

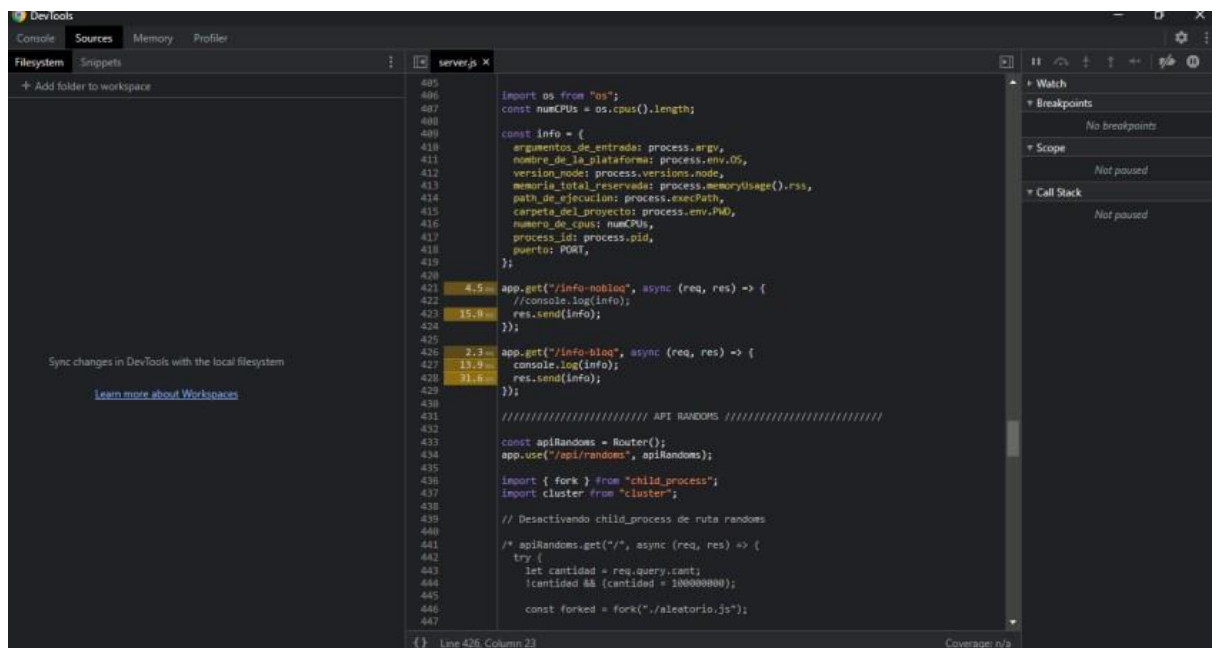
- 1) El perfilamiento del servidor, realizando el test con --prof de node.js. Analizar los resultados obtenidos luego de procesarlos con --prof-process.

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desafio14 > result_prof-noblog.txt
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desafio14 > result_noblog.txt
1 Phase started: unnamed (index: 0, duration: 1s) 10:32:00(-0300)
2
3 Phase completed: unnamed (index: 0, duration: 1s) 10:32:01(-0300)
4
5 -----
6 Metrics for period to: 10:32:10(-0300) (width: 0.981s)
7 -----
8
9 errors.ECONNREFUSED: ..... 50
10 http.request_rate: ..... 50/sec
11 http.requests: ..... 50
12 vusers.created: ..... 50
13 vusers.created_by_name.0: ..... 50
14 vusers.failed: ..... 50
15
16
17 Warning: multiple batches of metrics for period 1671543120000 2022-12-20T13:32:00.000Z
18 All VUs finished. Total time: 3 seconds
19
20 -----
21 Summary report @ 10:32:03(-0300)
22 -----
23
24 errors.ECONNREFUSED: ..... 50
25 http.request_rate: ..... 50/sec
26 http.requests: ..... 50
27 vusers.created: ..... 50
28 vusers.created_by_name.0: ..... 50
29 vusers.failed: ..... 50
30

JS apiRandoms.js U X JS server.js U JS benchmark.js U result_blog.txt U X () package.json U
desafio14 > result_blog.txt
1 Phase started: unnamed (index: 0, duration: 1s) 10:30:06(-0300)
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3 Phase completed: unnamed (index: 0, duration: 1s) 10:30:07(-0300)
4
5 -----
6 Metrics for period to: 10:30:10(-0300) (width: 0.981s)
7 -----
8
9 errors.ECONNREFUSED: ..... 50
10 http.request_rate: ..... 50/sec
11 http.requests: ..... 50
12 vusers.created: ..... 50
13 vusers.created_by_name.0: ..... 50
14 vusers.failed: ..... 50
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16
17 Warning: multiple batches of metrics for period 1671543000000 2022-12-20T13:30:00.000Z
18 All VUs finished. Total time: 2 seconds
19
20 -----
21 Summary report @ 10:30:09(-0300)
22 -----
23
24 errors.ECONNREFUSED: ..... 50
25 http.request_rate: ..... 50/sec
26 http.requests: ..... 50
27 vusers.created: ..... 50
28 vusers.created_by_name.0: ..... 50
29 vusers.failed: ..... 50
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```

- 2) El perfilamiento del servidor con el modo inspector de node.js --inspect. Revisar el tiempo de los procesos menos performantes sobre el archivo fuente de inspección



2k requests in 20.22s, 1.02 MB read  
Running 20s test @ http://localhost:8080/info-blog  
100 connections

Stat	2.5%	50%	97.5%	99%	Avg	Stdev	Max
Latency	1101 ms	1430 ms	1583 ms	1621 ms	1432.20 ms	100.28 ms	1637 ms

Stat	1%	2.5%	50%	97.5%	Avg	Stdev	Min
Req/Sec	31	31	65	99	67.5	17.3	31
Bytes/Sec	22.6 kB	22.6 kB	47.5 kB	72.3 kB	49.3 kB	12.6 kB	22.6 kB

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

1k requests in 20.33s, 986 kB read

Running all benchmarks in parallel ...  
Running 20s test @ http://localhost:8080/info-noblog  
100 connections

Stat	2.5%	50%	97.5%	99%	Avg	Stdev	Max
Latency	506 ms	1434 ms	1574 ms	1579 ms	1307.43 ms	230.50 ms	1600 ms

Stat	1%	2.5%	50%	97.5%	Avg	Stdev	Min
Req/Sec	32	32	54	100	70	25.22	32
Bytes/Sec	23.4 kB	23.4 kB	39.4 kB	73 kB	51.1 kB	18.4 kB	23.4 kB

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

2k requests in 20.22s, 1.02 MB read  
Running 20s test @ http://localhost:8080/info-blog  
100 connections

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

node server.js



4) Conclusión: En todas las pruebas realizadas se confirma que los procesos bloqueantes son menos eficientes y veloces que los procesos no bloqueantes