

compression:
bytes devueltos sin compression: 179B
bytes desvueltos con compression: 708B

inspect

The image displays two screenshots of the DevTools Profiler, showing CPU performance profiles. The top screenshot shows the initial state with a list of functions and their execution times. The bottom screenshot shows the state after a filter is applied, highlighting specific functions like 'write' and 'setHeader'.

Top Screenshot: Initial State

Función	Tiempo individual	Tiempo total
(idle)	34368.3 ms	34368.3 ms
consoleCall	4288.0 ms	56.20 %
writeUtf8String	1488.0 ms	19.50 %
(garbage collector)	134.7 ms	1.77 %
(program)	134.4 ms	1.76 %
writev	122.6 ms	1.61 %
session	718.4 ms	9.42 %
initialize	5722.1 ms	75.00 %
hash	167.0 ms	2.19 %
Hash	67.5 ms	0.89 %
compression	5558.4 ms	72.86 %
(anónimo)	5484.7 ms	71.89 %
handle	30556.4 ms	400.51 %
writeHead	80.0 ms	1.05 %
getColorDepth	46.7 ms	0.61 %
next	19579.4 ms	256.63 %
send	919.3 ms	12.05 %
asString	48.2 ms	0.63 %
asyncTaskScheduled	41.4 ms	0.54 %
expressInit	299.6 ms	3.93 %
digest	37.4 ms	0.49 %
writeHead	345.8 ms	4.53 %
setWriteHeadHeaders	33.5 ms	0.44 %
Hash	98.8 ms	1.30 %
onHeaders	30.5 ms	0.40 %
_send	60.3 ms	0.79 %
parse	29.0 ms	0.38 %
_storeHeader	31.0 ms	0.41 %
Store.createSession	41.1 ms	0.54 %
set	25.8 ms	0.34 %
writeGeneric	167.8 ms	2.20 %
write_	91.0 ms	1.19 %

Bottom Screenshot: Filtered State

Función	Tiempo individual	Tiempo total
write_	91.0 ms	1.19 %
set	58.5 ms	0.77 %
log	1653.5 ms	21.67 %
end	133.8 ms	1.75 %
emit	1252.3 ms	16.41 %
end	380.1 ms	4.98 %
processTicksAndRejections	332.4 ms	4.36 %
getSession	22.6 ms	0.30 %
header	49.1 ms	0.64 %
pipe	131.1 ms	1.72 %
setHeader	31.3 ms	0.40 %
update	40.8 ms	0.54 %
resOnFinish	85.3 ms	1.12 %
originalUrl	20.0 ms	0.26 %
writeTop	142.4 ms	1.87 %
memoryUsage	18.7 ms	0.25 %
getHeader	18.7 ms	0.25 %
(anónimo)	24.1 ms	0.32 %
value	72.4 ms	0.95 %
update	18.1 ms	0.24 %
init	59.5 ms	0.78 %
hasBody	20.3 ms	0.27 %
jsonParser	246.3 ms	3.23 %
parserOnIncoming	440.0 ms	5.77 %
init	17.6 ms	0.23 %
LoggingEvent	17.8 ms	0.23 %
parserOnMessageComplete	43.9 ms	0.58 %
writeEnd	150.6 ms	1.97 %
Hmac	63.2 ms	0.83 %
parserOnHeadersComplete	482.8 ms	6.33 %
write	98.4 ms	1.29 %
(anónimo)	4376.2 ms	57.36 %

0x test

```
C:\Windows\system32\cmd.exe
[2023-03-19T17:19:55.235] [INFO] default - Ruta: /info, metodo: GET
[2023-03-19T17:19:55.236] [INFO] default - Ruta: /info, metodo: GET
[2023-03-19T17:19:55.237] [INFO] default - Ruta: /info, metodo: GET
[2023-03-19T17:19:55.237] [INFO] default - Ruta: /info, metodo: GET
[2023-03-19T17:19:55.238] [INFO] default - Ruta: /info, metodo: GET
[2023-03-19T17:19:55.245] [INFO] default - Ruta: /info, metodo: GET
Running 20s test @ http://localhost:8081/info
100 connections



| Stat    | 2.5%   | 50%    | 97.5%  | 99%    | Avg       | Stdev    | Max    |
|---------|--------|--------|--------|--------|-----------|----------|--------|
| Latency | 126 ms | 191 ms | 310 ms | 638 ms | 202.89 ms | 61.48 ms | 907 ms |



| Stat      | 1%     | 2.5%   | 50%    | 97.5%  | Avg    | Stdev   | Min    |
|-----------|--------|--------|--------|--------|--------|---------|--------|
| Req/Sec   | 196    | 196    | 530    | 700    | 520.79 | 117.3   | 196    |
| Bytes/Sec | 144 kB | 144 kB | 390 kB | 514 kB | 383 kB | 86.2 kB | 144 kB |



Req/Bytes counts sampled once per second.
# of samples: 19

10k requests in 20.41s, 7.27 MB read
[2023-03-19T17:19:55.425] [INFO] default - Ruta: /info, metodo: GET
[2023-03-19T17:19:55.426] [INFO] default - Ruta: /info, metodo: GET
```

Autocannon test

```
C:\Windows\system32\cmd.exe - node --prof main.js
[2023-03-19T17:09:57.921] [INFO] default - Ruta: /info, metodo: GET
[2023-03-19T17:09:57.925] [INFO] default - Ruta: /info, metodo: GET
[2023-03-19T17:09:57.928] [INFO] default - Ruta: /info, metodo: GET
[2023-03-19T17:09:57.930] [INFO] default - Ruta: /info, metodo: GET
[2023-03-19T17:09:57.932] [INFO] default - Ruta: /info, metodo: GET
Running 20s test @ http://localhost:8081/info
100 connections



| Stat    | 2.5%   | 50%    | 97.5%    | 99%      | Avg        | Stdev      | Max      |
|---------|--------|--------|----------|----------|------------|------------|----------|
| Latency | 330 ms | 464 ms | 49782 ms | 49798 ms | 1834.85 ms | 8023.19 ms | 49801 ms |



| Stat      | 1%      | 2.5%    | 50%    | 97.5%  | Avg    | Stdev   | Min     |
|-----------|---------|---------|--------|--------|--------|---------|---------|
| Req/Sec   | 99      | 99      | 273    | 300    | 242.47 | 68.26   | 99      |
| Bytes/Sec | 72.6 kB | 72.6 kB | 200 kB | 221 kB | 178 kB | 50.2 kB | 72.6 kB |



Req/Bytes counts sampled once per second.
# of samples: 15

4k requests in 67.52s, 2.67 MB read
1 errors (1 timeouts)
[2023-03-19T17:09:58.305] [INFO] default - Ruta: /info, metodo: GET
[2023-03-19T17:09:58.307] [INFO] default - Ruta: /info, metodo: GET
[2023-03-19T17:09:58.310] [INFO] default - Ruta: /info, metodo: GET
```

Como conclusión se logra denotar una mejora en el rendimiento de respuesta mediante la utilización de loggers, y eliminando las funciones de console.log().