce unused CSS** FCP LCP Potential savings of 77.5KB

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
• <a href="https://colasrail.co.uk/wp-content/cache/wpfc-minified/kogwdxtid/c6ywk.css">https://colasrail.co.uk/wp-content/cache/wpfc-minified/kogwdxtid/c6ywk.css</a>	68.9KB	65.1KB
• <a href="https://use.fontawesome.com/releases/v5.9.0/css/all.css?ver=5.9.0">https://use.fontawesome.com/releases/v5.9.0/css/all.css?ver=5.9.0</a>	12.4KB	12.4KB

**Low** **Serve images in next-gen formats** Potential savings of 2.15MB

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
<a href="https://colasrail.co.uk/wp-content/uploads/2024/02/Main-Image-1.jpg">https://colasrail.co.uk/wp-content/uploads/2024/02/Main-Image-1.jpg</a>	754KB	615KB
<a href="https://colasrail.co.uk/wp-content/uploads/2020/12/COLAS_1920x1080_HOME_04.jpg">https://colasrail.co.uk/wp-content/uploads/2020/12/COLAS_1920x1080_HOME_04.jpg</a>	874KB	430KB
<a href="https://colasrail.co.uk/wp-content/uploads/2020/12/COLAS_1920x1080_HOME_02.jpg">https://colasrail.co.uk/wp-content/uploads/2020/12/COLAS_1920x1080_HOME_02.jpg</a>	825KB	412KB
<a href="https://colasrail.co.uk/wp-content/uploads/2020/12/COLAS_1920x1080_HOME_01.jpg">https://colasrail.co.uk/wp-content/uploads/2020/12/COLAS_1920x1080_HOME_01.jpg</a>	747KB	402KB
<a href="https://colasrail.co.uk/wp-content/uploads/2024/02/Philippa-with-Team-scaled.jpg">https://colasrail.co.uk/wp-content/uploads/2024/02/Philippa-with-Team-scaled.jpg</a>	830KB	290KB
<a href="https://colasrail.co.uk/wp-content/uploads/2020/11/footer-bg.jpg">https://colasrail.co.uk/wp-content/uploads/2020/11/footer-bg.jpg</a>	177KB	53.7KB

**Low** **Defer offscreen images** Potential savings of 3.14MB

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

URL	RESOURCE SIZE	POTENTIAL SAVINGS
<a href="https://colasrail.co.uk/wp-content/uploads/2024/02/Philippa-with-Team-scaled.jpg">https://colasrail.co.uk/wp-content/uploads/2024/02/Philippa-with-Team-scaled.jpg</a>	830KB	830KB
<a href="https://colasrail.co.uk/wp-content/uploads/2020/12/COLAS_1920x1080_HOME_04.jpg">https://colasrail.co.uk/wp-content/uploads/2020/12/COLAS_1920x1080_HOME_04.jpg</a>	874KB	806KB
<a href="https://colasrail.co.uk/wp-content/uploads/2024/02/Main-Image-1.jpg">https://colasrail.co.uk/wp-content/uploads/2024/02/Main-Image-1.jpg</a>	754KB	754KB
<a href="https://colasrail.co.uk/wp-content/uploads/2020/12/COLAS_1920x1080_HOME_01.jpg">https://colasrail.co.uk/wp-content/uploads/2020/12/COLAS_1920x1080_HOME_01.jpg</a>	747KB	642KB
<a href="https://colasrail.co.uk/wp-content/uploads/2020/11/footer-bg.jpg">https://colasrail.co.uk/wp-content/uploads/2020/11/footer-bg.jpg</a>	177KB	177KB
<a href="https://colasrail.co.uk/wp-content/plugins/custom-twitter-feeds-pro/img/ctf-sprite.png">https://colasrail.co.uk/wp-content/plugins/custom-twitter-feeds-pro/img/ctf-sprite.png</a>	4.17KB	4.17KB

**Low** **Avoid non-composited animations** CLS 2 animated elements found

Animations which are not composited can be janky and increase CLS.



