

Performance Report for: <https://www.nasa.gov/>

Report generated: Mon, Feb 21, 2022 1:43 PM -0800
Test Server Location: Vancouver, Canada
Using: Chrome (Desktop) 90.0.4430.212, Lighthouse 8.3.0

B	Performance 82%	Structure 75%	L. Contentful Paint 1.2s	T. Blocking Time 12ms	C. Layout Shift 0.62
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Top Issues

IMPACT	AUDIT	
High	Avoid enormous network payloads	Total size was 5.59MB
Med	Eliminate render-blocking resources	Potential savings of 476ms
Med	Avoid large layout shifts	5 elements found
Med	Serve static assets with an efficient cache policy	Potential savings of 5.06MB
Med-Low	Avoid CSS @import	1 resource found

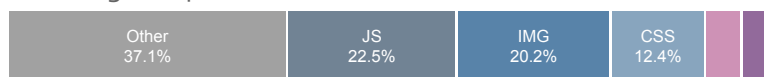
Page Details



Total Page Size - 5.57MB



Total Page Requests - 89



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

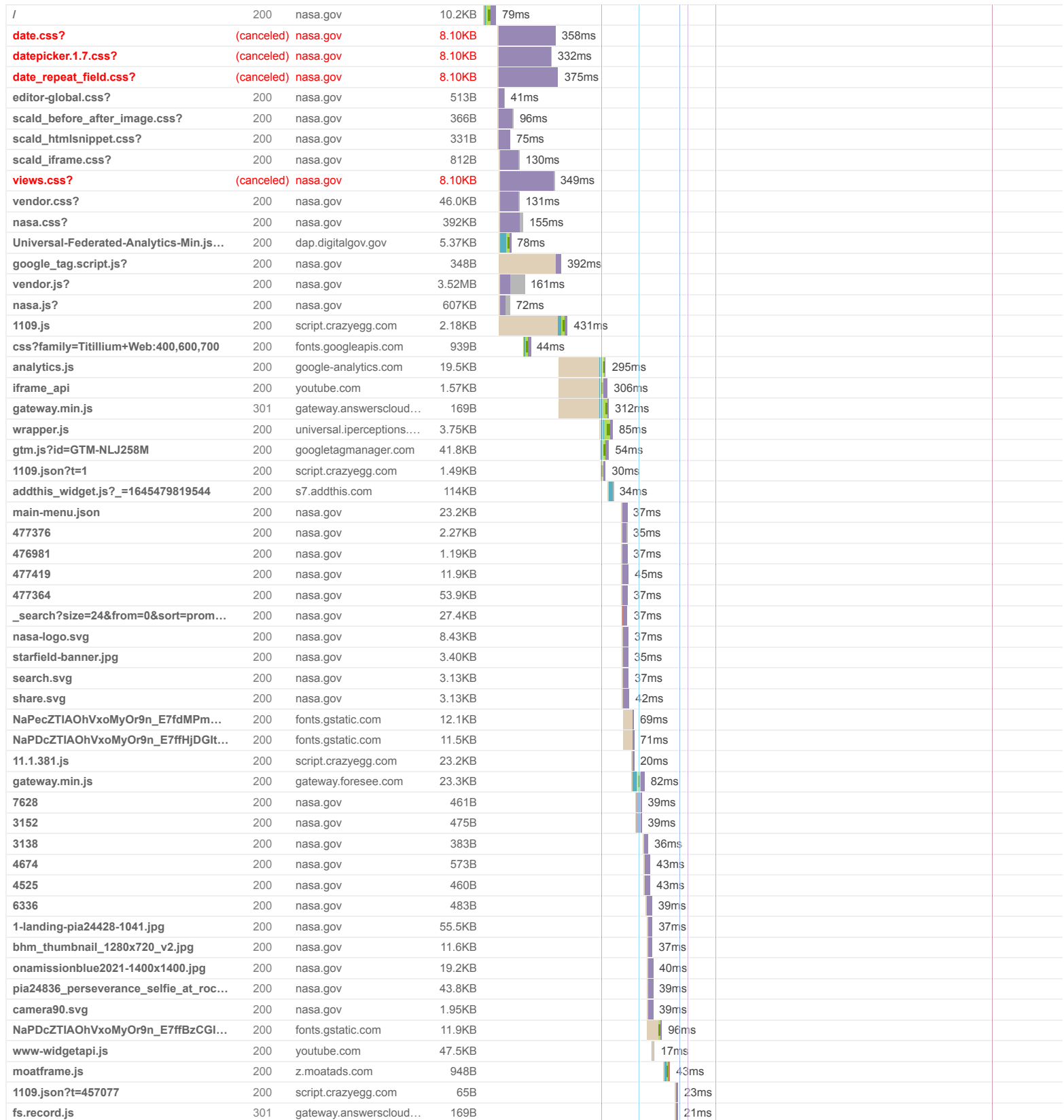
CARBON60
THE MANAGED CLOUD COMPANY

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

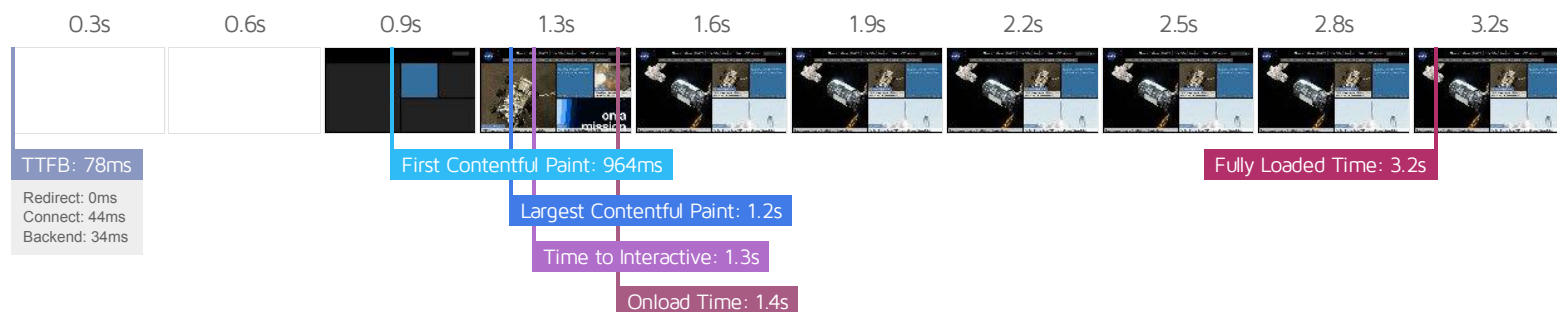
<https://carbon60.com/>

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.

NASA



fs.utils.js	301	gateway.answerscloud...	169B				20ms	
fs.trigger.js	301	gateway.answerscloud...	169B				19ms	
3456	200	nasa.gov	555B				121ms	
3121	200	nasa.gov	466B				115ms	
3126	200	nasa.gov	332B				37ms	
3125	200	nasa.gov	457B				71ms	
3136	200	nasa.gov	478B				42ms	
3234	200	nasa.gov	480B				41ms	
3224	200	nasa.gov	475B				44ms	
4291	200	nasa.gov	501B				47ms	
cygnus_image.jpg	200	nasa.gov	63.8KB				39ms	
wff-2022-009-002.jpg	200	nasa.gov	48.4KB				42ms	
nachos-image2.jpg	200	nasa.gov	45.4KB				54ms	
friendship_7_8_glenn_ingressing_sp...	200	nasa.gov	24.3KB				43ms	
14213141670_df90994b1e_k.jpeg	200	nasa.gov	15.8KB				44ms	
nasa-logo-web-rgb_0.jpg	200	nasa.gov	16.9KB				81ms	
fs.record.js	200	gateway.foresee.com	17.7KB				15ms	
fs.utils.js	200	gateway.foresee.com	29.5KB				17ms	
fs.trigger.js	200	gateway.foresee.com	10.4KB				14ms	
ring.svg	200	nasa.gov	2.27KB				47ms	
1-landing-pia24428-1041.jpg	200	nasa.gov	18.5KB				49ms	
onamissionblue2021-1400x1400.jpg	200	nasa.gov	12.7KB				52ms	
healthcheck	200	pagestates-tracking.cr...	19B				96ms	
healthcheck	200	assets-tracking.crazye...	19B				96ms	
_ate.track.config_resp	200	v1.addthisedge.com	548B				38ms	
300io.json?si=6214078c2524356a&bkl...	200	m.addthis.com	101B				126ms	
sh.f48a1a04fe8dbf021b4cda1d.html	(canceled)	s7.addthis.com	0				1ms	
