



Performance Report for: <http://www.magenta-technology.com/>

Report generated: Thu, Mar 7, 2024 9:37 PM -0800
 Test Server Location: London, UK
 Using: Chrome 117.0.0.0, Lighthouse 11.0.0

D	Performance	Structure	L. Contentful Paint	T. Blocking Time	C. Layout Shift
	56%	89%	2.1s	305ms	0.2

Top Issues

Med	Use explicit width and height on image elements CLS	13 images found
Med-Low	Use a Content Delivery Network (CDN)	45 resources found
Med-Low	Serve static assets with an efficient cache policy	Potential savings of 320KB
Med-Low	Eliminate render-blocking resources FCP LCP	Potential savings of 303ms
Med-Low	Avoid large layout shifts CLS	5 elements found

Page Details



Total Page Size - 1.91MB



Total Page Requests - 57



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.**

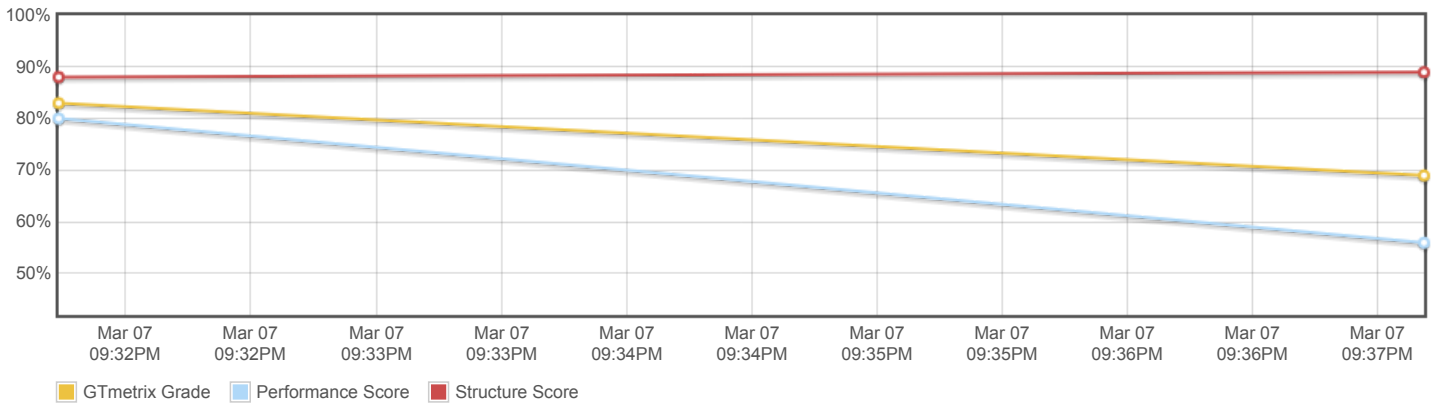
About GTmetrix



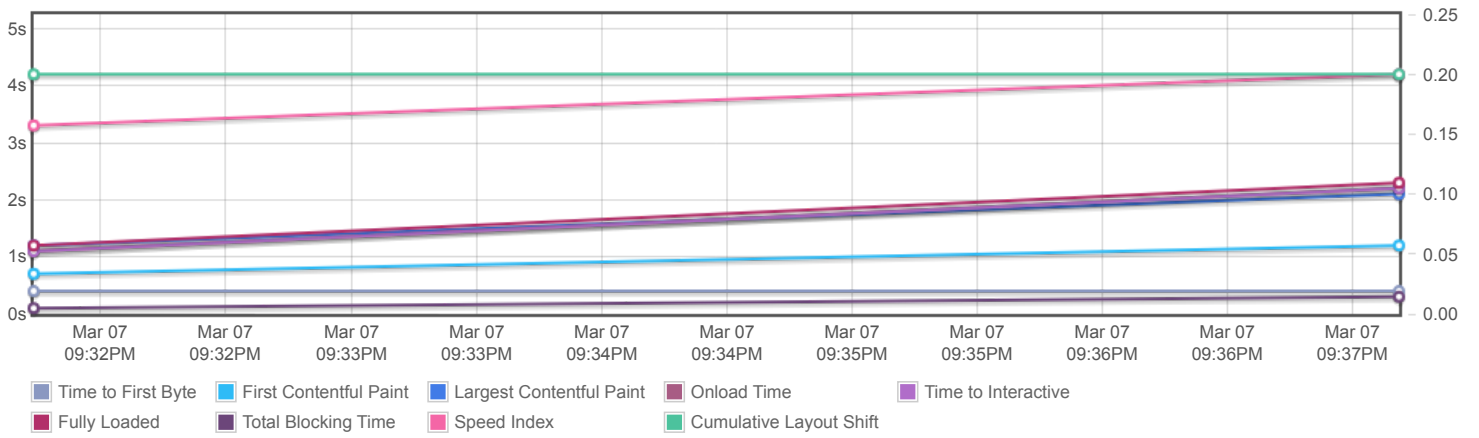
GTmetrix is developed by the good folks at **Carbon60**, a Canadian hosting company with over 28 years experience in web technology.