## READ MORE

```
<a href="https://colasrail.co.uk/srsa-cook-for-good/" class="btn btn--yellowbg" tabindex="0">
```

Unsupported CSS Property: visibility

visibility

## READ MORE

```
<a href="https://colasrail.co.uk/srsa-cambridge-volunteering/" class="btn btn--yellowbg" tabindex="0">
```

Unsupported CSS Property: visibility

visibility

Low

**Minify JavaScript** FCP LCP

Potential savings of 11.4KB

Minifying JavaScript files can reduce payload sizes and script parse time.

## URL

## TRANSFER SIZE

## POTENTIAL SAVINGS

- <https://colasrail.co.uk/wp-content/themes/colasrailtheme/dist/js/main.js?ver=1.0.0>

83.4KB

11.4KB

Low

**Reduce unused JavaScript** LCP

Potential savings of 367KB

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

## URL

## TRANSFER SIZE

## POTENTIAL SAVINGS

<https://colasrail.co.uk/wp-content/themes/colasrailtheme/dist/js/main.js?ver=1.0.0>

83.4KB

53.9KB

<https://maps.googleapis.com/maps-api-v3/api/js/56/4/util.js>

56.3KB

46.2KB

<https://www.googletagmanager.com/gtag/js?id=G-PS5GZT7CTF&l=dataLayer&cx=c>

82.7KB

39.3KB

<https://www.googletagmanager.com/gtag/js?id=UA-180259826-1>

66.4KB

39.0KB

<https://maps.googleapis.com/maps/api/js?key=AlzaSyBzaQ9tfhDWva24kLL6rgz8CuyL1X3mhoE&ver=1>

64.4KB

37.8KB

<https://colasrail.co.uk/wp-content/plugins/custom-twitter-feeds-pro/js/cf-scripts-1-10.min.js?ver=1.14.1>

57.7KB

37.4KB

<https://www.googletagmanager.com/gtag/js?id=UA-167775673-1>

70.7KB

32.0KB

<https://www.googletagmanager.com/gtag/js?id=AW-11096480749>

76.6KB

29.9KB

<https://www.googletagmanager.com/gtm.js?id=GTM-TLJ5P3D>

46.3KB

29.7KB

[https://connect.facebook.net/en\\_US/fbevents.js](https://connect.facebook.net/en_US/fbevents.js)

