

GZIP----Compress

Modo Fork

```
Servidor ejecutando en Modo FORK http://localhost:8081-PID:8336-Hora:30/7/2022 18:34:45
GET /info 200 3.450 ms - 626
GET /infozip 200 1.686 ms - 626
```

Ruta info

Chrome DevTools Performance tab showing the 'info' route. The console shows a GET request to /info with a 200 status and 3.450 ms response time. The network tab shows a single request to /info with a 200 status and 3.450 ms response time.

Nombre	Ruta	Método	Estado	Tipo	Iniciador	Tamaño	Hora	Cascada
info	/info	GET	200	document	Otros	863 B	2.02 s	

Ruta infozip

Chrome DevTools Performance tab showing the 'infozip' route. The console shows a GET request to /infozip with a 200 status and 1.686 ms response time. The network tab shows a single request to /infozip with a 200 status and 1.686 ms response time.

Nombre	Ruta	Método	Estado	Tipo	Iniciador	Tamaño	Hora	Cascada
infozip	/infozip	GET	200	document	Otros	886 B	2.02 s	

Modo Cluster

```
[nodemon] starting `node server.js 8081 CLUSTER`
Master 4852 se está ejecutando
Servidor ejecutando en Modo CLUSTER http://localhost:8081-PID:11204-Hora:30/7/2022 18:41:35
Servidor ejecutando en Modo CLUSTER http://localhost:8081-PID:3464-Hora:30/7/2022 18:41:35
Servidor ejecutando en Modo CLUSTER http://localhost:8081-PID:11080-Hora:30/7/2022 18:41:35
Servidor ejecutando en Modo CLUSTER http://localhost:8081-PID:7012-Hora:30/7/2022 18:41:35
Servidor ejecutando en Modo CLUSTER http://localhost:8081-PID:12376-Hora:30/7/2022 18:41:35
Servidor ejecutando en Modo CLUSTER http://localhost:8081-PID:4596-Hora:30/7/2022 18:41:35
Servidor ejecutando en Modo CLUSTER http://localhost:8081-PID:9120-Hora:30/7/2022 18:41:35
Servidor ejecutando en Modo CLUSTER http://localhost:8081-PID:5572-Hora:30/7/2022 18:41:35
GET /info 200 3.800 ms - 629
GET /infozip 200 1.532 ms - 629
```

Ruta info

Performance insights for the 'info' route:

Nombre	Ruta	Método	Estado	Tipo	Iniciador	Tamaño	Hora	Cascada
info	/info	GET	200	document	Otros	866 B	2.02 s	

Ruta infozip

Performance insights for the 'infozip' route:

Nombre	Ruta	Método	Estado	Tipo	Iniciador	Tamaño	Hora	Cascada
infozip	/infozip	GET	200	document	Otros	889 B	2.02 s	

Artillery

artillery quick --count 50 --num 20 --output art-sinConLog.txt http:localhost:8081/info

artillery quick --count 50 --num 20 --output art-conConLog.txt http:localhost:8081/info

sin console.log	con console.log
<pre>{ "aggregate": { "counters": { "vusers.created_by_name.0": 50, "vusers.created": 50, "http.requests": 1000, "http.codes.200": 1000, "http.responses": 1000, "vusers.failed": 0, "vusers.completed": 50 }, "rates": { "http.request_rate": 353 }, "firstCounterAt": 1659297641846, "firstHistogramAt": 1659297641910, "lastCounterAt": 1659297643294, "lastHistogramAt": 1659297643294, "firstMetricAt": 1659297641846, "lastMetricAt": 1659297643294, "period": 1659297640000, "summaries": { "http.response_time": { "min": 1, "max": 100, "count": 1000, "p50": 25.8, "median": 25.8, "p75": 30.9, "p90": 36.2, "p95": 44.3, "p99": 82.3, "p999": 98.5 }, "vusers.session_length": { "min": 248.5, "max": 701.9, "count": 50, "p50": 572.6, "median": 572.6, "p75": 658.6, "p90": 685.5, "p95": 685.5, "p99": 699.4, "p999": 699.4 } }, "histograms": {</pre>	<pre>{ "aggregate": { "counters": { "vusers.created_by_name.0": 50, "vusers.created": 50, "http.requests": 1000, "http.codes.200": 1000, "http.responses": 1000, "vusers.failed": 0, "vusers.completed": 50 }, "rates": { "http.request_rate": 117 }, "firstCounterAt": 1659297752599, "firstHistogramAt": 1659297752657, "lastCounterAt": 1659297756924, "lastHistogramAt": 1659297756924, "firstMetricAt": 1659297752599, "lastMetricAt": 1659297756924, "period": 1659297750000, "summaries": { "http.response_time": { "min": 9, "max": 369, "count": 1000, "p50": 179.5, "median": 179.5, "p75": 202.4, "p90": 206.5, "p95": 210.6, "p99": 223.7, "p999": 320.6 }, "vusers.session_length": { "min": 2063.1, "max": 3600.7, "count": 50, "p50": 3464.1, "median": 3464.1, "p75": 3534.1, "p90": 3534.1, "p95": 3605.5, "p99": 3605.5, "p999": 3605.5 } }, "histograms": {</pre>

