Conclusión:

La app se comporta más rápido sin usar console.log() que usando console.log() en la ruta api/info. Por ejemplo, usandolos, la app realiza 12005 ticks, mientras que si los eliminamos la app solo necesita la mitad, 6433 ticks.

Adicionalmente, la app se tardó en promedio solo 242.3ms en contestar cuando NO tenía console.logs. En cambio, cuando sí los tenía, se tardo en promedio 596ms, el doble (casi triple).

Así, vemos que en promedio la app tiene +~50% eficiencia con solo sacarle los console.log, recordando que solo se está testeando la ruta /api/info.

Trabajando sobre localhost:8080/api/info sin console.logs():

Primero transformo toda mi app a JS con:$ npx tsc

$ node --prof dist/index.js

$ artillery quick --count 50 -n 20 http://localhost:8080/api/info > artillery_Without_Console.txt

- artillery_Without_Console.txt:

Phase started: unnamed (index: 0, duration: 1s) 01:26:03(-0300)

Phase completed: unnamed (index: 0, duration: 1s) 01:26:04(-0300)

Metrics for period to: 01:26:10(-0300) (width: 5.576s)
---

http.codes.200: 1000
http.request_rate: 182/sec
http.requests: 1000
http.response_time:
  min: 46
  max: 355
  median: 242.3
  p95: 327.1

```
  p99: ..... 347.3
http.responses: ..... 1000
vusers.completed: ..... 50
vusers.created: ..... 50
vusers.created_by_name.0: ..... 50
vusers.failed: ..... 0
vusers.session_length:
  min: ..... 4485
  max: ..... 4901.3
  median: ..... 4770.6
  p95: ..... 4867
  p99: ..... 4867


All VUs finished. Total time: 6 seconds

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Summary report @ 01:26:09(-0300)
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http.codes.200: ..... 1000
http.request_rate: ..... 182/sec
http.requests: ..... 1000
http.response_time:
  min: ..... 46
  max: ..... 355
  median: ..... 242.3
  p95: ..... 327.1
  p99: ..... 347.3
http.responses: ..... 1000
vusers.completed: ..... 50
vusers.created: ..... 50
vusers.created_by_name.0: ..... 50
vusers.failed: ..... 0
vusers.session_length:
  min: ..... 4485
  max: ..... 4901.3
  median: ..... 4770.6
  p95: ..... 4867
  p99: ..... 4867
```

$ node.exe --prof-process prof_WithoutConsole.log > result_prof_without_console.txt

- result_prof_without_console.txt

Statistical profiling result from prof_WithoutConsole.log, (6433 ticks, 0 unaccounted, 0 excluded).

[Shared libraries]:
  ticks total nonlib   name
  5237   81.4%   C:\WINDOWS\SYSTEM32\ntdll.dll
  1145   17.8%   C:\Program Files\nodejs\node.exe
     8   0.1%   C:\WINDOWS\System32\KERNELBASE.dll
     1   0.0%   C:\WINDOWS\system32\mswsock.dll