58.3KB

21.6KB

Low

**Use HTTP/2 for all resources**

33 requests not served via HTTP/2

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

URL	PROTOCOL
• <a href="https://colasrail.co.uk/">https://colasrail.co.uk/</a>	http/1.1
• <a href="https://colasrail.co.uk/wp-content/cache/wpfc-minified/kogwdxtcd/c6ywk.css">https://colasrail.co.uk/wp-content/cache/wpfc-minified/kogwdxtcd/c6ywk.css</a>	http/1.1
• <a href="https://colasrail.co.uk/wp-content/plugins/search-filter-pro/public/assets/js/search-filter-build.min.js?ver=2.3.4">https://colasrail.co.uk/wp-content/plugins/search-filter-pro/public/assets/js/search-filter-build.min.js?ver=2.3.4</a>	http/1.1
• <a href="https://colasrail.co.uk/wp-content/plugins/search-filter-pro/public/assets/js/chosen.jquery.min.js?ver=2.3.4">https://colasrail.co.uk/wp-content/plugins/search-filter-pro/public/assets/js/chosen.jquery.min.js?ver=2.3.4</a>	http/1.1
• <a href="https://colasrail.co.uk/wp-content/themes/colasrailtheme/dist/js/main.js?ver=1.0.0">https://colasrail.co.uk/wp-content/themes/colasrailtheme/dist/js/main.js?ver=1.0.0</a>	http/1.1
• <a href="https://colasrail.co.uk/wp-content/uploads/2021/01/COLAS_Logo.svg">https://colasrail.co.uk/wp-content/uploads/2021/01/COLAS_Logo.svg</a>	http/1.1
• <a href="https://colasrail.co.uk/wp-content/themes/colasrailtheme/dist/images/down-arrow.png">https://colasrail.co.uk/wp-content/themes/colasrailtheme/dist/images/down-arrow.png</a>	http/1.1
• <a href="https://colasrail.co.uk/wp-includes/js/jquery/ui/core.min.js?ver=1.13.2">https://colasrail.co.uk/wp-includes/js/jquery/ui/core.min.js?ver=1.13.2</a>	http/1.1
• <a href="https://colasrail.co.uk/wp-includes/js/jquery/ui/datepicker.min.js?ver=1.13.2">https://colasrail.co.uk/wp-includes/js/jquery/ui/datepicker.min.js?ver=1.13.2</a>	http/1.1
• <a href="https://colasrail.co.uk/wp-content/plugins/custom-twitter-feeds-pro/js/ctf-scripts-1-10.min.js?ver=1.14.1">https://colasrail.co.uk/wp-content/plugins/custom-twitter-feeds-pro/js/ctf-scripts-1-10.min.js?ver=1.14.1</a>	http/1.1
• <a href="https://colasrail.co.uk/wp-content/themes/colasrailtheme/dist/images/small-dash.png">https://colasrail.co.uk/wp-content/themes/colasrailtheme/dist/images/small-dash.png</a>	http/1.1
• <a href="https://colasrail.co.uk/wp-content/themes/colasrailtheme/dist/images/facebook.svg">https://colasrail.co.uk/wp-content/themes/colasrailtheme/dist/images/facebook.svg</a>	http/1.1
• <a href="https://colasrail.co.uk/wp-content/themes/colasrailtheme/dist/images/twitter.svg">https://colasrail.co.uk/wp-content/themes/colasrailtheme/dist/images/twitter.svg</a>	http/1.1
• <a href="https://colasrail.co.uk/wp-content/themes/colasrailtheme/dist/images/youtube.svg">https://colasrail.co.uk/wp-content/themes/colasrailtheme/dist/images/youtube.svg</a>	http/1.1
• <a href="https://colasrail.co.uk/wp-content/themes/colasrailtheme/dist/images/linkedin.svg">https://colasrail.co.uk/wp-content/themes/colasrailtheme/dist/images/linkedin.svg</a>	http/1.1
