

Se hicieron pruebas benchmark en modo fork y cluster en <http://localhost:8080/infoProcess>:

Estos fueron los resultados:

- Usando este comando: `node server.js --mode=cluster`

Terminal

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43k requests in 20.03s, 41 MB read

`javier` `master U:4 ?:3` `~/Documentos/Projects/backendExpress/logger` `npm run test`

`> websocketapp@1.0.0 test`

`> node benchmark.js`

Runnig all benchmarks in parallel ...

Running 20s test @ `http://localhost:8080/infoProcess`

100 connections

Stat	2.5%	50%	97.5%	99%	Avg	Stdev	Max
Latency	5 ms	13 ms	34 ms	41 ms	14.53 ms	7.75 ms	130 ms

Stat	1%	2.5%	50%	97.5%	Avg	Stdev	Min
Req/Sec	3919	3919	7255	7683	6656.25	1143.98	3919
Bytes/Sec	3.83 MB	3.83 MB	7.09 MB	7.51 MB	6.5 MB	1.12 MB	3.83 MB

Req/Bytes counts sampled once per second.

of samples: 20

133k requests in 20.04s, 130 MB read

`javier` `master U:4 ?:3` `~/Documentos/Projects/backendExpress/logger`

Profiles	Self Time	Total Time	Function
CPU PROFILES	31783.9 ms	31783.9 ms	(idle)
Profile 3	6.4 ms 21.56 %	6.4 ms 21.56 %	(program)
Profile 4	0.0 ms 0.00 %	0.4 ms 1.20 %	► Connection
	0.2 ms 0.60 %	0.4 ms 1.20 %	► Duplex
	0.2 ms 0.60 %	0.2 ms 0.60 %	► Long
	0.0 ms 0.00 %	0.2 ms 0.60 %	► Long.add
	0.0 ms 0.00 %	0.2 ms 0.60 %	► Long.comp
	0.0 ms 0.00 %	0.4 ms 1.20 %	► Long.compare
	0.2 ms 0.60 %	0.2 ms 0.60 %	► Long.equals
	0.0 ms 0.00 %	0.2 ms 0.60 %	► Long.fromBits
	0.2 ms 0.60 %	0.2 ms 0.60 %	► Long.fromNumber
	0.0 ms 0.00 %	0.2 ms 0.60 %	► Long.lessThanOrEqual
	0.0 ms 0.00 %	0.2 ms 0.60 %	► Long.sub
	0.0 ms 0.00 %	0.2 ms 0.60 %	► Long.subtract
	0.0 ms 0.00 %	0.2 ms 0.60 %	► MessageStream
	0.2 ms 0.60 %	0.2 ms 0.60 %	► Objectid.equals
	0.2 ms 0.60 %	0.2 ms 0.60 %	► Readable.pipe
	0.0 ms 0.00 %	4.5 ms 14.97 %	► Readable.push
	0.0 ms 0.00 %	0.2 ms 0.60 %	► RoundRobinHandle.distribute
	0.0 ms 0.00 %	2.1 ms 7.19 %	► RoundRobinHandle.handoff
	0.0 ms 0.00 %	0.2 ms 0.60 %	► Socket
	0.0 ms 0.00 %	0.2 ms 0.60 %	► Socket._write
	0.0 ms 0.00 %	0.2 ms 0.60 %	► Socket._writeGeneric
	0.0 ms 0.00 %	0.4 ms 1.20 %	► Socket.connect
	0.2 ms 0.60 %	0.2 ms 0.60 %	► TopologyDescription
	0.0 ms 0.00 %	0.2 ms 0.60 %	► Writable
	0.0 ms 0.00 %	4.3 ms 14.37 %	► Writable.write
	0.0 ms 0.00 %	0.2 ms 0.60 %	► WritableState
	0.2 ms 0.60 %	0.2 ms 0.60 %	► _copy
	0.0 ms 0.00 %	4.1 ms 13.77 %	► _write
	0.0 ms 0.00 %	4.3 ms 14.37 %	► _write
	0.2 ms 0.60 %	4.5 ms 14.97 %	► addChunk
			connection.js:37
			node:internal/s...eams/duplex:52
			long.js:59
			long.js:252
			long.js:311
			long.js:291
			long.js:428
			long.js:89
			long.js:131
			long.js:517
			long.js:726
			long.js:720
			message_stream.js:21
			objectid.js:179
			node:internal/s...s/readable:654
			node:internal/s...s/readable:227
			node:internal/c...bin_handle:95
			node:internal/c...bin_handle:107
			node:net:283
			node:net:806
			node:net:769
			node:net:937
			topology_description.js:29
			node:internal/s...s/writable:219
			node:internal/s...s/writable:333
			node:internal/s...ms/writable:77
			node:buffer:200
			message_stream.js:31
			node:internal/s...s/writable:283
			node:internal/s...s/readable:304