<pre> "http.response_time": { "min": 1, "max": 100, "count": 1000, "p50": 25.8, "median": 25.8, "p75": 30.9, "p90": 36.2, "p95": 44.3, "p99": 82.3, "p999": 98.5 }, "vusers.session_length": { "min": 248.5, "max": 701.9, "count": 50, "p50": 572.6, "median": 572.6, "p75": 658.6, "p90": 685.5, "p95": 685.5, "p99": 699.4, "p999": 699.4 } }, "intermediate": [] } </pre>	<pre> "http.response_time": { "min": 9, "max": 369, "count": 1000, "p50": 179.5, "median": 179.5, "p75": 202.4, "p90": 206.5, "p95": 210.6, "p99": 223.7, "p999": 320.6 }, "vusers.session_length": { "min": 2063.1, "max": 3600.7, "count": 50, "p50": 3464.1, "median": 3464.1, "p75": 3534.1, "p90": 3534.1, "p95": 3605.5, "p99": 3605.5, "p999": 3605.5 } }, "intermediate": [] } </pre>
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node --prof y node --prof-process

sin console.log	con console.log
Statistical profiling result from sinConsoleLog-v8.log, (18086 ticks, 1 unaccounted, 0 excluded).	Statistical profiling result from conConsoleLog-v8.log, (15292 ticks, 1 unaccounted, 0 excluded).
[Shared libraries]:	[Shared libraries]:
ticks total nonlib name	ticks total nonlib name
17413 96.3%	13789 90.2% C:\Windows\SYSTEM32\ntdll.dll
C:\Windows\SYSTEM32\ntdll.dll	1478 9.7% C:\Program Files\nodejs\node.exe
662 3.7% C:\Program	6 0.0% C:\Windows\system32\KERNELBASE.dll
Files\nodejs\node.exe	1 0.0% C:\Windows\system32\mswsock.dll
4 0.0%	1 0.0% C:\Windows\system32\KERNEL32.DLL
C:\Windows\system32\KERNELBASE.dll	
[JavaScript]:	[JavaScript]:
ticks total nonlib name	ticks total nonlib name
2 0.0% 28.6% LazyCompile:	2 0.0% 11.8% RegExp: ^[\^_`a-zA-Z]\-0-9!#\$%&'*+.\ ~]+\$
*resolve path.js:153:10	2 0.0% 11.8% LazyCompile: *next
1 0.0% 14.3% RegExp: y{1,4}	E:\Publico\2020_Git\2021CursoCoderHouse\2022BackEndCoderHouse\BackEndDesafios\10\10-10-2021\10-10-2021-1

```
1 0.0% 14.3% LazyCompile:
*processTicksAndRejections
internal/process/task_queues.js:67:35
1 0.0% 14.3% LazyCompile:
*_addListener events.js:428:22

[C++]:
ticks total nonlib name

[Summary]:
ticks total nonlib name
6 0.0% 85.7% JavaScript
0 0.0% 0.0% C++
30 0.2% 428.6% GC
18079 100.0% Shared libraries
1 0.0% Unaccounted

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

[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
17413 96.3%
C:\Windows\SYSTEM32\ntdll.dll
```

```
1 0.0% 5.9% LazyCompile: *strEscape internal/util/inspect.js:444:19
1 0.0% 5.9% LazyCompile: *removeListener events.js:567:28
1 0.0% 5.9% LazyCompile: *formatWithOptionsInternal internal/util/inspect.js:
1 0.0% 5.9% LazyCompile: *formatValue internal/util/inspect.js:706:21
1 0.0% 5.9% LazyCompile: *emit events.js:349:44

[C++]:
ticks total nonlib name

[Summary]:
ticks total nonlib name
16 0.1% 94.1% JavaScript
0 0.0% 0.0% C++
21 0.1% 123.5% GC
15275 99.9% Shared libraries
1 0.0% Unaccounted

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

[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
13789 90.2% C:\Windows\SYSTEM32\ntdll.dll
```

