Performance Report for:

https://open.spotify.com/

Report generated: Sun, Nov 13, 2022 5:17 PM -0800
Test Server Location: 🇨🇦 Vancouver, Canada
Using: 🌐 Chrome (Desktop) 103.0.5060.134, Lighthouse 9.6.4

D	Performance	Structure		L. Contentful Paint	T. Blocking Time	C. Layout Shift
	54%	**81%**		**4.2s**	**297ms**	**0.01**

Top Issues

IMPACT	AUDIT		
Med	**Don't lazy load Largest Contentful Paint image**		LCP was lazy loaded
Med	**Avoid unload event listeners**		1 listener found
Med-Low	**Avoid enormous network payloads** `LCP`		Total size was 3.39MB
Med-Low	**Serve static assets with an efficient cache policy**		Potential savings of 188KB
Med-Low	**Avoid chaining critical requests** `FCP` `LCP`		6 chains found

Page Details

5.7s
Fully Loaded Time

Total Page Size - 3.39MB

JS 2.42MB	Font 397KB		

Total Page Requests - 133

Other 50.4%	JS 24.1%	IMG 14.3%		

🟪 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.**
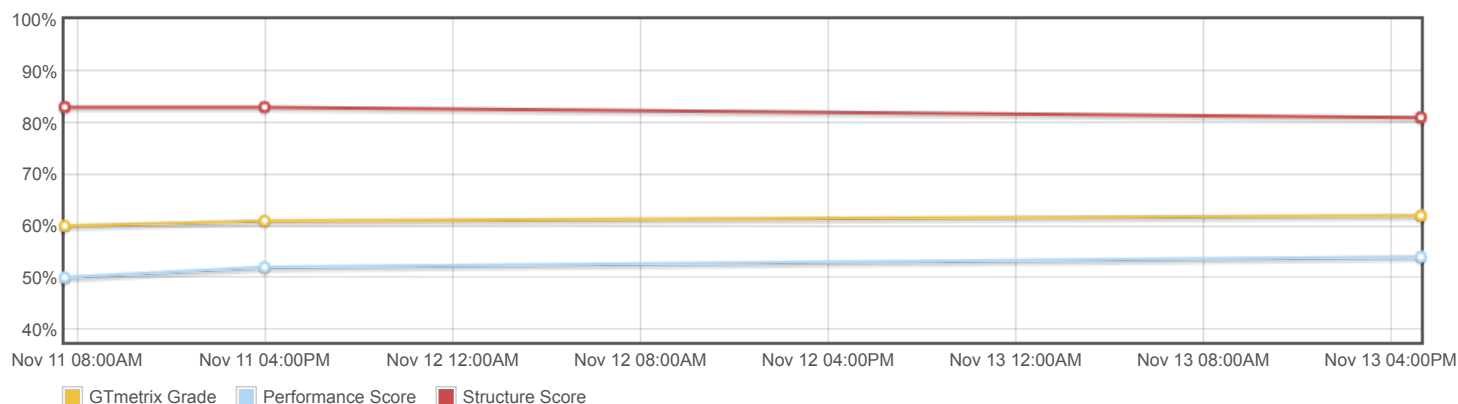
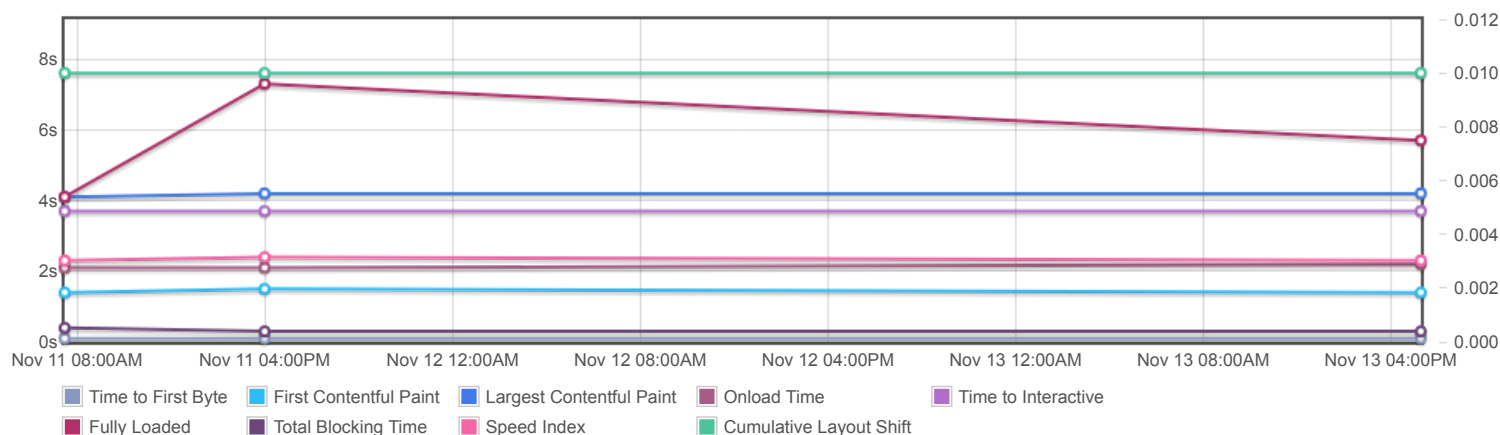## About GTmetrix

