



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

```
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Summary report @ 17:33:38(-0300)
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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

```
PS D:\BackendCoderhouse\14.Performance> node .\benchmark.js
Running benchmarks in Parallel
Running 20s test @ http://localhost:8080/info
100 connections
```

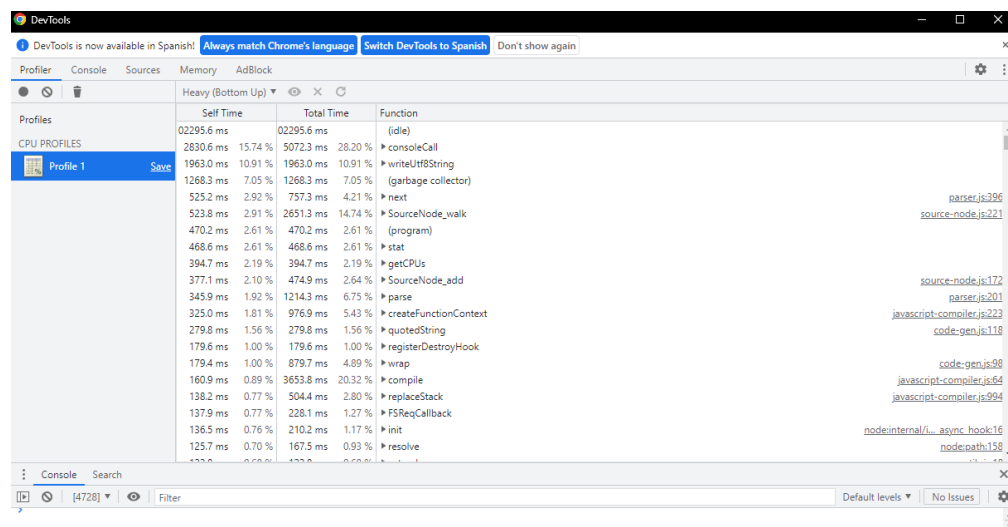
Stat	2.5s	50s	97.5s	99s	Avg	Stddev	Max
Latency	463 ms	522 ms	704 ms	742 ms	543.48 ms	67.84 ms	771 ms

Stat	1s	2.5s	50s	97.5s	Avg	Stddev	Min
Req/Sec	100	100	188	214	181.9	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  
PS D:\BackendCoderhouse\14.Performance>



```
0.1 ms router.get('/info', compression(), (req, res) => {
0.4 ms   const info = {
16.2 ms     inputArguments: JSON.stringify(args),
2.0 ms     cpuNumber:      os.cpus().length,
2.6 ms     platformName:   process.platform,
0.1 ms     versionNode:    process.version,
1.5 ms     rss:            process.memoryUsage().rss,
1.3 ms     path:           process.argv[0],
0.2 ms     processId:      process.pid,
0.4 ms     projectFolder: `${process.cwd()}`
   }
9.0 ms   console.log(info)
14.6 ms   res.render('index', {info})
});
router.get('*', (req, res) => {
  const router = req.url;
  const method = req.method;
  warnLogger.warn(`Route: ${router}. Method: ${method}`);
  res.send('no bueno. Mal ahí: 404', 404);
});

module.exports = router
```