<https://carbon60.com/>

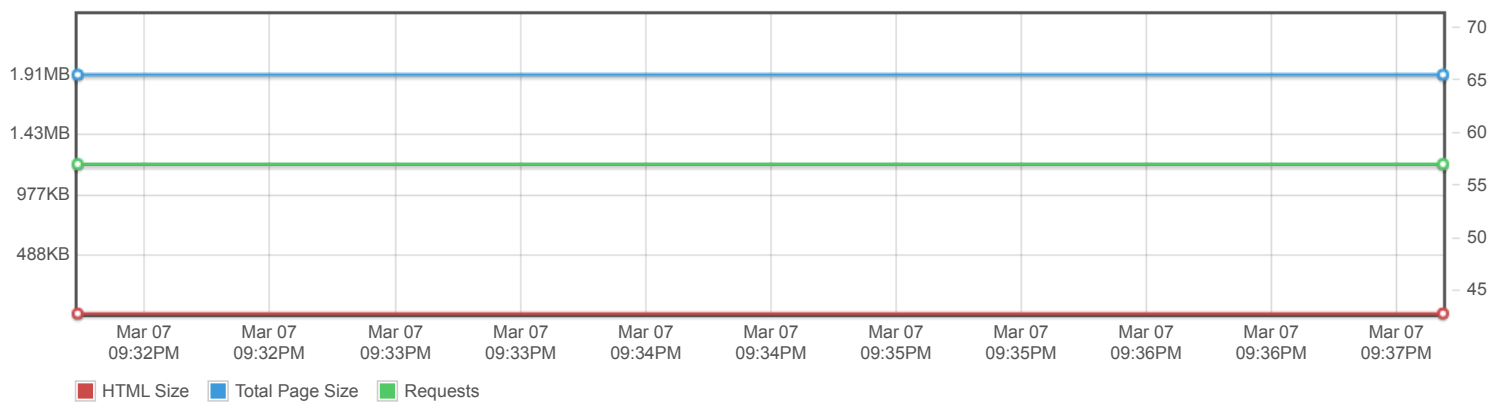
Page scores



Page metrics

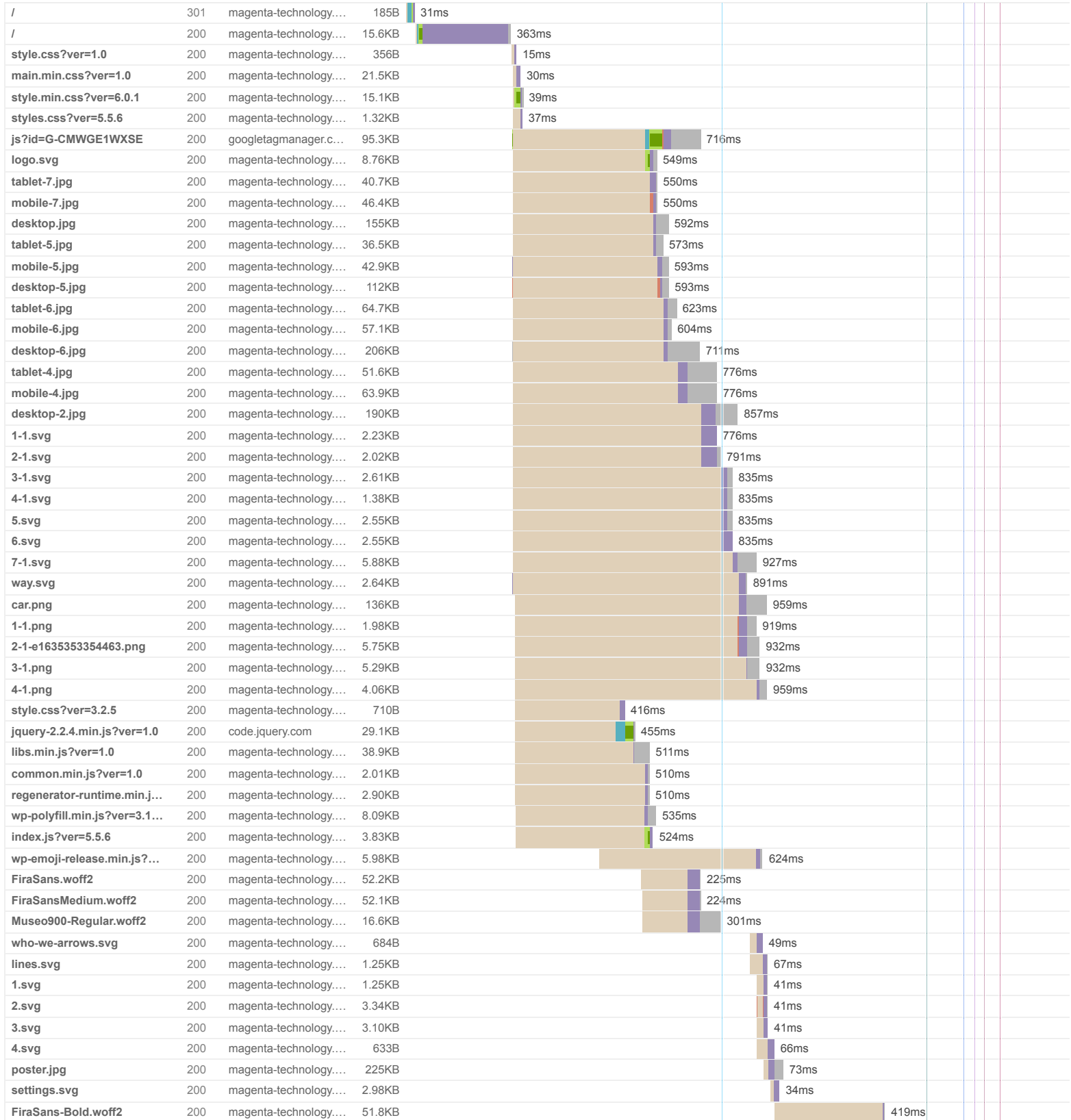


Page sizes and request counts

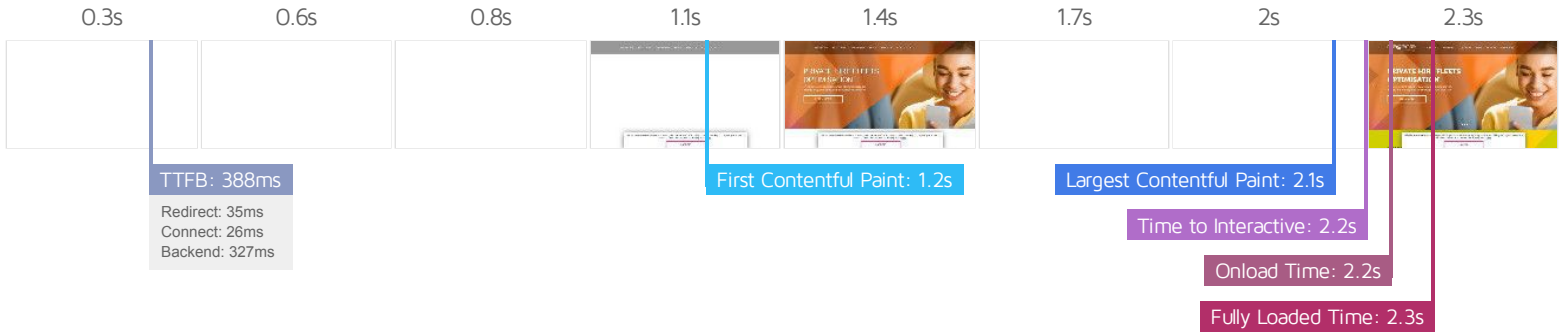


The waterfall chart displays the loading behaviour of your site in your selected browser. It can be used to discover simple issues such as 404's or more complex issues such as external resources blocking page rendering.