• <a href="https://colasrail.co.uk/wp-content/uploads/2020/12/COLAS_1920x1080_HOME_01.jpg">https://colasrail.co.uk/wp-content/uploads/2020/12/COLAS_1920x1080_HOME_01.jpg</a>	http/1.1
• <a href="https://colasrail.co.uk/wp-content/uploads/2020/12/COLAS_1920x1080_HOME_02.jpg">https://colasrail.co.uk/wp-content/uploads/2020/12/COLAS_1920x1080_HOME_02.jpg</a>	http/1.1
• <a href="https://colasrail.co.uk/wp-content/uploads/2020/12/COLAS_1920x1080_HOME_04.jpg">https://colasrail.co.uk/wp-content/uploads/2020/12/COLAS_1920x1080_HOME_04.jpg</a>	http/1.1
• <a href="https://colasrail.co.uk/wp-content/themes/colasrailtheme/dist/images/intro-lines.png">https://colasrail.co.uk/wp-content/themes/colasrailtheme/dist/images/intro-lines.png</a>	http/1.1
• <a href="https://colasrail.co.uk/wp-content/themes/colasrailtheme/dist/images/play-hover.svg">https://colasrail.co.uk/wp-content/themes/colasrailtheme/dist/images/play-hover.svg</a>	http/1.1
• <a href="https://colasrail.co.uk/wp-content/themes/colasrailtheme/dist/images/title-lines.png">https://colasrail.co.uk/wp-content/themes/colasrailtheme/dist/images/title-lines.png</a>	http/1.1
• <a href="https://colasrail.co.uk/wp-content/uploads/2020/11/South_Rail_Systems_Alliance-WH.png">https://colasrail.co.uk/wp-content/uploads/2020/11/South_Rail_Systems_Alliance-WH.png</a>	http/1.1
• <a href="https://colasrail.co.uk/wp-content/uploads/2020/12/MMA_WH.png">https://colasrail.co.uk/wp-content/uploads/2020/12/MMA_WH.png</a>	http/1.1
• <a href="https://colasrail.co.uk/wp-content/uploads/2020/12/AECOM_WH.png">https://colasrail.co.uk/wp-content/uploads/2020/12/AECOM_WH.png</a>	http/1.1
• <a href="https://colasrail.co.uk/wp-content/uploads/2020/12/egis_WH.png">https://colasrail.co.uk/wp-content/uploads/2020/12/egis_WH.png</a>	http/1.1
• <a href="https://colasrail.co.uk/wp-content/uploads/2020/11/Network_Rail_WH.png">https://colasrail.co.uk/wp-content/uploads/2020/11/Network_Rail_WH.png</a>	http/1.1
• <a href="https://colasrail.co.uk/wp-content/uploads/2020/12/Pell-Frischmann_WH.png">https://colasrail.co.uk/wp-content/uploads/2020/12/Pell-Frischmann_WH.png</a>	http/1.1
• <a href="https://colasrail.co.uk/wp-content/uploads/2020/12/SKANSKA_WH.png">https://colasrail.co.uk/wp-content/uploads/2020/12/SKANSKA_WH.png</a>	http/1.1
• <a href="https://colasrail.co.uk/wp-content/uploads/2020/12/Tony_Gee_WH.png">https://colasrail.co.uk/wp-content/uploads/2020/12/Tony_Gee_WH.png</a>	http/1.1
• <a href="https://colasrail.co.uk/wp-content/uploads/2024/02/Philippa-with-Team-scaled.jpg">https://colasrail.co.uk/wp-content/uploads/2024/02/Philippa-with-Team-scaled.jpg</a>	http/1.1
• <a href="https://colasrail.co.uk/wp-content/uploads/2024/02/Main-Image-1.jpg">https://colasrail.co.uk/wp-content/uploads/2024/02/Main-Image-1.jpg</a>	http/1.1
• <a href="https://colasrail.co.uk/wp-content/uploads/2020/11/footer-bg.jpg">https://colasrail.co.uk/wp-content/uploads/2020/11/footer-bg.jpg</a>	http/1.1
• <a href="https://colasrail.co.uk/wp-content/plugins/custom-twitter-feeds-pro/img/ctf-sprite.png">https://colasrail.co.uk/wp-content/plugins/custom-twitter-feeds-pro/img/ctf-sprite.png</a>	http/1.1

