Análisis completo de performance

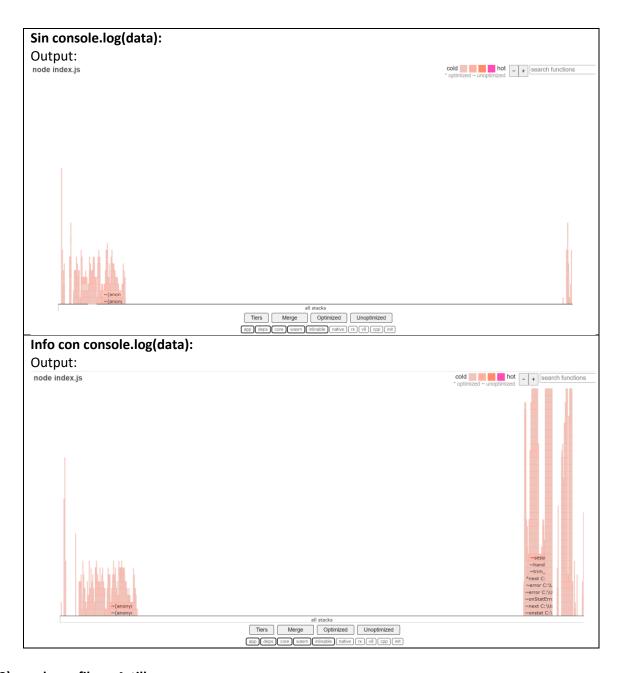
1) Artillery:

artillery quick \--count 50 \--num 20 \http://localhost:8080/info \--output info.txt

```
Info con console.log(data):
Sin console.log(data):
                                                                                                                   try{
    const data = {
        angumentosDefintrada: process.argv.slice(2),
        nombreDeLaPlataforma: process.platform,
        colonDefide: process.version,
        colonDefide: process.version,
                                                                                                                                try{
    const data = {
                                                                                                                                        argumentosDeEntrada: process.argv.slice(2),
nombreDeLaPlataforma: process.platform,
versionDeNode: process.version,
memoriaTotalReservada: process.memoryUsage(),
                      nomorbete.arlatarionms: process.platronm,
versionDeblode: process.version,
memorialotalReservada: process.memoryUsage(),
pathletjecucion: process.execRath,
processId: process.pid,
carpetalDelProyecto: process.cwd(),
cantidadDeProcesadores: cpu.length
                                                                                                                                        pathDeEjecucion: process.execPath,
processId: process.pid,
carpetaDelProyecto: process.cwd(),
cantidadDeProcesadores: cpu.length
 console.log(data)
             // console.log(data)
res.send(data)
} catch(err) {
res.status(404).send(err)
                                                                                                                                res.send(data)
} catch(err) {
res.status(404).send(err)
Output:
                                                                                                                 Output:
                                                                                                                            {
| "aggregate": {
| cs":
              "aggregate": {
                 "counters": {
                                                                                                                                   "counters": {
                    "vusers.created_by_name.0": 50,
                                                                                                                                      "http.requests": 1000,
                   "vusers.created": 50,
                                                                                                                                     "http.codes.200": 1000,
                   "http.requests": 1000,
                                                                                                                                     "http.responses": 1000,
                   "http.codes.200": 1000,
                                                                                                                                     "vusers.failed": 0,
"vusers.completed": 50,
                                                                                                                                     "vusers.created_by_name.0": 50,
"vusers.created": 50
                    "vusers.completed": 50
                 },
"rates": {
                                                                                                                                  },
"rates": {
                    "http.request_rate": 381
                                                                                                                                     "http.request_rate": 259
                                                                                                                                  },|
"firstCounterAt": 1672183587444,
                 "firstCounterAt": 1672184643623,
                "firstHistogramAt": 1672184643642, 
"lastCounterAt": 1672184646287,
                                                                                                                                  "firstHistogramAt": 1672183587468,
                                                                                                                                  "lastCounterAt": 1672183590662,
                 "lastHistogramAt": 1672184646287,
                                                                                                                                  "lastHistogramAt": 1672183590662,
                "firstMetricAt": 1672184643623,
"lastMetricAt": 1672184646287,
                                                                                                                                  "firstMetricAt": 1672183587444,
"lastMetricAt": 1672183590662,
                 "period": 1672184640000,
                                                                                                                                  "period": 1672183590000,
                 "summaries": {
                                                                                                                                  "summaries": {
                    "http.response_time": {
                                                                                                                                      "http.response_time": {
                      "min": 1,
"max": 246,
                                                                                                                                        "max": 236,
"count": 1000,
                      "count": 1000,
                      "p50": 80.6,
                                                                                                                                        "p50": 111.1,
                      "median": 80.6,
                                                                                                                                        "median": 111.1,
                      "p75": 106.7,
                       "p90": 127.8,
                                                                                                                                        "p90": 172.5,
                       "p95": 144,
"p99": 159.2,
                                                                                                                                        "p95": 183.1,
"p99": 190.6,
                        "p999": 223.7
                                                                                                                                         "p999": 232.8
```

2) 0x + Artillery

- **a.** Ux -o index.js
- **b.** artillery quick \--count 50 \--num 20 \http://localhost:8080/info
- c. matamos el servidor