Magenta Technology - AI based dynamic optimisation...lutions for demand-responsive transport management



Museo700-Regular.woff2	200	magenta-technology....	17.2KB							419ms										
Intro-Black-Alt.woff2	200	magenta-technology....	29.5KB							419ms										
site.webmanifest	200	magenta-technology....	724B																	26ms
favicon-32x32.png	200	magenta-technology....	1.24KB																	5ms
57 Requests	1.91MB	(2.42MB Uncompressed)	2.3s	(Onload 2.2s)																



Performance Metrics

<p>First Contentful Paint</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>OK, but consider improvement</p> <p>1.2s</p>	<p>Time to Interactive</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>2.2s</p>
<p>Speed Index</p> <p>How quickly the contents of your page are visibly populated. A good user experience is 1.3s or less.</p>	<p>Much longer than recommended</p> <p>4.2s</p>	<p>Total Blocking Time</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>305ms</p>
<p>Largest Contentful Paint</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>Longer than recommended</p> <p>2.1s</p>	<p>Cumulative Layout Shift</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>More than recommended</p> <p>0.2</p>

Browser Timings

Redirect	35ms	Connect	26ms	Backend	327ms
TTFB	388ms	First Paint	1.2s	DOM Int.	1.9s
DOM Loaded	2.0s	Onload	2.2s	Fully Loaded	2.3s

IMPACT AUDIT

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://code.jquery.com/jquery-2.2.4.min.js?ver=1.0>

Line:2

Low

Avoid long main-thread tasks TBT

8 long tasks found

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

URL	START TIME	DURATION
• https://magenta-technology.com/	436ms	303ms
• https://magenta-technology.com/	1.3s	250ms
• https://code.jquery.com/jquery-2.2.4.min.js?ver=1.0	1.1s	122ms
• https://www.googletagmanager.com/gtag/js?id=G-CMWGE1WXSE	2.0s	115ms
• https://magenta-technology.com/	884ms	78ms
• https://www.googletagmanager.com/gtag/js?id=G-CMWGE1WXSE	1.9s	77ms
• https://magenta-technology.com/	1.7s	60ms
• https://magenta-technology.com/	964ms	50ms

Low

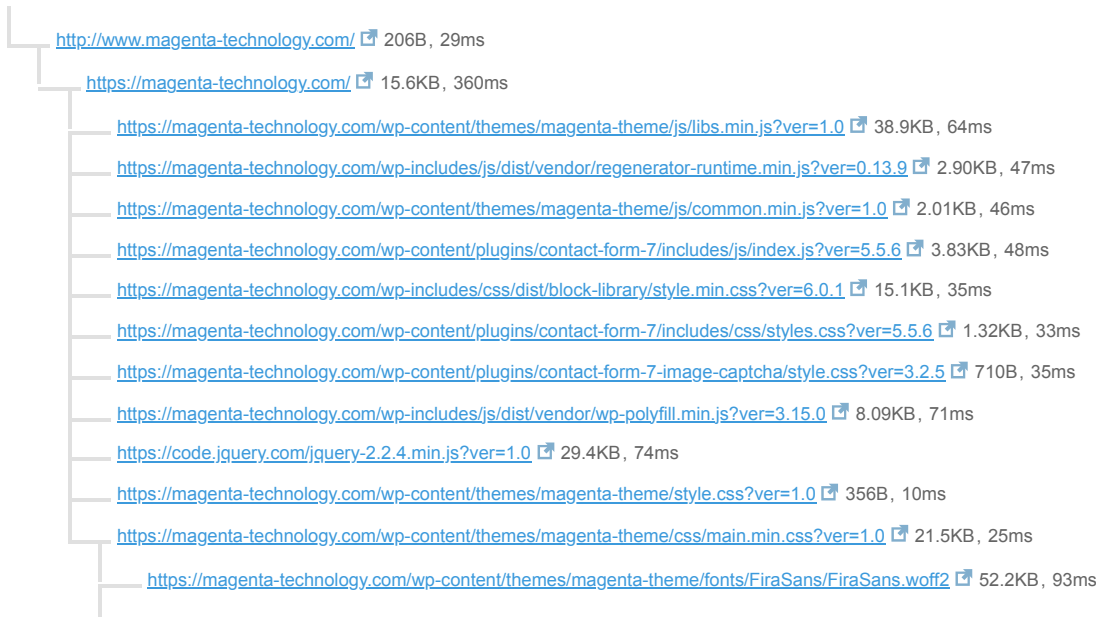
Avoid chaining critical requests FCP LCP