N/A

**Largest Contentful Paint element** LCP

1,430 ms

This is the largest contentful element painted within the viewport.

**ELEMENT**

AWARD-WINNING RAILWAY SPECIALISTS We deliver expert design, engineering, projec...

```
<div class="banner_slide slick-slide" style="background-image: url(&quot;https://colasrail.co.uk/wp-content/uploads/2020/12/...&quot;);" data-slick-index="0" aria-hidden="true" tabindex="-1">
```

PHASE	% OF LCP	TIMING
TTFB	5%	73ms
Load Delay	22%	313ms
Load Time	3%	41ms
Render Delay	70%	997ms

N/A **Reduce initial server response time** FCP LCP Root document took 12ms

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

URL	TIME SPENT
<ul style="list-style-type: none"> <li><a href="https://colasrail.co.uk/">https://colasrail.co.uk/</a></li> </ul>	12ms

N/A **Avoid serving legacy JavaScript to modern browsers** TBT Potential savings of 18.3KB

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
<a href="https://connect.facebook.net/en_US/fbevents.js">https://connect.facebook.net/en_US/fbevents.js</a> Line:23 Column:2302	10.7KB
Line:24 Column:20141	@babel/plugin-transform-classes Array.prototype.filter Array.from Array.prototype.map Array.prototype.find
Line:24 Column:26258	Array.prototype.map Array.prototype.find
Line:24 Column:28008	Array.prototype.find
Line:24 Column:28800	Array.prototype.find
<a href="https://colasrail.co.uk/wp-content/plugins/search-filter-pro/public/assets/js/search-filter-build.min.js?ver=2.3.4">https://colasrail.co.uk/wp-content/plugins/search-filter-pro/public/assets/js/search-filter-build.min.js?ver=2.3.4</a> Line:0 Column:818	7.41KB
<a href="https://player.vimeo.com/api/player.js">https://player.vimeo.com/api/player.js</a> Line:1 Column:7732	54B
<a href="https://colasrail.co.uk/wp-content/themes/colasrailtheme/dist/js/main.js?ver=1.0.0">https://colasrail.co.uk/wp-content/themes/colasrailtheme/dist/js/main.js?ver=1.0.0</a> Line:0 Column:7466	49B
<a href="https://connect.facebook.net/signals/config/1541964612939857?v=2.9.149&amp;r=stable&amp;domain=colasrail.co.uk&amp;hme=8b8eb2472f555e54a8b57f2b720f9bd3b1bc6aed031525376dd772ba51107995&amp;ex_m=63%2C107%2C95%2C99%2C54%2C3%2C89%2C62%2C14%2C87%2C80%2C45%2C47%2C153%2C156%2C167%2C163%2C164%2C166%2C26%2C90%2C46%2C69%2C165%2C148%2C151%2C160%2C161%2C168%2C116%2C13%2C44%2C172%2C171%2C118%2C16%2C30%2C33%2C1%2C37%2C58%2C59%2C60%2C64%2C84%2C15%2C12%2C86%2C83%2C82%2C96%2C98%2C32%2C97%2C27%2C23%2C149%2C152%2C125%2C25%2C9%2C10%2C11%2C5%2C6%2C22%2C19%2C20%2C50%2C55%2C57%2C67%2C91%2C24%2C68%2C8%2C7%2C72%2C42%2C18%2C93%2C92%2C17%2C74%2C79%2C41%2C40%2C78%2C34%2C36%2C77%2C49%2C75%2C29%2C38%2C66%2C0%2C85%2C4%2C81%2C73%2C76%2C2%2C31%2C56%2C35%2C94%2C39%2C71%2C61%2C100%2C53%2C52%2C28%2C88%2C51%2C48%2C43%2C70%2C65%2C21%2C101">https://connect.facebook.net/signals/config/1541964612939857?v=2.9.149&amp;r=stable&amp;domain=colasrail.co.uk&amp;hme=8b8eb2472f555e54a8b57f2b720f9bd3b1bc6aed031525376dd772ba51107995&amp;ex_m=63%2C107%2C95%2C99%2C54%2C3%2C89%2C62%2C14%2C87%2C80%2C45%2C47%2C153%2C156%2C167%2C163%2C164%2C166%2C26%2C90%2C46%2C69%2C165%2C148%2C151%2C160%2C161%2C168%2C116%2C13%2C44%2C172%2C171%2C118%2C16%2C30%2C33%2C1%2C37%2C58%2C59%2C60%2C64%2C84%2C15%2C12%2C86%2C83%2C82%2C96%2C98%2C32%2C97%2C27%2C23%2C149%2C152%2C125%2C25%2C9%2C10%2C11%2C5%2C6%2C22%2C19%2C20%2C50%2C55%2C57%2C67%2C91%2C24%2C68%2C8%2C7%2C72%2C42%2C18%2C93%2C92%2C17%2C74%2C79%2C41%2C40%2C78%2C34%2C36%2C77%2C49%2C75%2C29%2C38%2C66%2C0%2C85%2C4%2C81%2C73%2C76%2C2%2C31%2C56%2C35%2C94%2C39%2C71%2C61%2C100%2C53%2C52%2C28%2C88%2C51%2C48%2C43%2C70%2C65%2C21%2C101</a> Line:19 Column:2057	47B
Line:19 Column:2057	@babel/plugin-transform-orm-