[JavaScript]:
  ticks total nonlib   name
    10   0.2%   23.8% LazyCompile: *resolve node:path:158:10
     3   0.0%   7.1% LazyCompile: *next
C:\backend\class32PerformanceTesting\node_modules\express\lib\router\index.js:177:16
     2   0.0%   4.8% LazyCompile: *readPackageScope
node:internal/modules/cjs/loader:321:26
     2   0.0%   4.8% LazyCompile: *nextTick node:internal/process/task_queues:104:18
     2   0.0%   4.8% Function: ^validateString node:internal/validators:118:24
     1   0.0%   2.4% RegExp: ^\/info\/?(?=\/|$)
     1   0.0%   2.4% RegExp: ^[!#$%&'*+.^_`|~0-9A-Za-z-]+\/[!#$%&'*+.^_`|~0-9A-Za-z-]+$
     1   0.0%   2.4% LazyCompile: *stat node:internal/modules/cjs/loader:151:14
     1   0.0%   2.4% LazyCompile: *readPackage node:internal/modules/cjs/loader:290:21
     1   0.0%   2.4% LazyCompile: *readFileSync node:fs:450:22
     1   0.0%   2.4% LazyCompile: *Writable.write
C:\backend\class32PerformanceTesting\node_modules\readable-stream\lib_stream_writabl
e.js:288:37
     1   0.0%   2.4% LazyCompile: *Module._findPath
node:internal/modules/cjs/loader:494:28
     1   0.0%   2.4% Function: ^writeHead
C:\backend\class32PerformanceTesting\node_modules\on-headers\index.js:28:29
     1   0.0%   2.4% Function: ^router
C:\backend\class32PerformanceTesting\node_modules\express\lib\router\index.js:46:18
     1   0.0%   2.4% Function: ^realpathSync node:fs:2425:22
     1   0.0%   2.4% Function: ^nativeModuleRequire
node:internal/bootstrap/loaders:332:29
     1   0.0%   2.4% Function: ^isModified
C:\backend\class32PerformanceTesting\node_modules\express-session\index.js:425:24
     1   0.0%   2.4% Function: ^getDefaultTriggerAsyncId
node:internal/async_hooks:433:34
     1   0.0%   2.4% Function: ^fresh
C:\backend\class32PerformanceTesting\node_modules\fresh\index.js:33:16
     1   0.0%   2.4% Function: ^doWrite node:internal/streams/writable:398:17
     1   0.0%   2.4% Function: ^dirname node:path:653:10
     1   0.0%   2.4% Function: ^compression
C:\backend\class32PerformanceTesting\node_modules\compression\index.js:59:31
     1   0.0%   2.4% Function: ^_unrefTimer node:net:431:52
     1   0.0%   2.4% Function: ^Writable.write
C:\backend\class32PerformanceTesting\node_modules\readable-stream\lib_stream_writabl
e.js:288:37

```
     1    0.0%    2.4%  Function: ^Module._resolveFilename
node:internal/modules/cjs/loader:848:35
     1    0.0%    2.4%  Function: ^<anonymous> node:internal/validators:84:3
     1    0.0%    2.4%  Function: ^<anonymous> node:internal/validators:73:3
     1    0.0%    2.4%  Function: ^<anonymous> node:internal/fs/utils:687:40

 [C++]:
   ticks  total  nonlib   name

 [Summary]:
   ticks  total  nonlib   name
    42    0.7%  100.0%  JavaScript
     0    0.0%    0.0%  C++
    72    1.1%  171.4%  GC
  6391   99.3%          Shared libraries

 [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
   5237   81.4%  C:\WINDOWS\SYSTEM32\ntdll.dll
     98    1.9%    C:\Program Files\nodejs\node.exe
      4    4.1%      Function: ^realpathSync node:fs:2425:22
      2   50.0%        LazyCompile: *Module._findPath node:internal/modules/cjs/loader:494:28
      2  100.0%          Function: ^Module._resolveFilename
node:internal/modules/cjs/loader:848:35
      1   50.0%            LazyCompile: *Module._load node:internal/modules/cjs/loader:757:24
      1   50.0%            Function: ^Module._load node:internal/modules/cjs/loader:757:24
      2   50.0%        Function: ^toRealPath node:internal/modules/cjs/loader:393:20
      2  100.0%          Function: ^tryFile node:internal/modules/cjs/loader:384:17
      2  100.0%            Function: ^tryExtensions node:internal/modules/cjs/loader:400:23
      4    4.1%      C:\Program Files\nodejs\node.exe
      1   25.0%        LazyCompile: ~path
C:\backend\class32PerformanceTesting\node_modules\socket.io\dist\index.js:145:9
      1  100.0%          LazyCompile: ~Server
C:\backend\class32PerformanceTesting\node_modules\socket.io\dist\index.js:79:16
      1  100.0%            LazyCompile: ~module.exports