16 chains 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: **1.8s**

INITIAL NAVIGATION



- <https://magenta-technology.com/wp-content/themes/magenta-theme/fonts/FiraSans/FiraSansMedium.woff2> 52.1KB, 93ms
- <https://magenta-technology.com/wp-content/themes/magenta-theme/fonts/FiraSans/FiraSans-Bold.woff2> 51.8KB, 8ms
- <https://magenta-technology.com/wp-content/themes/magenta-theme/fonts/IntroBlackAlt/Intro-Black-Alt.woff2> 29.5KB, 8ms
- <https://magenta-technology.com/wp-content/themes/magenta-theme/fonts/Museo/Museo700-Regular.woff2> 17.2KB, 8ms
- <https://magenta-technology.com/wp-content/themes/magenta-theme/fonts/Museo/Museo900-Regular.woff2> 16.6KB, 169ms

Low

Avoid enormous network payloads LCP

Total size was 1.91MB

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

URL	TRANSFER SIZE
https://magenta-technology.com/wp-content/uploads/2021/10/poster.jpg	225KB
https://magenta-technology.com/wp-content/uploads/2021/10/desktop-6.jpg	206KB
https://magenta-technology.com/wp-content/uploads/2021/11/desktop-2.jpg	190KB
https://magenta-technology.com/wp-content/uploads/2021/11/desktop.jpg	155KB
https://magenta-technology.com/wp-content/themes/magenta-theme/img/car.png	136KB
https://magenta-technology.com/wp-content/uploads/2021/10/desktop-5.jpg	112KB
https://www.googletagmanager.com/gtag/js?id=G-CMWGE1WXSE	95.7KB
https://magenta-technology.com/wp-content/uploads/2021/10/tablet-6.jpg	64.7KB
https://magenta-technology.com/wp-content/uploads/2021/10/mobile-4.jpg	63.9KB
https://magenta-technology.com/wp-content/uploads/2021/10/mobile-6.jpg	57.1KB

Low

Reduce JavaScript execution time TBT

569ms 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://magenta-technology.com/	1.0s	241ms	22ms
Unattributable	519ms	2ms	0ms
https://code.jquery.com/jquery-2.2.4.min.js?ver=1.0	195ms	103ms	56ms
https://www.googletagmanager.com/gtag/js?id=G-CMWGE1WXSE	151ms	138ms	4ms

Low

Avoid an excessive DOM size TBT

518 elements

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

STATISTIC	ELEMENT	VALUE
Total DOM Elements		518
Maximum DOM Depth	PATIENT TRANSPORTATION AND PARATRANSIT <h2>	15
Maximum Child Elements	body.is-loaded <body class="is-loaded">	10

Low

Properly size images

Potential savings of 293KB

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

URL	RESOURCE SIZE	POTENTIAL SAVINGS
https://magenta-technology.com/wp-content/themes/magenta-theme/img/car.png	136KB	101KB
https://magenta-technology.com/wp-content/uploads/2021/10/desktop-6.jpg	206KB	58.4KB
https://magenta-technology.com/wp-content/uploads/2021/11/desktop-2.jpg	190KB	53.9KB
https://magenta-technology.com/wp-content/uploads/2021/11/desktop.jpg	154KB	43.9KB
https://magenta-technology.com/wp-content/uploads/2021/10/desktop-5.jpg	112KB	31.8KB
https://magenta-technology.com/wp-content/uploads/2021/10/2-1-e1635353354463.png	5.40KB	4.05KB

Low

Avoid multiple page redirects FCP LCP

Potential savings of 32ms

Redirects introduce additional delays before the page can be loaded.

URL	TIME SPENT
http://www.magenta-technology.com/	32ms
https://magenta-technology.com/	0ms

Low

Efficiently encode images

Potential savings of 187KB

Optimized images load faster and consume less cellular data.