clas  
ses

N/A

**Avoid large layout shifts** CLS

2 elements found

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

ELEMENT

CLS CONTRIBUTION

ABOUT US WHAT WE DO SAFETY SUSTAINABILITY CAREERS NEWS CONTACT US

`<div class="collapse_container">`

0.00

ABOUT US WHAT WE DO SAFETY SUSTAINABILITY CAREERS NEWS CONTACT US

`<div class="collapse navbar-collapse justify-content-end" id="navbarNav">`

0.00

N/A

**Minimize main-thread work** TBT

Main-thread busy for 1.6s

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

CATEGORY

TIME SPENT

Script Evaluation

591ms

Other

522ms

Style &amp; Layout

288ms

Script Parsing &amp; Compilation

86ms

Parse HTML &amp; CSS

41ms

Rendering

17ms

Garbage Collection

5ms

N/A

**User Timing marks and measures**

4 user timings

Consider instrumenting your app with the User Timing API to measure your app's real-world performance during key user experiences.

NAME

TYPE

START TIME

DURATION

fbevents:start:unwantedDataProcessing\_1541964612939857

Mark

1.4s

0ms

fbevents:end:unwantedDataProcessing\_1541964612939857

Mark

1.4s

0ms

fbevents:start:validateUrlProcessing\_1541964612939857

Mark

1.4s

0ms

fbevents:end:validateUrlProcessing\_1541964612939857

Mark

1.4s

0ms

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
<b>GOOGLE CDN</b>	59.9KB	48ms
• <a href="https://ajax.googleapis.com/ajax/libs/jquery/2.2.4/jquery.min.js?ver=2.2.4">https://ajax.googleapis.com/ajax/libs/jquery/2.2.4/jquery.min.js?ver=2.2.4</a>	29.9KB	48ms
• <a href="https://www.gstatic.com/eureka/clank/117/cast_sender.js">https://www.gstatic.com/eureka/clank/117/cast_sender.js</a>	15.4KB	0ms
• <a href="https://www.gstatic.com/cast/sdk/libs/sender/1.0/cast_framework.js">https://www.gstatic.com/cast/sdk/libs/sender/1.0/cast_framework.js</a>	12.1KB	0ms
<b>GOOGLE TAG MANAGER</b>	343KB	26ms
• <a href="https://www.googletagmanager.com/gtag/js?id=AW-11096480749">https://www.googletagmanager.com/gtag/js?id=AW-11096480749</a>	76.6KB	21ms
• <a href="https://www.googletagmanager.com/gtag/js?id=G-PS5GZT7CTF&amp;l=dataLayer&amp;cx=c">https://www.googletagmanager.com/gtag/js?id=G-PS5GZT7CTF&amp;l=dataLayer&amp;cx=c</a>	82.7KB	4ms
• <a href="https://www.googletagmanager.com/gtag/js?id=UA-167775673-1">https://www.googletagmanager.com/gtag/js?id=UA-167775673-1</a>	70.7KB	0ms
• <a href="https://www.googletagmanager.com/gtag/js?id=UA-180259826-1">https://www.googletagmanager.com/gtag/js?id=UA-180259826-1</a>	66.4KB	0ms