- Usando solo : node server.js

Terminal

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javier master U:4 ??:3 ~/Documentos/Projects/backendExpress/logger npm run test

> websocketapp@1.0.0 test

> node benchmark.js

Runnig all benchmarks in parallel ...

Running 20s test @ http://localhost:8080/infoProcess

100 connections

Stat	2.5%	50%	97.5%	99%	Avg	Stdev	Max
Latency	39 ms	44 ms	70 ms	77 ms	46.47 ms	8.32 ms	140 ms

Stat	1%	2.5%	50%	97.5%	Avg	Stdev	Min
Req/Sec	1374	1374	2185	2375	2128.2	251.85	1374
Bytes/Sec	1.32 MB	1.32 MB	2.1 MB	2.29 MB	2.05 MB	242 kB	1.32 MB

Req/Bytes counts sampled once per second.

of samples: 20

43k requests in 20.03s, 41 MB read

javier master U:4 ??:3 ~/Documentos/Projects/backendExpress/logger

Profiles	Self Time	Total Time	Function
CPU PROFILES	4036.7 ms	4036.7 ms	(idle)
Profile 3	548.7 ms	548.7 ms	(program)
Profile 4	4.8 ms	4.8 ms	Contentype
	39.0 ms	75.3 ms	Cookie
	4.6 ms	8.5 ms	DD
	2.8 ms	1335.8 ms	DerivedLogger.<computed>
	0.0 ms	20.6 ms	EventEmitter
	20.6 ms	20.6 ms	EventEmitter.init
	47.6 ms	76.3 ms	FSReqCallback
	82.0 ms	82.0 ms	FastBuffer
	1.2 ms	2.5 ms	HH
	217.0 ms	217.0 ms	Hash
	91.9 ms	308.9 ms	Hash
	0.6 ms	39.9 ms	Immediate
	0.3 ms	24.0 ms	IncomingMessage
	0.2 ms	0.2 ms	Long
	0.0 ms	0.2 ms	Long.comp
	0.0 ms	0.2 ms	Long.compare
	0.0 ms	0.2 ms	Long.fromBits
	0.0 ms	0.2 ms	Long.lessThanOrEqual
	0.0 ms	0.2 ms	Long.neg
	0.0 ms	0.2 ms	Long.negate
	0.0 ms	0.2 ms	Long.not
	0.0 ms	0.2 ms	Long.sub
	0.0 ms	0.2 ms	Long.subtract
	43.2 ms	43.2 ms	MMM
	20.0 ms	20.0 ms	Mime.lookup
	3.9 ms	9.0 ms	OutgoingMessage
	83.1 ms	112.1 ms	RandomBytesJob
	8.0 ms	23.7 ms	Readable
	10.8 ms	36.0 ms	Readable.on
	17.2 ms	604.7 ms	Readable.push
	1.9 ms	64.3 ms	Readable.push

index.js:219

cookie.js:25

fecha.umd.js:98

create-logger.js:71

node:events:207

node:events:324

node:internal/buffer:958

fecha.umd.js:125

node:internal/crypto/hash:58

node:internal/timers:602

node:http_incoming:51

long.js:59

long.js:311

long.js:291

long.js:89

long.js:517

long.js:619

long.js:613

long.js:623

long.js:726

long.js:720

fecha.umd.js:112

nime.js:69

node:http_outgoing:97

node:internal/s...s/readable:181

node:internal/s...s/readable:875

_stream_readable.js:222

node:internal/s...s/readable:227