URL	RESOURCE SIZE	POTENTIAL SAVINGS
https://magenta-technology.com/wp-content/uploads/2021/11/desktop.jpg	154KB	42.3KB
https://magenta-technology.com/wp-content/uploads/2021/11/desktop-2.jpg	190KB	29.3KB
https://magenta-technology.com/wp-content/uploads/2021/10/desktop-6.jpg	206KB	25.6KB
https://magenta-technology.com/wp-content/uploads/2021/10/mobile-6.jpg	56.8KB	21.8KB
https://magenta-technology.com/wp-content/uploads/2021/10/mobile-4.jpg	63.6KB	21.2KB
https://magenta-technology.com/wp-content/uploads/2021/10/mobile-7.jpg	46.1KB	16.4KB
https://magenta-technology.com/wp-content/uploads/2021/10/desktop-5.jpg	112KB	15.9KB
https://magenta-technology.com/wp-content/uploads/2021/10/mobile-5.jpg	42.6KB	14.5KB

Low

Reduce unused CSS FCP LCP

Potential savings of 31.1KB

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://magenta-technology.com/wp-content/themes/magenta-theme/css/main.min.css?ver=1.0	21.5KB	16.1KB
https://magenta-technology.com/wp-includes/css/dist/block-library/style.min.css?ver=6.0.1	15.1KB	15.1KB

Low

Serve images in next-gen formats

Potential savings of 759KB

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://magenta-technology.com/wp-content/uploads/2021/10/desktop-6.jpg	206KB	119KB
https://magenta-technology.com/wp-content/uploads/2021/11/desktop-2.jpg	190KB	117KB
https://magenta-technology.com/wp-content/uploads/2021/11/desktop.jpg	154KB	111KB
https://magenta-technology.com/wp-content/themes/magenta-theme/img/car.png	136KB	105KB
https://magenta-technology.com/wp-content/uploads/2021/10/desktop-5.jpg	112KB	72.3KB
https://magenta-technology.com/wp-content/uploads/2021/10/mobile-4.jpg	63.6KB	44.8KB
https://magenta-technology.com/wp-content/uploads/2021/10/mobile-6.jpg	56.8KB	41.6KB
https://magenta-technology.com/wp-content/uploads/2021/10/mobile-7.jpg	46.1KB	34.1KB
https://magenta-technology.com/wp-content/uploads/2021/10/mobile-5.jpg	42.6KB	31.2KB
https://magenta-technology.com/wp-content/uploads/2021/10/tablet-6.jpg	64.3KB	25.6KB
https://magenta-technology.com/wp-content/uploads/2021/10/tablet-4.jpg	51.2KB	21.9KB
https://magenta-technology.com/wp-content/uploads/2021/10/tablet-7.jpg	40.4KB	19.4KB
https://magenta-technology.com/wp-content/uploads/2021/10/tablet-5.jpg	36.1KB	16.2KB

Low **Reduce initial server response time** FCP LCP Root document took 326ms

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">https://magenta-technology.com/	326ms

Low **Defer offscreen images** Potential savings of 1.10MB

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://magenta-technology.com/wp-content/uploads/2021/10/poster.jpg	225KB	225KB
https://magenta-technology.com/wp-content/uploads/2021/10/desktop-6.jpg	206KB	206KB
https://magenta-technology.com/wp-content/uploads/2021/11/desktop-2.jpg	190KB	176KB
https://magenta-technology.com/wp-content/uploads/2021/10/desktop-5.jpg	112KB	104KB
https://magenta-technology.com/wp-content/uploads/2021/10/tablet-6.jpg	64.3KB	64.3KB
https://magenta-technology.com/wp-content/uploads/2021/10/mobile-4.jpg	63.6KB	63.6KB
https://magenta-technology.com/wp-content/uploads/2021/10/mobile-6.jpg	56.8KB	56.8KB
https://magenta-technology.com/wp-content/uploads/2021/10/tablet-4.jpg	51.2KB	51.2KB
https://magenta-technology.com/wp-content/uploads/2021/10/mobile-7.jpg	46.1KB	46.1KB
https://magenta-technology.com/wp-content/uploads/2021/10/mobile-5.jpg	42.6KB	42.6KB
https://magenta-technology.com/wp-content/uploads/2021/10/tablet-7.jpg	40.4KB	40.4KB
https://magenta-technology.com/wp-content/uploads/2021/10/tablet-5.jpg	36.1KB	36.1KB
https://magenta-technology.com/wp-content/uploads/2021/10/2-1-e1635353354463.png	5.40KB	5.40KB
https://magenta-technology.com/wp-content/uploads/2021/10/3-1.png	4.94KB	4.94KB
https://magenta-technology.com/wp-content/uploads/2021/10/4-1.png	3.71KB	3.71KB
https://magenta-technology.com/wp-content/uploads/2021/10/2.svg	2.98KB	2.98KB
https://magenta-technology.com/wp-content/uploads/2021/10/3.svg	2.74KB	2.74KB