• <a href="https://www.googletagmanager.com/gtm.js?id=GTM-TLJ5P3D">https://www.googletagmanager.com/gtm.js?id=GTM-TLJ5P3D</a>	46.3KB	0ms
<b>VIMEO</b>	322KB	0ms
• <a href="https://f.vimeocdn.com/p/4.28.18/js/player.module.js">https://f.vimeocdn.com/p/4.28.18/js/player.module.js</a>	139KB	0ms
• <a href="https://f.vimeocdn.com/p/4.28.18/js/vendor.module.js">https://f.vimeocdn.com/p/4.28.18/js/vendor.module.js</a>	100KB	0ms
• <a href="https://i.vimeocdn.com/video/1018373857-7f93abebab1ce6afdeac44bccfd4a8cb9ead171421da601b91a5295e2d14c561-d?mw=700&amp;mh=394">https://i.vimeocdn.com/video/1018373857-7f93abebab1ce6afdeac44bccfd4a8cb9ead171421da601b91a5295e2d14c561-d?mw=700&amp;mh=394</a>	37.7KB	0ms
• <a href="https://f.vimeocdn.com/p/4.28.18/css/player.css">https://f.vimeocdn.com/p/4.28.18/css/player.css</a>	21.9KB	0ms
• Other resources	23.8KB	0ms
<b>GOOGLE MAPS</b>	176KB	0ms
• <a href="https://maps.googleapis.com/maps/api/js?key=AlzaSyBzaQ9tfhDWva24kLL6rgz8CuyL1X3mhoE&amp;ver=1">https://maps.googleapis.com/maps/api/js?key=AlzaSyBzaQ9tfhDWva24kLL6rgz8CuyL1X3mhoE&amp;ver=1</a>	64.4KB	0ms
• <a href="https://maps.googleapis.com/maps-api-v3/api/js/56/4/util.js">https://maps.googleapis.com/maps-api-v3/api/js/56/4/util.js</a>	56.3KB	0ms
• <a href="https://maps.googleapis.com/maps-api-v3/api/js/56/4/common.js">https://maps.googleapis.com/maps-api-v3/api/js/56/4/common.js</a>	55.7KB	0ms
<b>FONTAWESOME CDN</b>	86.7KB	0ms
• <a href="https://use.fontawesome.com/releases/v5.9.0/webfonts/fa-solid-900.woff2">https://use.fontawesome.com/releases/v5.9.0/webfonts/fa-solid-900.woff2</a>	74.3KB	0ms
• <a href="https://use.fontawesome.com/releases/v5.9.0/css/all.css?ver=5.9.0">https://use.fontawesome.com/releases/v5.9.0/css/all.css?ver=5.9.0</a>	12.4KB	0ms
<b>FACEBOOK</b>	70.2KB	0ms
• <a href="https://connect.facebook.net/en_US/fbevents.js">https://connect.facebook.net/en_US/fbevents.js</a>	58.3KB	0ms
• <a href="https://connect.facebook.net/signals/config/1541964612939857?v=2.9.149&amp;st=stable&amp;domain=colasraji.co.uk&amp;hmc=8b8eb2472f555e54a8b57f2b720f9bd3b1bc6aed031525376dd772ba51107995&amp;ex_m=63%2C107%2C95%2C99%2C54%2C3%2C89%2C62%2C14%2C87%2C80%2C45%2C47%2C153%2C156%2C167%2C163%2C164%2C166%2C26%2C90%2C46%2C69%2C165%2C148%2C151%2C160%2C161%2C168%2C116%2C13%2C44%2C172%2C171%2C118%2C16%2C30%2C33%2C1%2C37%2C58%2C59%2C60%2C64%2C84%2C15%2C12%2C86%2C83%2C82%2C96%2C98%2C32%2C97%2C27%2C23%2C149%2C152%2C125%2C25%2C9%2C10%2C11%2C5%2C6%2C22%2C19%2C20%2C50%2C55%2C57%2C67%2C91%2C24%2C68%2C8%2C7%2C72%2C42%2C18%2C93%2C92%2C17%2C74%2C79%2C41