C:\backend\class32PerformanceTesting\node_modules\socket.io\dist\index.js:738:18
      1   25.0%        LazyCompile: ~f
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\nl\int
ernet\index.js:1:259
```

```
     1  100.0%          LazyCompile: ~m
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\nl\int
ernet\index.js:1:432
     1  100.0%            Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\nl\int
ernet\index.js:1:1
     1   25.0%        Function: ^realpathSync node:fs:2425:22
     1  100.0%          Function: ^toRealPath node:internal/modules/cjs/loader:393:20
     1  100.0%            Function: ^tryFile node:internal/modules/cjs/loader:384:17
     1   25.0%        Function: ^readPackage node:internal/modules/cjs/loader:290:21
     1  100.0%          Function: ^readPackageScope node:internal/modules/cjs/loader:321:26
     1  100.0%            Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
     2    2.0%      LazyCompile: ~Module._extensions..js
node:internal/modules/cjs/loader:1114:37
     1   50.0%        LazyCompile: ~Module.load node:internal/modules/cjs/loader:969:33
     1  100.0%          LazyCompile: ~Module._load node:internal/modules/cjs/loader:757:24
     1  100.0%            LazyCompile: ~executeUserEntryPoint
node:internal/modules/run_main:70:31
     1   50.0%        Function: ^Module.load node:internal/modules/cjs/loader:969:33
     1  100.0%          Function: ^Module._load node:internal/modules/cjs/loader:757:24
     1  100.0%            Function: ^Module.require node:internal/modules/cjs/loader:997:36
     1    1.0%      LazyCompile: ~x
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\mk\n
ame\male_first_name.js:1:388
     1  100.0%        Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\mk\n
ame\male_first_name.js:1:1
     1  100.0%          Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
     1  100.0%            Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
     1    1.0%      LazyCompile: ~x
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\es\na
me\prefix.js:1:388
     1  100.0%        Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\es\na
me\prefix.js:1:1
     1  100.0%          Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
     1  100.0%            Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
     1    1.0%      LazyCompile: ~writevGeneric node:internal/stream_base_commons:122:23
     1  100.0%        Function: ^Socket._writeGeneric node:net:791:42
     1  100.0%          LazyCompile: ~Socket._writev node:net:823:36
     1  100.0%            LazyCompile: ~doWrite node:internal/streams/writable:398:17
     1    1.0%      LazyCompile: ~value node:internal/console/constructor:329:20
     1  100.0%        LazyCompile: ~warn node:internal/console/constructor:364:7
     1  100.0%          C:\Program Files\nodejs\node.exe
     1  100.0%            LazyCompile: ~writeOut node:internal/process/warning:46:18
```

```
     1    1.0%      LazyCompile: ~updateRsFromPrimary
C:\backend\class32PerformanceTesting\node_modules\mongodb\lib\sdam\topology_descript
ion.js:257:29
     1  100.0%        Function: ^update
C:\backend\class32PerformanceTesting\node_modules\mongodb\lib\sdam\topology_descript
ion.js:131:11
     1  100.0%          Function: ^serverUpdateHandler
C:\backend\class32PerformanceTesting\node_modules\mongodb\lib\sdam\topology.js:320:2
4
     1  100.0%            Function: ^<anonymous>
C:\backend\class32PerformanceTesting\node_modules\mongodb\lib\sdam\topology.js:480:5
3
     1    1.0%      LazyCompile: ~tryReadStart node:net:608:22
     1  100.0%        Function: ^Socket._read node:net:618:34
     1  100.0%          Function: ^Readable.read node:internal/streams/readable:394:35
     1  100.0%            Function: ^Socket.read node:net:661:33
     1    1.0%      LazyCompile: ~stat
C:\backend\class32PerformanceTesting\node_modules\winston\lib\winston\transports\file.js:
419:7
     1  100.0%        LazyCompile: ~open
C:\backend\class32PerformanceTesting\node_modules\winston\lib\winston\transports\file.js:
387:7
     1  100.0%          LazyCompile: ~File
C:\backend\class32PerformanceTesting\node_modules\winston\lib\winston\transports\file.js:
33:14
     1  100.0%            Function: ~<anonymous>
C:\backend\class32PerformanceTesting\dist\config\logger.js:1:1
     1    1.0%      LazyCompile: ~s
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\nl_B
E\address\index.js:1:259
     1  100.0%        LazyCompile: ~t
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\nl_B
E\address\index.js:1:432
     1  100.0%          Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\nl_B
E\address\index.js:1:1
     1  100.0%            Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
     1    1.0%      LazyCompile: ~resolvePackageTarget
node:internal/modules/esm/resolve:572:30
     1  100.0%        LazyCompile: ~packageExportsResolve
node:internal/modules/esm/resolve:678:31
     1  100.0%          Function: ^resolveExports node:internal/modules/cjs/loader:472:24
     1  100.0%            Function: ^Module._findPath node:internal/modules/cjs/loader:494:28
     1    1.0%      LazyCompile: ~resolveBSONOptions
C:\backend\class32PerformanceTesting\node_modules\mongodb\lib\bson.js:55:28
     1  100.0%        LazyCompile: ~resolveOptions
C:\backend\class32PerformanceTesting\node_modules\mongodb\lib\utils.js:570:24
```

```
     1  100.0%          LazyCompile: ~createCollection
C:\backend\class32PerformanceTesting\node_modules\mongodb\lib\db.js:156:21
     1  100.0%            LazyCompile: ~createCollection
C:\backend\class32PerformanceTesting\node_modules\mongoose\lib\connection.js:401:82
     1    1.0%      LazyCompile: ~processWaitQueue
C:\backend\class32PerformanceTesting\node_modules\mongodb\lib\cmap\connection_pool.j
s:435:21
     1  100.0%        LazyCompile: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\mongodb\lib\cmap\connection_pool.j
s:183:26
     1  100.0%          Function: ^processTicksAndRejections
node:internal/process/task_queues:68:35
     1    1.0%      LazyCompile: ~processTicksAndRejections
node:internal/process/task_queues:68:35
     1    1.0%      LazyCompile: ~parseAuthority
C:\backend\class32PerformanceTesting\node_modules\whatwg-url\lib\url-state-machine.js:7
31:71
     1  100.0%        Function: ^URLStateMachine
C:\backend\class32PerformanceTesting\node_modules\whatwg-url\lib\url-state-machine.js:4
81:25
     1  100.0%          LazyCompile: ~module.exports.basicURLParse
C:\backend\class32PerformanceTesting\node_modules\whatwg-url\lib\url-state-machine.js:1
206:41
     1  100.0%            LazyCompile: ~URLImpl
C:\backend\class32PerformanceTesting\node_modules\whatwg-url\lib\URL-impl.js:7:14
     1    1.0%      LazyCompile: ~n
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\en_I
ND\address\city.js:1:388
     1  100.0%        Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\en_I
ND\address\city.js:1:1
     1  100.0%          Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
     1  100.0%            Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
     1    1.0%      LazyCompile: ~multiplication32
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\modules\mer
senne\twister.js:1:885
     1  100.0%        LazyCompile: ~initGenrand
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\modules\mer
senne\twister.js:1:994
     1  100.0%          LazyCompile: ~a
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\modules\mer
senne\index.js:1:715
     1  100.0%            LazyCompile: ~Y
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\faker.js:1:13
41
```

```
     1    1.0%      LazyCompile: ~m
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\ru\ad
dress\street_address.js:1:388
     1  100.0%        Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\ru\ad
dress\street_address.js:1:1
     1  100.0%          Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
     1  100.0%            Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
     1    1.0%      LazyCompile: ~m
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\pl\ad