Autocannon

autocannon -d 20 -c 100 "http://localhost:8081/info"

sin console.log

```
E:\Publico\2020_Git\2021CursoCoderHouse\2022BackEndCoderHouse\BackEndDesafioN32JoaquinZuin>autocannon -d 20 -c 100 "http://localhost:8081/info"
Running 20s test @ http://localhost:8081/info
100 connections
```

Stat	2.5%	50%	97.5%	99%	Avg	Stdev	Max
Latency	82 ms	103 ms	122 ms	128 ms	103.36 ms	10.88 ms	143 ms

Stat	1%	2.5%	50%	97.5%	Avg	Stdev	Min
Req/Sec	805	805	975	1027	960.85	52.17	805
Bytes/Sec	697 kB	697 kB	844 kB	889 kB	831 kB	45.1 kB	696 kB

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

19k requests in 20.05s, 16.6 MB read

con console.log

```
E:\Publico\2020_Git\2021CursoCoderHouse\2022BackEndCoderHouse\BackEndDesafioN32JoaquinZuin>autocannon -d 20 -c 100 "http://localhost:8081/info"
Running 20s test @ http://localhost:8081/info
100 connections
```

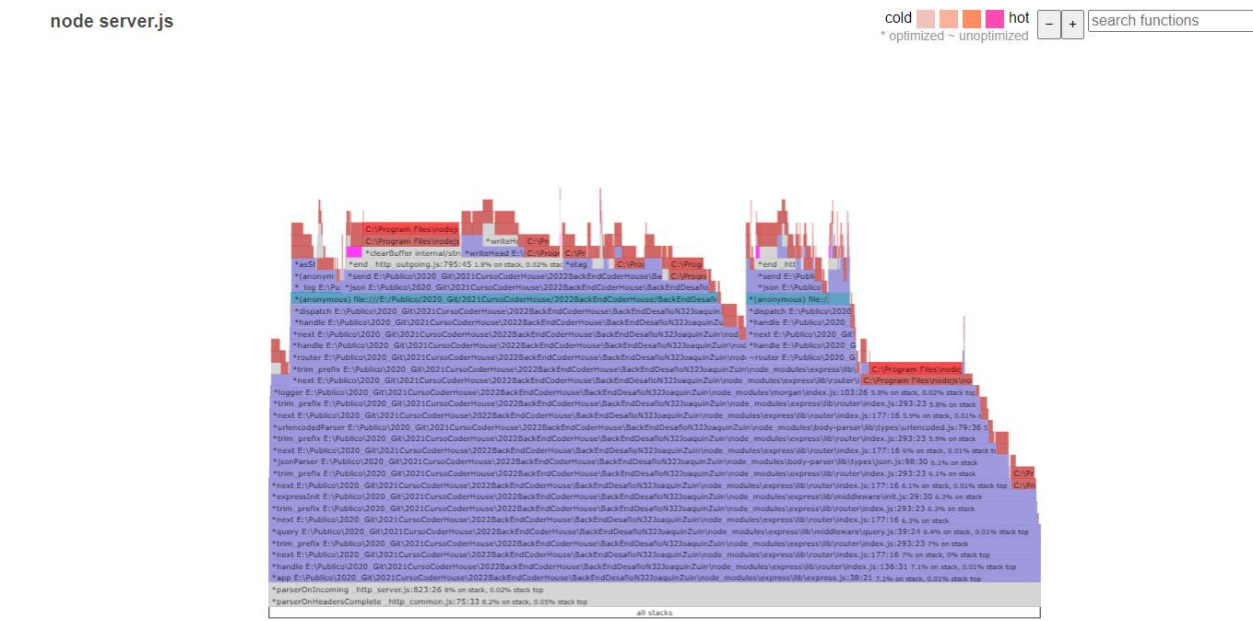
Stat	2.5%	50%	97.5%	99%	Avg	Stdev	Max
Latency	332 ms	474 ms	523 ms	537 ms	466.22 ms	52.26 ms	558 ms

Stat	1%	2.5%	50%	97.5%	Avg	Stdev	Min
Req/Sec	187	187	211	231	211.95	8.79	187
Bytes/Sec	162 kB	162 kB	182 kB	200 kB	183 kB	7.59 kB	162 kB

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

4k requests in 20.06s, 3.66 MB read

sin console.log



con console.log