%2C40%2C78%2C34%2C36%2C77%2C49%2C75%2C29%2C38%2C66%2C0%2C85%2C4%2C81%2C73%2C76%2C2%2C31%2C56%2C35%2C94%2C39%2C71%2C61%2C100%2C53%2C52%2C28%2C88%2C51%2C48%2C43%2C70%2C65%2C21%2C101">https://connect.facebook.net/signals/config/1541964612939857?v=2.9.149&amp;st=stable&amp;domain=colasraji.co.uk&amp;hmc=8b8eb2472f555e54a8b57f2b720f9bd3b1bc6aed031525376dd772ba51107995&amp;ex_m=63%2C107%2C95%2C99%2C54%2C3%2C89%2C62%2C14%2C87%2C80%2C45%2C47%2C153%2C156%2C167%2C163%2C164%2C166%2C26%2C90%2C46%2C69%2C165%2C148%2C151%2C160%2C161%2C168%2C116%2C13%2C44%2C172%2C171%2C118%2C16%2C30%2C33%2C1%2C37%2C58%2C59%2C60%2C64%2C84%2C15%2C12%2C86%2C83%2C82%2C96%2C98%2C32%2C97%2C27%2C23%2C149%2C152%2C125%2C25%2C9%2C10%2C11%2C5%2C6%2C22%2C19%2C20%2C50%2C55%2C57%2C67%2C91%2C24%2C68%2C8%2C7%2C72%2C42%2C18%2C93%2C92%2C17%2C74%2C79%2C41%2C40%2C78%2C34%2C36%2C77%2C49%2C75%2C29%2C38%2C66%2C0%2C85%2C4%2C81%2C73%2C76%2C2%2C31%2C56%2C35%2C94%2C39%2C71%2C61%2C100%2C53%2C52%2C28%2C88%2C51%2C48%2C43%2C70%2C65%2C21%2C101</a>	11.6KB	0ms
<b>ADOBE TYPEKIT</b>	66.4KB	0ms
• <a href="https://use.typekit.net/af/928c6f/00000000000000003b9b32c2/27/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=n6&amp;v=3">https://use.typekit.net/af/928c6f/00000000000000003b9b32c2/27/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=n6&amp;v=3</a>	21.8KB	0ms
• <a href="https://use.typekit.net/af/0e034d/00000000000000003b9b32c0/27/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=n4&amp;v=3">https://use.typekit.net/af/0e034d/00000000000000003b9b32c0/27/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=n4&amp;v=3</a>	21.8KB	0ms
• <a href="https://use.typekit.net/af/fce439/00000000000000003b9b32c6/27/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=n8&amp;v=3">https://use.typekit.net/af/fce439/00000000000000003b9b32c6/27/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=n8&amp;v=3</a>	21.6KB	0ms
<b>GOOGLE ANALYTICS</b>	20.8KB	0ms
• <a href="https://www.google-analytics.com/analytics.js">https://www.google-analytics.com/analytics.js</a>	20.8KB	0ms
<b>GOOGLE FONTS</b>	17.5KB	0ms
• <a href="https://fonts.gstatic.com/s/opensanscondensed/v23/z7NFdQQDnbTkabZAI0I9iI_O6Kj73e7Ff0GmDuXMRw.woff2">https://fonts.gstatic.com/s/opensanscondensed/v23/z7NFdQQDnbTkabZAI0I9iI_O6Kj73e7Ff0GmDuXMRw.woff2</a>	16.5KB	0ms
<b>JSDELIVR CDN</b>	3.75KB	0ms
<b>GOOGLE/DOUBLECLICK ADS</b>	1.78KB	0ms

THIRD-PARTY

TRANSFER SIZE

MAIN-THREAD BLOCKING TIME

OTHER GOOGLE APIS/SDKS

910B

0ms

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