dress\street_address.js:1:388
     1  100.0%        Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\pl\ad
dress\street_address.js:1:1
     1  100.0%          Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
     1  100.0%            Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
     1    1.0%      LazyCompile: ~log
C:\backend\class32PerformanceTesting\node_modules\winston\lib\winston\transports\consol
e.js:44:6
     1  100.0%        LazyCompile: ~_write
C:\backend\class32PerformanceTesting\node_modules\winston-transport\index.js:69:51
     1  100.0%          LazyCompile: ~doWrite
C:\backend\class32PerformanceTesting\node_modules\readable-stream\lib\_stream_writabl
e.js:404:17
     1  100.0%            LazyCompile: ~writeOrBuffer
C:\backend\class32PerformanceTesting\node_modules\readable-stream\lib\_stream_writabl
e.js:363:23
     1    1.0%      LazyCompile: ~k
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\de\da
te\index.js:1:533
     1  100.0%        Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\de\da
te\index.js:1:1
     1  100.0%          Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
     1  100.0%            Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
     1    1.0%      LazyCompile: ~isURLInstance node:internal/url:1495:23
     1  100.0%        LazyCompile: ~fileURLToPath node:internal/url:1416:23
     1  100.0%          LazyCompile: ~finalizeEsmResolution
node:internal/modules/cjs/loader:939:31
     1  100.0%            LazyCompile: ~resolveExports node:internal/modules/cjs/loader:472:24
     1    1.0%      LazyCompile: ~hasbody
C:\backend\class32PerformanceTesting\node_modules\type-is\index.js:92:18
     1  100.0%        LazyCompile: ~jsonParser
C:\backend\class32PerformanceTesting\node_modules\body-parser\lib\types\json.js:98:30
```

```
     1  100.0%          Function: ^handle
C:\backend\class32PerformanceTesting\node_modules\express\lib\router\layer.js:86:49
     1  100.0%            Function: ^trim_prefix
C:\backend\class32PerformanceTesting\node_modules\express\lib\router\index.js:293:23
     1    1.0%      LazyCompile: ~get length
C:\backend\class32PerformanceTesting\node_modules\mongodb\lib\utils.js:702:15
     1  100.0%        LazyCompile: ~remove
C:\backend\class32PerformanceTesting\node_modules\mongodb\lib\utils.js:756:11
     1  100.0%          LazyCompile: ~shift
C:\backend\class32PerformanceTesting\node_modules\mongodb\lib\utils.js:768:10
     1  100.0%            LazyCompile: ~read
C:\backend\class32PerformanceTesting\node_modules\mongodb\lib\utils.js:839:9
     1    1.0%      LazyCompile: ~get
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\sv\na
me\index.js:1:368
     1  100.0%        Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\sv\na
me\index.js:1:1
     1  100.0%          LazyCompile: *Module._compile
node:internal/modules/cjs/loader:1059:37
     1  100.0%            Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
     1    1.0%      LazyCompile: ~get
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\ru\co
mpany\index.js:1:368
     1  100.0%        Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\ru\co
mpany\index.js:1:1
     1  100.0%          Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
     1  100.0%            Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
     1    1.0%      LazyCompile: ~get
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\ru\ad
dress\building_number.js:1:324
     1  100.0%        LazyCompile: ~get
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\ru\ad
dress\index.js:1:368
     1  100.0%          Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\ru\ad
dress\index.js:1:1
     1  100.0%            Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
     1    1.0%      LazyCompile: ~get
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\pt_P
T\address\street_prefix.js:1:324
     1  100.0%        LazyCompile: ~get
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\pt_P
T\address\index.js:1:368
```