Low **Avoid non-composited animations** CLS 4 animated elements found

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

ELEMENT	NAME
body.is-loaded > div.content__wrapper > div.preloader__wrapper > div.preloader__section <div class="preloader__section preloader__section--left"> Unsupported CSS Property: visibility	visibility
body.is-loaded > div.content__wrapper > div.preloader__wrapper > div.preloader <div class="preloader"> Unsupported CSS Property: visibility	visibility
body.is-loaded > div.content__wrapper > div.preloader__wrapper <div class="preloader__wrapper"> Unsupported CSS Property: visibility	visibility
body.is-loaded > div.content__wrapper > div.preloader__wrapper > div.preloader__section <div class="preloader__section preloader__section--right"> Unsupported CSS Property: visibility	visibility

Low **Reduce unused JavaScript** LCP Potential savings of 67.7KB

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-CMWGE1WXSE	95.7KB	42.3KB
https://magenta-technology.com/wp-content/themes/magenta-theme/js/libs.min.js?ver=1.0	38.9KB	25.4KB

Low **Use HTTP/2 for all resources** 54 requests not served via HTTP/2

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

URL

PROTOCOL

https://magenta-technology.com/	http/1.1
https://magenta-technology.com/wp-content/themes/magenta-theme/style.css?ver=1.0	http/1.1
https://magenta-technology.com/wp-content/themes/magenta-theme/css/main.min.css?ver=1.0	http/1.1
https://magenta-technology.com/wp-includes/css/dist/block-library/style.min.css?ver=6.0.1	http/1.1
https://magenta-technology.com/wp-content/plugins/contact-form-7/includes/css/styles.css?ver=5.5.6	http/1.1
https://magenta-technology.com/wp-content/uploads/2021/10/logo.svg	http/1.1
https://magenta-technology.com/wp-content/uploads/2021/10/tablet-7.jpg	http/1.1
https://magenta-technology.com/wp-content/uploads/2021/10/mobile-7.jpg	http/1.1
https://magenta-technology.com/wp-content/uploads/2021/11/desktop.jpg	http/1.1
https://magenta-technology.com/wp-content/uploads/2021/10/tablet-5.jpg	http/1.1
https://magenta-technology.com/wp-content/uploads/2021/10/mobile-5.jpg	http/1.1
https://magenta-technology.com/wp-content/uploads/2021/10/desktop-5.jpg	http/1.1
https://magenta-technology.com/wp-content/uploads/2021/10/tablet-6.jpg	http/1.1
https://magenta-technology.com/wp-content/uploads/2021/10/mobile-6.jpg	http/1.1
https://magenta-technology.com/wp-content/uploads/2021/10/desktop-6.jpg	http/1.1
https://magenta-technology.com/wp-content/uploads/2021/10/tablet-4.jpg	http/1.1
https://magenta-technology.com/wp-content/uploads/2021/10/mobile-4.jpg	http/1.1
https://magenta-technology.com/wp-content/uploads/2021/11/desktop-2.jpg	http/1.1
https://magenta-technology.com/wp-content/uploads/2021/10/1-1.svg	http/1.1
https://magenta-technology.com/wp-content/uploads/2021/10/2-1.svg	http/1.1
https://magenta-technology.com/wp-content/uploads/2021/10/3-1.svg	http/1.1
https://magenta-technology.com/wp-content/uploads/2021/10/4-1.svg	http/1.1
https://magenta-technology.com/wp-content/uploads/2021/10/5.svg	http/1.1
https://magenta-technology.com/wp-content/uploads/2021/10/6.svg	http/1.1
https://magenta-technology.com/wp-content/uploads/2021/10/7-1.svg	http/1.1
https://magenta-technology.com/wp-content/themes/magenta-theme/img/way.svg	http/1.1
https://magenta-technology.com/wp-content/themes/magenta-theme/img/car.png	http/1.1
https://magenta-technology.com/wp-content/uploads/2021/10/1-1.png	http/1.1