CARBON60
THE MANAGED CLOUD COMPANY

GTmetrix is developed by the good folks at **Carbon60**, a Canadian hosting company with over 26 years experience in web technology.
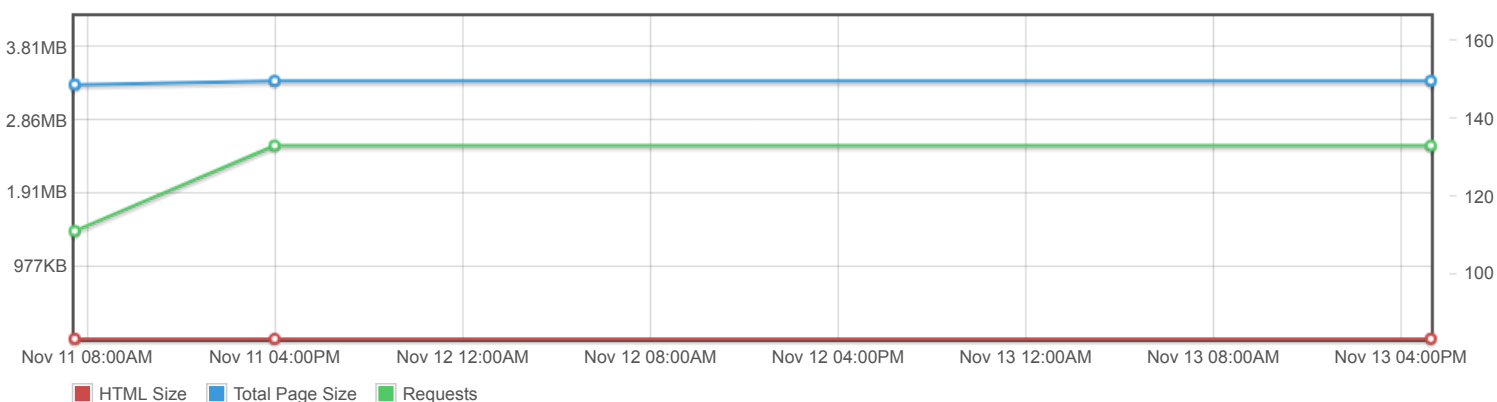
https://carbon60.com/

Page scores

- GTmetrix Grade
- Performance Score
- Structure Score

Page metrics

- Time to First Byte
- First Contentful Paint
- Largest Contentful Paint
- Onload Time
- Time to Interactive
- Fully Loaded
- Total Blocking Time
- Speed Index
- Cumulative Layout Shift

Page sizes and request counts

- HTML Size
- Total Page Size
- Requests

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.