sh.f48a1a04fe8dbf021b4cda1d.html	200	s7.addthis.com	25.8KB				26ms	
clock?t=1645479820425	200	tracking.crazyegg.com	28B				268ms	
iFrame.html	200	universal.iperceptions....	1.37KB				25ms	
layers.fa6cd1947ce26e890d3d.js	200	s7.addthis.com	75.8KB				28ms	
favicon.ico	200	nasa.gov	14.7KB				39ms	
POST events	200	analytics.foresee.com	45B					1.3s
OPTIONS events	200	analytics.foresee.com	0				215ms	
InviteTriggers	401	api.iperceptions.com	31B				130ms	
OPTIONS InviteTriggers	200	api.iperceptions.com	0				103ms	
90 Requests 5.58MB (6.51MB Uncompressed) Fully Loaded 3.2s (Onload 1.4s)								



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.	OK, but consider improvement 963ms	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 1.3s
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 1.2s	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 12ms
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 1.2s	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.	Much more than recommended 0.62

Browser Timings

Redirect	0ms	Connect	44ms	Backend	34ms
TTFB	78ms	DOM Int.	723ms	DOM Loaded	731ms
First Paint	743ms	Onload	1.4s	Fully Loaded	3.2s

IMPACT	AUDIT	
High	Avoid enormous network payloads	Total size was 5.59MB
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Med	Serve static assets with an efficient cache policy	Potential savings of 5.06MB
Med-Low	Avoid CSS @import	1 resource found
Low	Enable text compression	Potential savings of 3.32MB
Low	Reduce unused JavaScript	Potential savings of 2.62MB
Low	Reduce JavaScript execution time	572ms spent executing JavaScript
Low	Reduce unused CSS	Potential savings of 419KB
Low	Minify CSS	Potential savings of 81.3KB
Low	Avoid chaining critical requests	16 chains found
Low	Avoid an excessive DOM size	300 elements
Low	Efficiently encode images	Potential savings of 78.5KB
Low	Ensure text remains visible during webfont load	3 fonts found
Low	Avoid long main-thread tasks	5 long tasks found
Low	Serve images in next-gen formats	Potential savings of 160KB
Low	Reduce initial server response time	Root document took 34ms
Low	Avoid serving legacy JavaScript to modern browsers	Potential savings of 18.1KB
N/A	Largest Contentful Paint element	1 element found
N/A	Minimize main-thread work	Main-thread busy for 1.3s
N/A	User Timing marks and measures	1 user timing
N/A	Reduce the impact of third-party code	Total size was 485KB