https://magenta-technology.com/wp-content/uploads/2021/10/2-1-e1635353354463.png	http/1.1
https://magenta-technology.com/wp-content/uploads/2021/10/3-1.png	http/1.1
https://magenta-technology.com/wp-content/uploads/2021/10/4-1.png	http/1.1
https://magenta-technology.com/wp-content/plugins/contact-form-7-image-captcha/style.css?ver=3.2.5	http/1.1
https://magenta-technology.com/wp-content/themes/magenta-theme/js/libs.min.js?ver=1.0	http/1.1
https://magenta-technology.com/wp-content/themes/magenta-theme/js/common.min.js?ver=1.0	http/1.1
https://magenta-technology.com/wp-includes/js/dist/vendor/regenerator-runtime.min.js?ver=0.13.9	http/1.1
https://magenta-technology.com/wp-includes/js/dist/vendor/wp-polyfill.min.js?ver=3.15.0	http/1.1
https://magenta-technology.com/wp-content/plugins/contact-form-7/includes/js/index.js?ver=5.5.6	http/1.1
https://magenta-technology.com/wp-includes/js/wp-emoji-release.min.js?ver=6.0.1	http/1.1
https://magenta-technology.com/wp-content/themes/magenta-theme/fonts/FiraSans/FiraSans.woff2	http/1.1
https://magenta-technology.com/wp-content/themes/magenta-theme/fonts/FiraSans/FiraSansMedium.woff2	http/1.1
https://magenta-technology.com/wp-content/themes/magenta-theme/fonts/Museo/Museo900-Regular.woff2	http/1.1
https://magenta-technology.com/wp-content/themes/magenta-theme/img/decor/who-we-arrows.svg	http/1.1
https://magenta-technology.com/wp-content/themes/magenta-theme/img/decor/lines.svg	http/1.1
https://magenta-technology.com/wp-content/uploads/2021/10/1.svg	http/1.1
https://magenta-technology.com/wp-content/uploads/2021/10/2.svg	http/1.1
https://magenta-technology.com/wp-content/uploads/2021/10/3.svg	http/1.1
https://magenta-technology.com/wp-content/uploads/2021/10/4.svg	http/1.1
https://magenta-technology.com/wp-content/uploads/2021/10/poster.jpg	http/1.1
https://magenta-technology.com/wp-content/themes/magenta-theme/img/icons/svg/settings.svg	http/1.1
https://magenta-technology.com/wp-content/themes/magenta-theme/fonts/FiraSans/FiraSans-Bold.woff2	http/1.1
https://magenta-technology.com/wp-content/themes/magenta-theme/fonts/Museo/Museo700-Regular.woff2	http/1.1
https://magenta-technology.com/wp-content/themes/magenta-theme/fonts/IntroBlackAlt/Intro-Black-Alt.woff2	http/1.1

URL

- <https://magenta-technology.com/wp-content/themes/magenta-theme/img/favicon/site.webmanifest>
- <https://magenta-technology.com/wp-content/themes/magenta-theme/img/favicon/favicon-32x32.png>

PROTOCOL

http/1.1
http/1.1

N/A

Largest Contentful Paint element LCP

2,120 ms

This is the largest contentful element painted within the viewport.

ELEMENT

```
div > div.promo-slide > div.promo-slide__img > img.promo-slide__img-desktop

```

PHASE	% OF LCP	TIMING
TTFB	18%	388ms
Load Delay	26%	540ms
Load Time	3%	71ms
Render Delay	53%	1.1s

N/A

Minimize main-thread work TBT

Main-thread busy for 2.0s

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

CATEGORY	TIME SPENT
Other	805ms
Script Evaluation	514ms
Style & Layout	349ms
Parse HTML & CSS	169ms
Script Parsing & Compilation	87ms
Rendering	69ms

N/A

Reduce the impact of third-party code TBT

Third-party code blocked the main thread for 82ms

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

95.7KB

64ms

- <https://www.googletagmanager.com/gtag/js?id=G-CMWGE1WXSE>

95.7KB

64ms

JQUERY CDN

29.4KB

17ms

- <https://code.jquery.com/jquery-2.2.4.min.js?ver=1.0>

29.4KB

17ms

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.