



Verificar sobre la ruta /info con y sin compresión, la diferencia de cantidad de bytes devueltos en un caso y otro.

Sin compresión:

Name	Type	Size ▾
 info	document	4.5 kB

```
router.get('/info', (req,res)=>{
  const info = {
    inputArguments: JSON.stringify(args),
    cpuNumber:      os.cpus().length,
    platformName:   process.platform,
    versionNode:    process.version,
    rss:            process.memoryUsage().rss,
    path:           process.argv[0],
    processId:      process.pid,
    projectFolder:  `${process.cwd()}`
  }
  res.render('index', {info})
});
```

Con compresión:

Name	Type	Size ▾
 info	document	1.7 kB

```
router.get('/info', compression(),(req,res)=>{
  const info = {
    inputArguments: JSON.stringify(args),
    cpuNumber:      os.cpus().length,
    platformName:   process.platform,
    versionNode:    process.version,
    rss:            process.memoryUsage().rss,
    path:           process.argv[0],
    processId:      process.pid,
    projectFolder:  `${process.cwd()}`
  }
  res.render('index', {info})
});
```

1) --prof
node_info.txt

```
-----  
Summary report @ 17:33:38(-0300)  
-----  
  
http.codes.200: ..... 1000  
http.request_rate: ..... 116/sec  
http.requests: ..... 1000  
http.response_time:  
  min: ..... 15  
  max: ..... 279  
  median: ..... 190.6  
  p95: ..... 237.5  
  p99: ..... 257.3  
http.responses: ..... 1000  
vusers.completed: ..... 50  
vusers.created: ..... 50  
vusers.created_by_name.0: ..... 50  
vusers.failed: ..... 0  
vusers.session_length:  
  min: ..... 2753.2  
  max: ..... 3779.1  
  median: ..... 3605.5  
  p95: ..... 3752.7  
  p99: ..... 3752.7
```

node_prof.txt

```
[Summary]:  
| ticks | total | nonlib | name  
| 276 | 1.7% | 99.3% | JavaScript  
| 0 | 0.0% | 0.0% | C++  
| 237 | 1.5% | 85.3% | GC  
| 15893 | 98.3% | | Shared libraries  
| 2 | 0.0% | | Unaccounted
```

Autocannon

2) --inspect

Node .\benchmark.js

Running benchmarks in Parallel
 Running 20s test @ http://localhost:8080/info
 100 connections

Stat	2.5x	50x	97.5x	99x	Avg	Stdev	Max
Latency	463 ms	522 ms	704 ms	742 ms	543.48 ms	67.84 ms	771 ms

Stat	1x	2.5x	50x	97.5x	Avg	Stdev	Min
Req/Sec	100	100	100	214	101.9	27.44	100
Bytes/Sec	457 kB	457 kB	859 kB	978 kB	831 kB	125 kB	457 kB

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

4k requests in 20.05s, 16.6 MB read

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Profiler Console Sources Memory AdBlock

Heavy (Bottom Up) [X] [Y] [Z]

Profiles

CPU PROFILES

Profile 1 Start

Self Time	Total Time	Function
02205.6 ms	02205.6 ms	(idle)
2830.6 ms	15.74 %	consoleCall
1963.0 ms	10.91 %	writeUTFString
1268.3 ms	7.05 %	(garbage collector)
525.2 ms	2.92 %	next
523.8 ms	2.91 %	SourceNode_walk
470.2 ms	2.61 %	(program)
468.6 ms	2.61 %	stat
304.7 ms	2.19 %	getCPUs
377.1 ms	2.10 %	SourceNode_add
345.9 ms	1.92 %	parse
325.0 ms	1.81 %	createFunctionContext
279.8 ms	1.56 %	quotedString
179.6 ms	1.00 %	registerDestroyHook
179.4 ms	1.00 %	wrap
160.9 ms	0.89 %	compile
138.2 ms	0.77 %	replaceStack
137.9 ms	0.77 %	FSReqCallback
136.5 ms	0.76 %	init
125.7 ms	0.70 %	resolve

source-node.js:221
 source-node.js:122
 parser.js:201
 javascript-compiler.js:223
 code-gen.js:118
 code-gen.js:98
 javascript-compiler.js:64
 javascript-compiler.js:994
 node:internal/fs_async_hook:18
 node:fs:138

Se observan que los logs en consola afectan al performance y tambien la funcion Next() de Logger que incorporé en el middleware.

Ya que este se ejecuta en cada peticion a la pagina.

Tambien hay mucho procesamiento en los RES.JSON.

Tambien puede ser que consuma mucho los proccess para conseguir info(cpus, platform)