Spotify – Web Player

/	200	open.spotify.com	3.92KB	136ms
CircularSp-Book-4eaffdf96f4c6f98468...	200	encore.scdn.co	82.6KB	67ms
CircularSp-Bold-fe1cfc14b7498b187c...	200	encore.scdn.co	88.0KB	66ms
CircularSpTitle-Bold-2fbf72b606d7f0b...	200	encore.scdn.co	85.9KB	66ms
CircularSpTitle-Black-3f9afb402080d5...	200	encore.scdn.co	84.2KB	67ms
spoticon_regular_2.d319d911.woff2	200	open.spotifycdn.com	56.2KB	64ms
web-player.093e0c2b.css	200	open.spotifycdn.com	55.8KB	67ms
vendor~web-player.c62a24ee.css	200	open.spotifycdn.com	6.52KB	57ms
en.8e6aa888.json	200	open.spotifycdn.com	22.2KB	65ms
enterprise.js?render=6LfCVLAUAAA...	200	google.com	617B	61ms
optimize.js?id=GTM-W53X654	200	googleoptimize.com	44.5KB	92ms
gtm.ead0f304.js	200	open.spotifycdn.com	1.76KB	55ms
retargeting-pixels.1fa1ceda.js	200	open.spotifycdn.com	970B	53ms
web-player.6b4e5413.js	200	open.spotifycdn.com	607KB	97ms
vendor~web-player.08e36d27.js	200	open.spotifycdn.com	963KB	266ms
recaptcha__en.js	200	gstatic.com	159KB	77ms
POST envelope?sentry_key=de32132...	200	sentry.io	406B	225ms
xpui-routes-offline-browse.d8229c25.js	200	open.spotifycdn.com	1.57KB	7ms
anchor?ar=1&k=6LfCVLAUAAAAALF...	200	google.com	21.3KB	29ms
?type=dealer&type=spclient	200	apresolve.spotify.com	110B	52ms
styles__ltr.css	200	gstatic.com	23.7KB	27ms
recaptcha__en.js	200	gstatic.com	159KB	50ms
cast_sender.js?loadCastFramework=1	200	gstatic.com	1.98KB	49ms
5392.f86e7f40.js	200	open.spotifycdn.com	27.0KB	9ms
7269.8221b939.js	200	open.spotifycdn.com	6.50KB	9ms
home-v2.d147ff94.css	200	open.spotifycdn.com	2.96KB	7ms
home-v2.d147ff94.js	200	open.spotifycdn.com	5.74KB	23ms
webworker.js?hl=en&v=jF-AgDWy8ih...	200	google.com	134B	19ms
otSDKStub.js	200	cdn.cookielaw.org	6.98KB	27ms
POST events	200	guc3-spclient.spotify.c...	58B	244ms
POST events	200	guc3-spclient.spotify.c...	58B	168ms
POST clienttoken	200	clienttoken.spotify.com	437B	172ms
OPTIONS events	200	guc3-spclient.spotify.c...	0	70ms
OPTIONS events	200	guc3-spclient.spotify.c...	0	69ms
OPTIONS clienttoken	200	clienttoken.spotify.com	0	115ms
50da44be-0564-43df-b139-329aedcf26...	200	cdn.cookielaw.org	2.10KB	26ms
gtm.js?id=GTM-PZHN3VD	200	googletagmanager.com	92.5KB	79ms
cast_framework.js	200	gstatic.com	12.1KB	29ms
cast_sender.js	200	gstatic.com	14.8KB	28ms
POST reload?k=6LfCVLAUAAAAALF...	200	google.com	18.9KB	63ms
application-certificate	200	spclient.wg.spotify.com	732B	68ms
location	200	geolocation.onetrust.c...	325B	58ms
fraud?token=03AEkXODAh3iCWvsut...	200	open.spotify.com	68B	76ms
POST events	200	guc3-spclient.spotify.c...	58B	295ms
POST events	200	guc3-spclient.spotify.c...	58B	194ms
otBannerSdk.js	200	cdn.cookielaw.org	75.9KB	20ms
en.json	200	cdn.cookielaw.org	18.3KB	14ms
analytics.js	200	google-analytics.com	19.6KB	101ms
sync.min.js	200	pixel-static.spotify.com	2.01KB	74ms
core.js	200	s.pinimg.com	1.12KB	148ms
fbevents.js	200	connect.facebook.net	26.7KB	317ms
uwt.js	200	static.ads-twitter.com	15.0KB	92ms
scevent.min.js	200	sc-static.net	11.7KB	150ms
b0R.js	(blocked)	cl.qualaroo.com	0	0ms

