vegeo.js©

JavaScript engine for web site powering

COMPARISON BETWEEN
Page loading time at the first visit to a web page,
and page loading time after **vegeo.js** loaded

Web site https://jazzbina.ba is placed on a shared server (low cost), location Amsterdam, Netherlands.
Web page https://jazzbina.ba/en/gallery/ shall be used for this comparison.
Tests are executed both with Chrome and Firefox development tools.

A) First time page loading – first visit to the web page
- cache emptied;

a1. Chrome dev. Tools

Last item loaded (user visible) is an image file (pr4index.jpg)

Queued at 774.78 ms
Started at 775.65 ms

Resource Scheduling		DURATION
Queueing		0.88 ms

Connection Start		DURATION
Stalled		3.66 ms

Request/Response		DURATION
Request sent		0.47 ms
Waiting (TTFB)		63.47 ms
Content Download		112.02 ms

Explanation		180.50 ms

Chrome reports web page loading time of **956 ms.**

a2. Firefox dev. Tools

Last item loaded (user visible) is an image file (cumurtam.png)
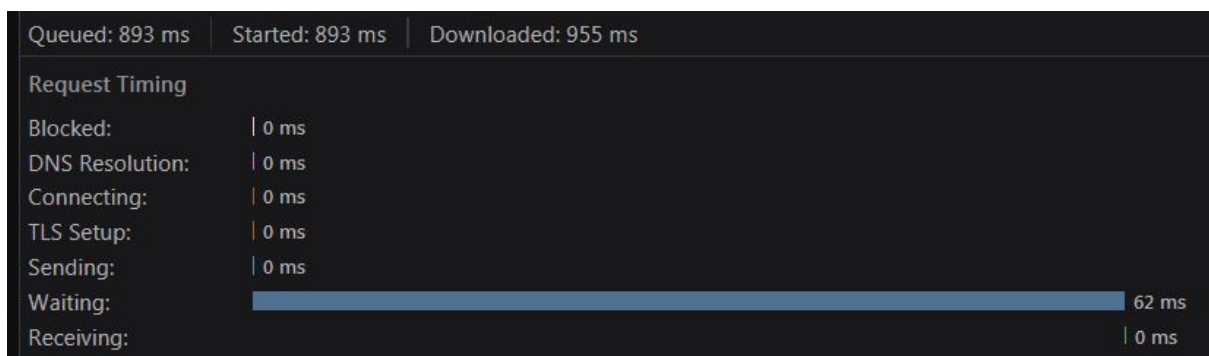
Firefox reports web page loading time of **955 ms.**

B) Page loading time after powering of vegeo.js

https://jazzbina.ba/en/home/ will be loaded first in order to initiate **vegeo.js**.
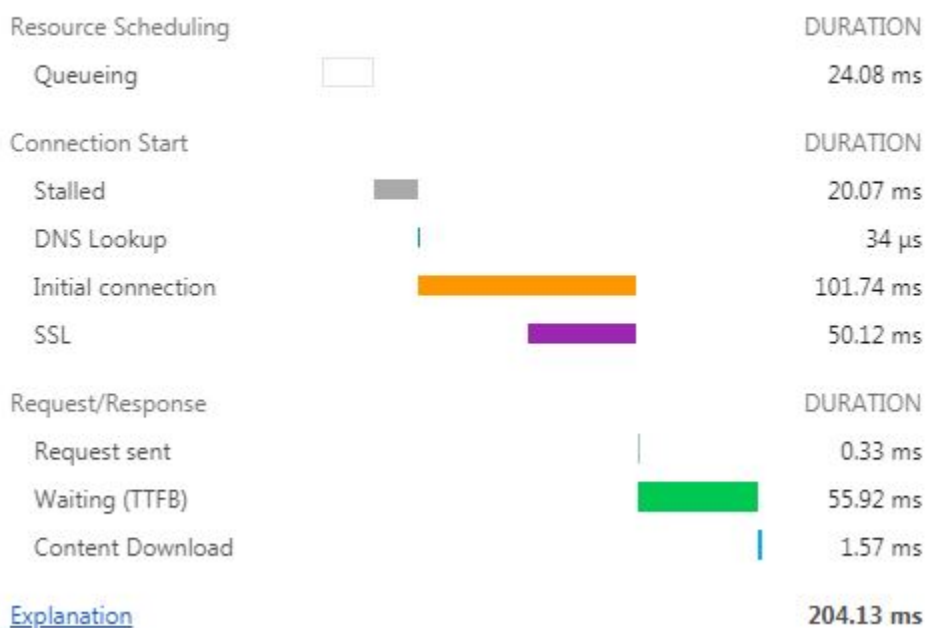Then https://jazzbina.ba/en/gallery/ is loaded for the first time:

b1. Chrome dev. tools

First item loaded (gallery/ - xhr):

Queued at 12.75 s

Started at 12.78 s

Resource Scheduling	DURATION
Queueing	24.08 ms

Connection Start	DURATION
Stalled	20.07 ms
DNS Lookup	34 µs
Initial connection	101.74 ms
SSL	50.12 ms

Request/Response	DURATION
Request sent	0.33 ms
Waiting (TTFB)	55.92 ms
Content Download	1.57 ms

Explanation	204.13 ms

Last item loaded (user visible) is an image file (h16.jpg):

Queued at 12.99 s

Started at 12.99 s

Resource Scheduling	DURATION
Queueing	1.31 ms

Connection Start	DURATION
Stalled	3.48 ms

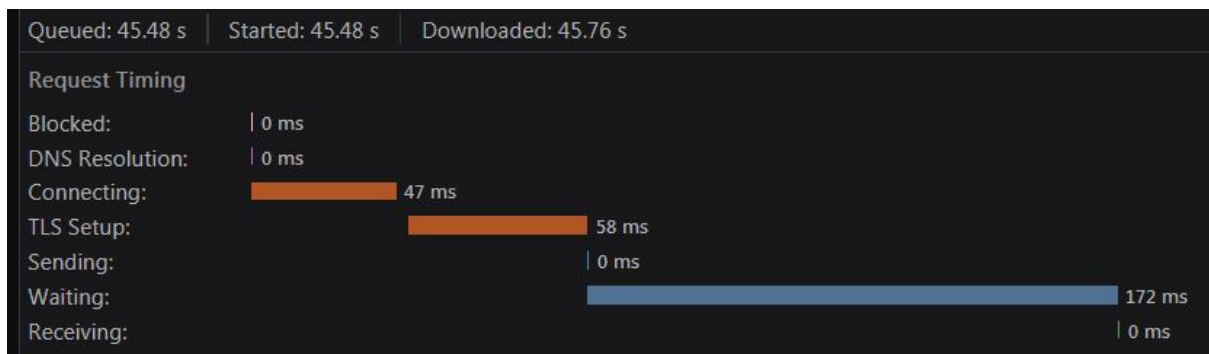| Request/Response	DURATION
Request sent	0.30 ms
Waiting (TTFB)	183.81 ms
Content Download	114.20 ms