3) node profiler + Artillery

- a. node --prof index.js
- **b.** artillery quick \--count 50 \--num 20 \http://localhost:8080/info
- **c.** renombrar el file generado a "profiler.log"
- **d.** node --prof-process profiler.log > result_profiler.txt

```
Sin console.log(data):
Output:
                      [Shared libraries]:
                  [JavaScript]:
ticks total nonlib name
2 0.1% 40.0% LazyCompile: *resolve node:path:158:10
1 0.1% 20.0% LazyCompile: *next C:\Users\leand\Desktop\Proyectos_program\backend32105_glitch\node_modules\express\lib\router\index.js:177:16
1 0.1% 20.0% Function: \handle C:\Users\leand\Desktop\Proyectos_program\backend32105_glitch\node_modules\express\lib\application.js:165:29
1 0.1% 20.0% Function: \handle C:\Users\leand\Desktop\Proyectos_program\backend32105_glitch\node_modules\express\lib\application.js:165:29
                  [Summary]:
ticks total nonlib name
5 0.3% 100.0% JavaScript
0 0.0% 0.0% C++
14 0.6% 280.0% GC
1791 99.7% Shared libraries
                   [C++ entry points]:
                  [Bottom up (heavy) profile]:
Note: percentage shows a share of a particular caller in the total
amount of its parent calls.
Callers occupying less than 1.0% are not shown.
                       ticks parent name
1598 89.0% C:\WINDOWS\SYSTEM32\ntdll.dll
                       192 10.7% C:\Program Files\nodejs\node.exe
Info con console.log(data):
Output:
                Statistical profiling result from profiler_consolelog.log, (1077 ticks, 0 unaccounted, 0 excluded).
                        ticks total nonlib name
                         815 75.7% C:\WINDOWS\$YSTEM32\ntd11.dl1
252 23.4% C:\Program Files\nodejs\node.exe
1 0.1% C:\WINDOWS\$ystem32\KERNELBASE.dl1
                           1 0.1% 11.1% LazyCompile: *toNamespacedPath node:path:618:19
1 0.1% 11.1% LazyCompile: *resolve node:path:158:10
1 0.1% 11.1% LazyCompile: *nextPart node:fs:2384:31
1 0.1% 11.1% LazyCompile: *emit node:events:340:44
                                 | 8.1% | 11.1% | Lary.Compile: *emat node:events:349:44
| 8.1% | 11.1% | Function: ^secondaryOk C:\Users\leand\Desktop\Proyectos_program\backend32105_glitch\node_modules\mongodb\lib\read_preference.js:164:16
| 8.1% | 11.1% | Function: ^originalurl C:\Users\leand\Desktop\Proyectos_program\backend32105_glitch\node_modules\parseurl\index.js:65:22
| 8.1% | Function: ^originalurl C:\Users\leand\Desktop\Proyectos_program\backend32105_glitch\node_modules\parseurl\index.js:65:22
| 8.1% | Function: ^ansiveNoduleRequire node:internal/bootstrap/loaders:332:29
| 8.1% | Function: ^asString C:\Users\leand\Desktop\Proyectos_program\backend32105_glitch\node_modules\date-format\lib\index.js:29:18
                   [Summary]:
ticks total nonlib name
9 0.8% 100.0% JavaScript
0 0.0% 0.0% C++
9 0.8% 100.0% GC
1068 99.2% Shared libit
```

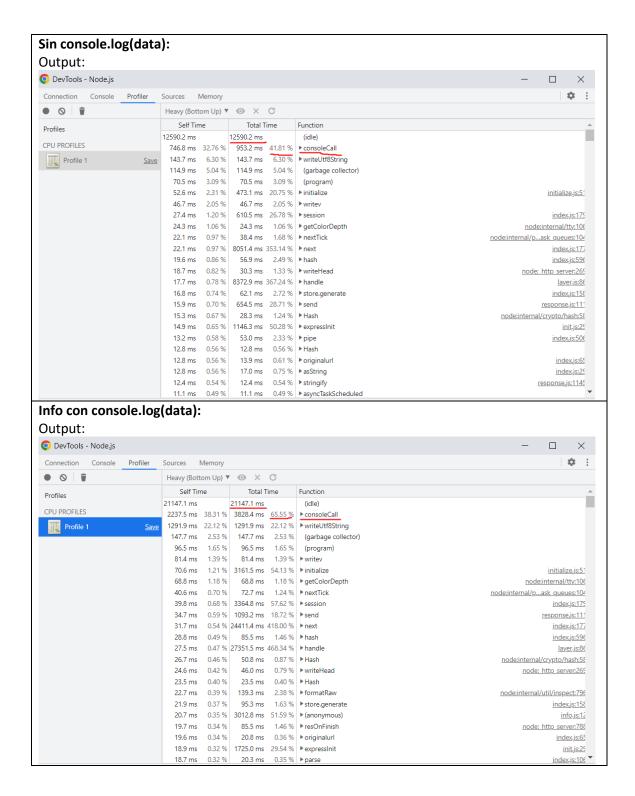
4) Inspector del explorador chromium:

[C++ entry points]: ticks cpp total name

a. node --inspect index.js

[Bottom up (heavy) profile]: Note: percentage shows a share of a particular caller in the total amount of its parent calls.

- **b.** chrome://inspect
- **c.** profiler / start
- d. artillery quick \--count 50 \--num 20 \http://localhost:8080/info
- e. stop



Conclusión: El tiempo de respuesta suele ser menor en el caso sin console.log, pero también existe una varianza significativa entre 2 tests corridos bajo las mismas condiciones.