insights.js?k=040e3997-282c-4275-ba...	200	fastly-insights.com	8.00KB			105ms
js?id=G-ZWG1NSHWD8&l=dataLayer...	200	googletagmanager.com	74.2KB			104ms
otFlat.json	200	cdn.cookielaw.org	2.88KB			20ms
otPcCenter.json	200	cdn.cookielaw.org	11.3KB			71ms
otCommonStyles.css	200	cdn.cookielaw.org	4.30KB			72ms
b?c1=2&c2=15654041&ns__t=166838...	302	sb.scorecardresearch....	0			141ms
manifest-web-player.8e800d3e.json	200	open.spotifycdn.com	970B			70ms
POST clienttoken	200	clienttoken.spotify.com	437B			76ms
favicon.5cb2bd30.ico	200	open.spotifycdn.com	4.19KB			74ms
cs.js	302	sb.scorecardresearch....	0			122ms
sync?ce=1&pp=	200	pixel.spotify.com	187B			77ms
Spotify_256.c8416b60.png	200	open.spotifycdn.com	10.7KB			41ms
adsct?bci=3&eci=2&event_id=88741c...	200	t.co	43B			107ms
adsct?bci=3&eci=2&event_id=88741c...	200	analytics.twitter.com	43B			120ms
b2?c1=2&c2=15654041&ns__t=16683...	204	sb.scorecardresearch....	189B			31ms
cs.js	200	sb.scorecardresearch....	359B			7ms
event?d_cid=257894%2501d7c35768-...	200	spotify.demdex.net	625B			89ms
466206.gif?partner_uid=d7c35768-8b...	307	idsync.rlcdn.com	0			112ms
040e3997-282c-4275-ba9b-a406ce78b...	200	fastly-insights.com	18.7KB			60ms
main.a25a5f34.js	200	s.pinimg.com	20.3KB			97ms
is_enabled?pids=b6325cc9-e6bb-42e...	200	tr.snapchat.com	479B			143ms
i?pid=b6325cc9-e6bb-42e0-807d-bc81...	200	tr.snapchat.com	587B			119ms
identity.js?v=2.9.89	200	connect.facebook.net	20.3KB			240ms
1483047915331997?v=2.9.89&r=stable	200	connect.facebook.net	84.9KB			299ms
1000.gif?memo=CJ66HBlwCiwlARDU...	307	idsync.rlcdn.com	0			96ms
o.svg?u=e972dd19-1d15-481c-a7e5-8...	200	mci-v4.pops.fastly-insi...	1.28KB			223ms
p?pid=b6325cc9-e6bb-42e0-807d-bc8...	200	tr.snapchat.com	68B			92ms
user?tid=2612810699919&pd=%7B%2...	200	ct.pinterest.com	378B			141ms
v3?tid=2612810699919&pd=%7B%22...	403	ct.pinterest.com	316B			122ms
sync?pid=5324&it=1&iv=bc53268b84...	307	pippio.com	0			168ms
scevent.min.js	200	sc-static.net	11.7KB			24ms
s?bt=1d53c387&pnid=140&cb=16683...	302	tr.snapchat.com	0			80ms
ct.html	200	ct.pinterest.com	323B			125ms
pixel?google_nid=pippio_dmp&googl...	302	cm.g.doubleclick.net	412B			94ms
push?partner_id=2884&partner_url=h...	302	pixel.tapad.com	0			75ms
tr?id=1483047915331997&ev=PageVie...	200	facebook.com	185B			99ms
l	200	e972dd19-1d15-481c-...	1.09KB			168ms
POST clienttoken	200	clienttoken.spotify.com	437B			58ms
ddp?pid=2&m=CMwpElsKVwgBEJln...	307	pippio.com	0			92ms
check?partner_id=2884&partner_url=...	302	pixel.tapad.com	0			43ms
p?rand=1668029072660&pnid=140&p...	200	tr.snapchat.com	0			97ms
query?operationName=home&variabl...	200	api-partner.spotify.com	4.25KB			293ms
OPTIONS query?operationName=ho...	200	api-partner.spotify.com	0			68ms
rcs?ns=lr&uid3=	303	tags.rd.linksynergy.com	111B			75ms
POST b?k=040e3997-282c-4275-ba9b-...	204	fastly-insights.com	0			24ms
o.svg?u=e972dd19-1d15-481c-a7e5-8...	200	yyc-v4.pops.fastly-insi...	1.28KB			118ms
458249.gif?partner_uid=36a01d08-12f...	200	idsync.rlcdn.com	60B			52ms
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o.svg?u=e972dd19-1d15-481c-a7e5-8...	200	e972dd19-1d15-481c-...	1.01KB			31ms
8419.1dff9908.css	200	open.spotifycdn.com	0			16ms
8419.1dff9908.js	200	open.spotifycdn.com	0			15ms
ab67706f00000002ff9a4af2cae92fb508...	200	i.scdn.co	51.6KB			74ms
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ab67706f000000025551996f500ba876...	200	i.scdn.co	26.9KB			96ms
ab67706f000000025d87659dcadef82d...	200	i.scdn.co	21.6KB			97ms
ab67706f000000025b0a7b8408322a3b...	200	i.scdn.co	23.4KB			97ms
ab67706f00000002863b311d4b787ed6...	200	i.scdn.co	37.5KB			96ms
tr?id=1483047915331997&ev=Microda...	200	facebook.com	0			63ms