Explanation	303.11 ms
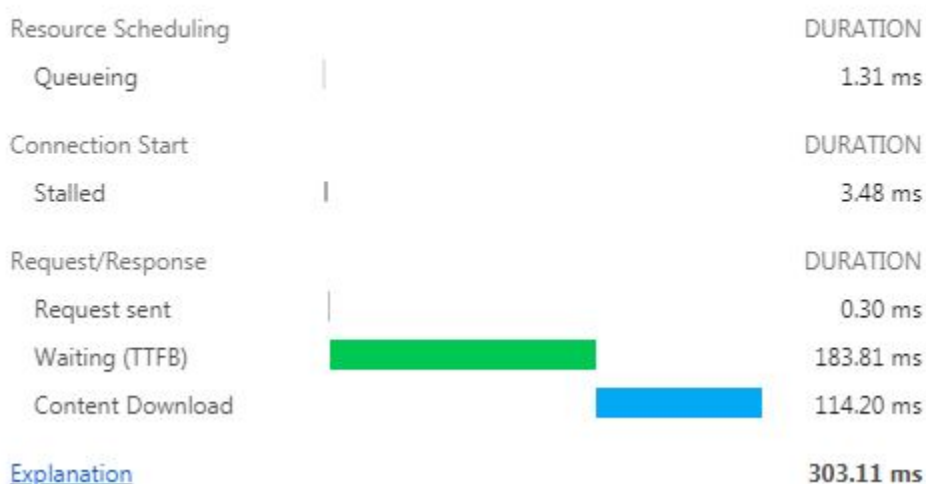
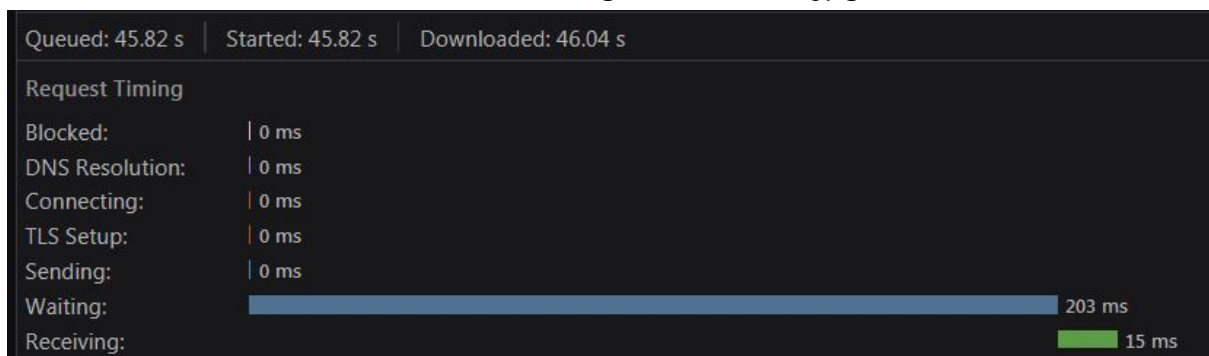Chrome reports total web page loading time of **543 ms.**

This time, at the first visit to the gallery web page, Chrome reports reduction
around **43%** of the web page loading time when powering vegeo.js.

b2. Firefox dev. tools

First item loaded (gallery/ - xhr)

Last item loaded (user visible) is an image file (latena.jpg)

Firefox reports total page loading time of **558 ms.**

This time, at the first visit to the gallery web page, Firefox reports reduction around **42%** of the web page loading time when powering vegeo.js.

C) Second web page loading time after vegeo.js loaded + cache

Next visit to the web page (browser cache) shall give loading time of just several ms:

Only gallery - xhr is loaded:

c1. Chrome dev. tools

		DURATION
Queued at 7.1 min		
Started at 7.1 min		
Resource Scheduling		DURATION
Queueing		10.42 ms
Connection Start		DURATION
Stalled		0.52 ms
Request/Response		DURATION
Request sent		0
Waiting (TTFB)		10.64 ms
Content Download		4.06 ms
Explanation		25.64 ms

Chrome reported loading time around **26 ms**.

c2. Firefox dev. tools

Queued: 0 ms	Started: 0 ms	Downloaded: 0 ms
Request Timing		
Blocked:	0 ms	
DNS Resolution:	0 ms	
Connecting:	0 ms	
TLS Setup:	0 ms	
Sending:	0 ms	
Waiting:	0 ms	
Receiving:	0 ms	

Firefox reported **0 ms** web page loading time

Observation:

Although there are different page loading times for both browsers, significant **reduction of over 40%** of the web page load time may be observed.

Total reduction of web page loading time shall always be noticeable, and it can vary, depending on web site design.

The web page loading time after contents cached is close to only several ms.

In any case, user experience shall always be significantly better.

Please be free to test **vegeo.js** at **https://jazzbina.ba**

Notice:

https://jazzbina.ba site uses **jQuery** version of vegeo.js

https://jazzbina.ba/en/home/ site uses pure **JavaScript** version of vegeo.js.