1 100.0% Function: ~<anonymous> C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\pt_PT\address\index.js:1:1
1 100.0% Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
1 1.0% LazyCompile: ~get C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\nl_BE\name\index.js:1:368
1 100.0% LazyCompile: ~get C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\nl_BE\index.js:1:368
1 100.0% Function: ~<anonymous> C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\nl_BE\index.js:1:1
1 100.0% Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
1 1.0% LazyCompile: ~get C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\nl\date\index.js:1:368
1 100.0% Function: ~<anonymous> C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\nl\date\index.js:1:1
1 100.0% Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
1 100.0% Function: ^Module._extensions..js node:internal/modules/cjs/loader:1114:37
1 1.0% LazyCompile: ~get C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\id_ID\internet\index.js:1:368
1 100.0% LazyCompile: ~get C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\id_ID\index.js:1:368
1 100.0% Function: ~<anonymous> C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\id_ID\index.js:1:1
1 100.0% Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
1 1.0% LazyCompile: ~get C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\hy\address\street_address.js:1:324
1 100.0% LazyCompile: ~get C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\hy\address\index.js:1:368
1 100.0% Function: ~<anonymous> C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\hy\address\index.js:1:1
1 100.0% Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
1 1.0% LazyCompile: ~get C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\he\music\index.js:1:368

```
      1  100.0%        LazyCompile: ~get
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\he\in
dex.js:1:368
      1  100.0%          Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\he\in
dex.js:1:1
      1  100.0%            Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
      1    1.0%      LazyCompile: ~get
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\he\ad
dress\index.js:1:368
      1  100.0%        Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\he\ad
dress\index.js:1:1
      1  100.0%          Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
      1  100.0%            Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
      1    1.0%      LazyCompile: ~get
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\ge\na
me\index.js:1:368
      1  100.0%        Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\ge\na
me\index.js:1:1
      1  100.0%          Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
      1  100.0%            Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
      1    1.0%      LazyCompile: ~get
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\fr\col
or\index.js:1:368
      1  100.0%        Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\fr\col
or\index.js:1:1
      1  100.0%          Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
      1  100.0%            Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
      1    1.0%      LazyCompile: ~get
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\es_M
X\company\index.js:1:368
      1  100.0%        Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\es_M
X\company\index.js:1:1
      1  100.0%          Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
      1  100.0%            Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
      1    1.0%      LazyCompile: ~get
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\es\ad
dress\city_prefix.js:1:324
```

```
      1  100.0%        LazyCompile: ~get
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\es\ad
dress\index.js:1:368
      1  100.0%          Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\es\ad
dress\index.js:1:1
      1  100.0%            Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
      1    1.0%      LazyCompile: ~get
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\en\na
me\index.js:1:368
      1  100.0%        Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\en\na
me\index.js:1:1
      1  100.0%          Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
      1  100.0%            Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
      1    1.0%      LazyCompile: ~get
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\de\co
mpany\index.js:1:368
      1  100.0%        LazyCompile: ~get
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\de\in
dex.js:1:368
      1  100.0%          Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\de\in
dex.js:1:1
      1  100.0%            Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
      1    1.0%      LazyCompile: ~get
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\az\na
me\index.js:1:368
      1  100.0%        Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\az\na
me\index.js:1:1
      1  100.0%          Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
      1  100.0%            Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
      1    1.0%      LazyCompile: ~g
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\it\na
me\index.js:1:533
      1  100.0%        Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\it\na
me\index.js:1:1
      1  100.0%          Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
      1  100.0%            Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
      1    1.0%      LazyCompile: ~fromStringFast node:buffer:413:24
      1  100.0%        LazyCompile: ~fromString node:buffer:432:20
      1  100.0%          LazyCompile: ~from node:buffer:296:28
      1  100.0%            Function: ~<anonymous> node:internal/fs/rimraf:1:1
```

```
      1    1.0%      LazyCompile: ~from node:buffer:296:28
      1  100.0%        LazyCompile: ~ensureBuffer
C:\backend\class32PerformanceTesting\node_modules\bson\lib\ensure_buffer.js:15:22
      1  100.0%          LazyCompile: ~Binary
C:\backend\class32PerformanceTesting\node_modules\bson\lib\binary.js:42:20
      1  100.0%            LazyCompile: ~clone
C:\backend\class32PerformanceTesting\node_modules\mongodb\lib\sessions.js:559:17
      1    1.0%      LazyCompile: ~f
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\es_M
X\index.js:1:259
      1  100.0%        LazyCompile: ~m
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\es_M
X\index.js:1:432
      1  100.0%          Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\es_M
X\index.js:1:1
      1  100.0%            Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
      1    1.0%      LazyCompile: ~emit node:events:475:44
      1  100.0%        LazyCompile: ~connect
C:\backend\class32PerformanceTesting\node_modules\mongodb\lib\sdam\topology.js:154:1
2
      1  100.0%          LazyCompile: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\mongodb\lib\mongo_client.js:136:49
      1  100.0%            LazyCompile: ~<anonymous> node:internal/util:346:24
      1    1.0%      LazyCompile: ~deserializeObject