POST events	200	guc3-spclient.spotify.c…	58B	168ms
POST b?k=040e3997-282c-4275-ba9b-…	204	fastly-insights.com	0	40ms
o.svg?u=e972dd19-1d15-481c-a7e5-8…	200	phx-v4.pops.fastly-insi…	1.28KB	182ms
POST events	200	guc3-spclient.spotify.c…	58B	172ms
POST b?k=040e3997-282c-4275-ba9b-…	204	fastly-insights.com	0	8ms
o.svg?u=e972dd19-1d15-481c-a7e5-8…	200	cph-v4.pops.fastly-insi…	1.28KB	505ms
POST b?k=040e3997-282c-4275-ba9b-…	204	fastly-insights.com	0	6ms
o.svg?u=e972dd19-1d15-481c-a7e5-8…	200	yul-v4.pops.fastly-insi…	1.28KB	245ms
POST b?k=040e3997-282c-4275-ba9b-…	204	fastly-insights.com	0	5ms
o.svg?u=e972dd19-1d15-481c-a7e5-8…	200	bare-v4.pops.fastly-ins…	1.29KB	38ms
POST b?k=040e3997-282c-4275-ba9b-…	204	fastly-insights.com	0	11ms
o.svg?u=e972dd19-1d15-481c-a7e5-8…	200	bos-v4.pops.fastly-insi…	1.28KB	247ms
POST b?k=040e3997-282c-4275-ba9b-…	204	fastly-insights.com	0	8ms
o.svg?u=e972dd19-1d15-481c-a7e5-8…	200	lga-v4.pops.fastly-insi…	1.28KB	244ms
POST b?k=040e3997-282c-4275-ba9b-…	204	fastly-insights.com	0	6ms
o.svg?u=e972dd19-1d15-481c-a7e5-8…	200	klot-v4.pops.fastly-insi…	1.29KB	187ms
POST b?k=040e3997-282c-4275-ba9b-…	204	fastly-insights.com	0	5ms

133 Requests	**3.36MB (11.4MB Uncompressed)**	**5.7s (Onload 2.2s)**

0.6s 1.1s 1.7s 2.3s 2.9s 3.4s 4s 4.6s 5.2s 5.7s

TTFB: 109ms

Redirect: 0ms
Connect: 29ms
Backend: 80ms

First Contentful Paint: 1.4s

Onload Time: 2.2s

Time to Interactive: 3.7s

Fully Loaded Time: 5.7s

Largest Contentful Paint: 4.2s

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.

Longer than recommended

1.4s

Time to Interactive

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

Longer than recommended

3.7s

Speed Index

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

Much longer than recommended

2.3s

Total Blocking Time

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

Longer than recommended

297ms

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.

Much longer than recommended

4.2s

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

0.01

Browser Timings

Redirect	0ms

Connect	29ms

Backend	80ms

TTFB	109ms

First Paint	279ms

DOM Int.	1.1s

DOM Loaded	1.1s

Onload	2.2s

Fully Loaded	5.7s

IMPACT	AUDIT	
Med	Don't lazy load Largest Contentful Paint image	LCP was lazy loaded
Med	Avoid unload event listeners	1 listener found
Med-Low	Avoid enormous network payloads LCP	Total size was 3.39MB
Med-Low	Serve static assets with an efficient cache policy	Potential savings of 188KB
Med-Low	Avoid chaining critical requests FCP LCP	6 chains found
Low	Avoid long main-thread tasks TBT	10 long tasks found
Low	Reduce JavaScript execution time TBT	1.7s spent executing JavaScript
Low	Reduce unused JavaScript LCP	Potential savings of 1.37MB
Low	Use a Content Delivery Network (CDN)	4 resources found
Low	Avoid an excessive DOM size TBT	804 elements
Low	Use HTTP/2 for all resources	Potential savings of 130ms
Low	Properly size images	Potential savings of 222KB
Low	Efficiently encode images	Potential savings of 47.4KB
Low	Eliminate render-blocking resources FCP LCP	Potential savings of 30ms
Low	Enable text compression FCP LCP	Potential savings of 16.0KB
Low	Reduce unused CSS FCP LCP	Potential savings of 63.1KB
Low	Serve images in next-gen formats	Potential savings of 185KB
Low	Reduce initial server response time FCP LCP	Root document took 79ms
Low	Avoid serving legacy JavaScript to modern browsers TBT	Potential savings of 34.7KB
Low	Avoid non-composited animations CLS	2 animated elements found
N/A	Largest Contentful Paint element LCP	1 element found
N/A	Avoid large layout shifts CLS	3 elements found
N/A	Minimize main-thread work TBT	Main-thread busy for 3.5s

| N/A | **User Timing marks and measures** | 2 user timings |
| N/A | **Reduce the impact of third-party code** TBT | Third-party code blocked the main thread for 33ms |