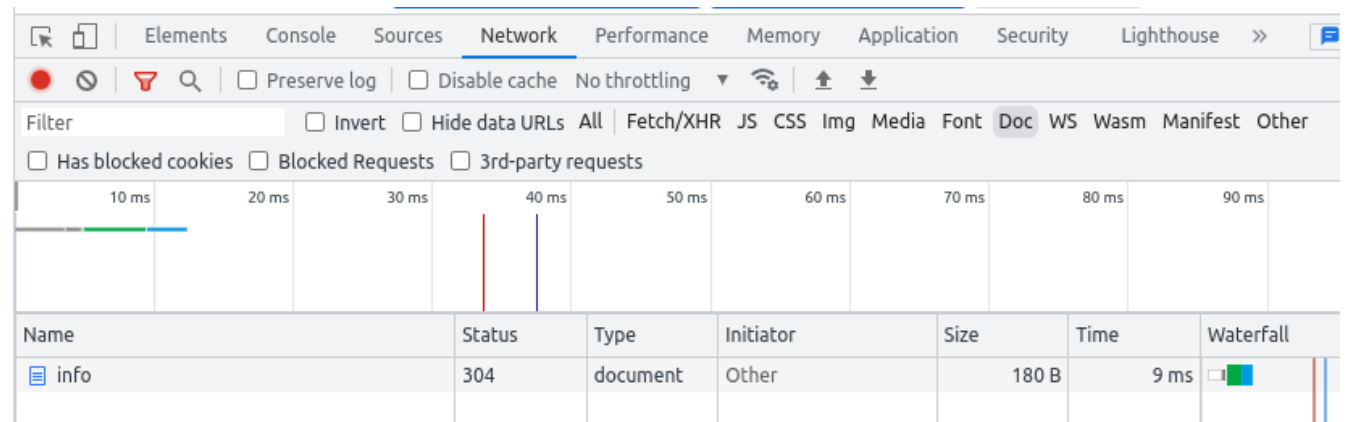
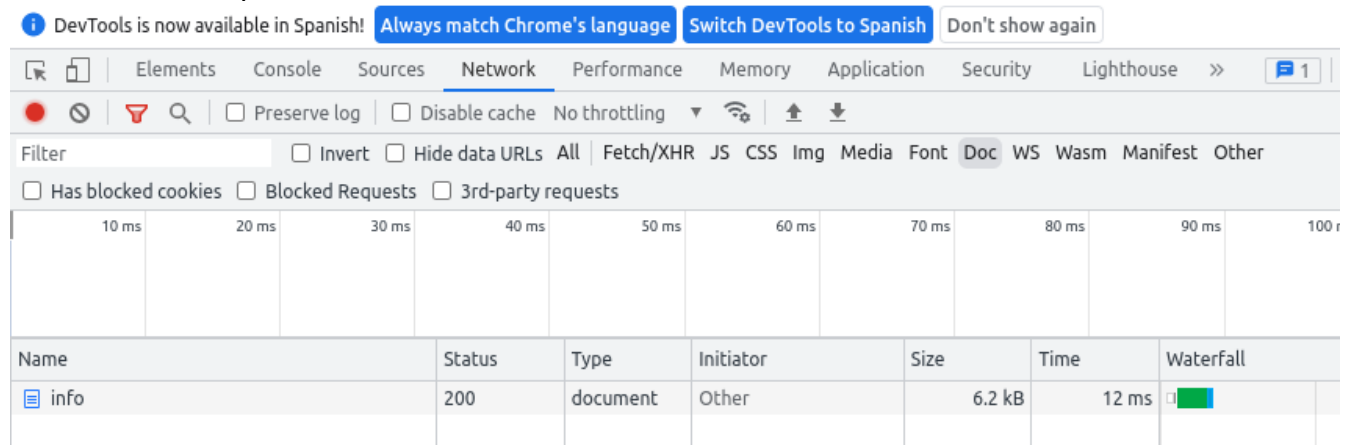


Usando GZIP

Ruta Info sin compresión:



Usando compresión bajó desde los 6.2 KB a los 180 B.

Test de carga 50 conexiones con 20 request por cada una

```
1 / 1 + [ ] [ ] Tilix: hernan@backend: ~  
1: hernan@backend: ~  
hernan@backend:~$ artillery quick --count 50 -n 20 http://localhost:8080  
(node:53641) NOTE: We are formalizing our plans to enter AWS SDK for JavaScript (v2) into r  
Please migrate your code to use AWS SDK for JavaScript (v3).  
For more information, check the migration guide at https://a.co/7PzMCcy  
(Use `node --trace-warnings ...` to show where the warning was created)  
Phase started: unnamed (index: 0, duration: 1s) 21:57:15(-0300)  
Phase completed: unnamed (index: 0, duration: 1s) 21:57:16(-0300)  
-----  
Metrics for period to: 21:57:20(-0300) (width: 0.98s)  
-----  
http.request_rate: ..... 50/sec  
http.requests: ..... 50  
vusers.created: ..... 50  
vusers.created_by_name.0: ..... 50  
Warning: multiple batches of metrics for period 1677113830000 2023-02-23T00:57:10.000Z  
-----  
Metrics for period to: 21:57:30(-0300) (width: 0.961s)  
-----  
errors.ETIMEDOUT: ..... 50  
vusers.failed: ..... 50  
Warning: multiple batches of metrics for period 1677113840000 2023-02-23T00:57:20.000Z  
All VUs finished. Total time: 11 seconds  
-----  
Summary report @ 21:57:27(-0300)  
-----  
errors.ETIMEDOUT: ..... 50  
http.request_rate: ..... 25/sec  
http.requests: ..... 50  
vusers.created: ..... 50  
vusers.created_by_name.0: ..... 50  
vusers.failed: ..... 50  
hernan@backend:~$
```

Uso de autocannon:

100 conexiones en 20 segundos:

```
1: hernan@backend: ~/backend/desafio16 ▼  
hernan@backend:~/backend/desafio16$ autocannon -c 100 -d 20 http://localhost:8080/info  
Running 20s test @ http://localhost:8080/info  
100 connections
```

Stat	2.5%	50%	97.5%	99%	Avg	Stdev	Max
Latency	17 ms	19 ms	27 ms	30 ms	20.26 ms	3.23 ms	56 ms

Stat	1%	2.5%	50%	97.5%	Avg	Stdev	Min
Req/Sec	4255	4255	4811	4999	4816.4	160.44	4253
Bytes/Sec	26.6 MB	26.6 MB	30.1 MB	31.3 MB	30.1 MB	1 MB	26.6 MB

Req/Bytes counts sampled once per second.
of samples: 20

96k requests in 20.03s, 603 MB read

```
hernan@backend:~/backend/desafio16$
```

El diagrama de flama con 0x, emulando la carga con Autocannon con los mismos parámetros anteriores

```
hernan@backend:~/backend/desafio16$ 0x -P 'autocannon -c 100 -d 20 http://localhost:8080/info' src/main.js
```

Comando para ejecutar x0 y autocanon desde la línea de comandos: Fuente

<https://morioh.com/p/d250a81c79e9>

0x -P 'autocannon -c 100 -d 20 http://localhost:8080/info' src/main.js

node src/main.js

cold hot
* optimized ~ unoptimized

Search functions



Podemos concluir que la librería socket.io es la que mas demanda a la aplicación.