C:\backend\class32PerformanceTesting\node_modules\bson\lib\parser\deserializer.js:65:27
      1  100.0%        LazyCompile: ~deserializeObject
C:\backend\class32PerformanceTesting\node_modules\bson\lib\parser\deserializer.js:65:27
      1  100.0%          LazyCompile: ~deserialize
C:\backend\class32PerformanceTesting\node_modules\bson\lib\parser\deserializer.js:36:21
      1  100.0%            LazyCompile: ~deserialize
C:\backend\class32PerformanceTesting\node_modules\bson\lib\bson.js:161:21
      1    1.0%      LazyCompile: ~debug node:internal/util/debuglog:76:15
      1  100.0%        Function: ^logger node:internal/util/debuglog:95:18
      1  100.0%          LazyCompile: ~connectionListenerInternal node:_http_server:448:36
      1  100.0%            Function: ^defaultTriggerAsyncIdScope
node:internal/async_hooks:456:36
      1    1.0%      LazyCompile: ~b
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\pt_P
T\address\city_suffix.js:1:388
      1  100.0%        Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\pt_P
T\address\city_suffix.js:1:1
      1  100.0%          Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
      1  100.0%            Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
      1    1.0%      LazyCompile: ~__extends
C:\backend\class32PerformanceTesting\node_modules\bson\lib\timestamp.js:9:21
```

```
     1  100.0%        Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\bson\lib\timestamp.js:27:41
     1  100.0%          Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\bson\lib\timestamp.js:1:1
     1  100.0%            LazyCompile: *Module._compile
node:internal/modules/cjs/loader:1059:37
     1    1.0%      LazyCompile: ~Y
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\faker.js:1:13
41
     1  100.0%        Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\index.js:1:1
     1  100.0%          Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
     1  100.0%            Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
     1    1.0%      LazyCompile: ~SessionStrategy.authenticate
C:\backend\class32PerformanceTesting\node_modules\passport\lib\strategies\session.js:45:
50
     1  100.0%        LazyCompile: ~attempt
C:\backend\class32PerformanceTesting\node_modules\passport\lib\middleware\authenticate
.js:180:22
     1  100.0%          LazyCompile: ~authenticate
C:\backend\class32PerformanceTesting\node_modules\passport\lib\middleware\authenticate
.js:94:31
     1  100.0%            LazyCompile: ~handle
C:\backend\class32PerformanceTesting\node_modules\express\lib\router\layer.js:86:49
     1    1.0%      LazyCompile: ~Server
C:\backend\class32PerformanceTesting\node_modules\socket.io\dist\index.js:79:16
     1  100.0%        LazyCompile: ~module.exports
C:\backend\class32PerformanceTesting\node_modules\socket.io\dist\index.js:738:18
     1  100.0%          LazyCompile: ~innitWebSocket
C:\backend\class32PerformanceTesting\dist\services\socket.js:6:24
     1  100.0%            Function: ~<anonymous>
C:\backend\class32PerformanceTesting\dist\services\server.js:1:1
     1    1.0%      LazyCompile: ~MongoClient
C:\backend\class32PerformanceTesting\node_modules\mongodb\lib\mongo_client.js:43:16
     1  100.0%        LazyCompile: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\mongoose\lib\connection.js:799:31
     1  100.0%          C:\Program Files\nodejs\node.exe
     1  100.0%            LazyCompile: ~Connection.openUri
C:\backend\class32PerformanceTesting\node_modules\mongoose\lib\connection.js:681:40
     1    1.0%      LazyCompile: ~L
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\de\na
me\first_name.js:1:388
     1  100.0%        Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\de\na
me\first_name.js:1:1
     1  100.0%          Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
```

```
     1  100.0%          Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
     1    1.0%      LazyCompile: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\mongodb\lib\operations\operation.js:
28:51
     1  100.0%        LazyCompile: ~<anonymous> node:internal/util:346:24
     1  100.0%          C:\Program Files\nodejs\node.exe
     1  100.0%            LazyCompile: ~fn node:internal/util:345:14
     1    1.0%      LazyCompile: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\mongodb\lib\cmap\connection_pool.j
s:486:35
     1  100.0%        LazyCompile: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\mongodb\lib\cmap\connection_pool.j
s:360:48
     1  100.0%          LazyCompile: ~callback
C:\backend\class32PerformanceTesting\node_modules\mongodb\lib\cmap\connect.js:63:31
     1  100.0%            LazyCompile: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\mongodb\lib\cmap\connect.js:128:44
     1    1.0%      LazyCompile: *readPackageScope node:internal/modules/cjs/loader:321:26
     1  100.0%        Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
     1  100.0%          LazyCompile: *Module._load node:internal/modules/cjs/loader:757:24
     1  100.0%            Function: ^Module.require node:internal/modules/cjs/loader:997:36
     1    1.0%      LazyCompile: *Module._findPath node:internal/modules/cjs/loader:494:28
     1  100.0%        Function: ^Module._resolveFilename
node:internal/modules/cjs/loader:848:35
     1  100.0%          Function: ^Module._load node:internal/modules/cjs/loader:757:24
     1  100.0%            Function: ^Module.require node:internal/modules/cjs/loader:997:36
     1    1.0%      Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\mongoose\lib\drivers\node-mongodb
-native\collection.js:1:1
     1  100.0%        LazyCompile: *Module._compile
node:internal/modules/cjs/loader:1059:37
     1  100.0%          Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
     1  100.0%            LazyCompile: *Module.load node:internal/modules/cjs/loader:969:33
     1    1.0%      Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\zh_C
N\name\index.js:1:1
     1  100.0%        LazyCompile: *Module._compile
node:internal/modules/cjs/loader:1059:37
     1  100.0%          Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
     1  100.0%            Function: ^Module.load node:internal/modules/cjs/loader:969:33
     1    1.0%      Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\vi\ad
dress\default_country.js:1:1
```

```
     1  100.0%        LazyCompile: *Module._compile
node:internal/modules/cjs/loader:1059:37
     1  100.0%          Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
     1  100.0%            Function: ^Module.load node:internal/modules/cjs/loader:969:33
     1    1.0%      Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\vi\ad
dress\city.js:1:1
     1  100.0%        LazyCompile: *Module._compile
node:internal/modules/cjs/loader:1059:37
     1  100.0%          Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
     1  100.0%            Function: ^Module.load node:internal/modules/cjs/loader:969:33
     1    1.0%      Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\uk\na
me\name.js:1:1
     1  100.0%        LazyCompile: *Module._compile
node:internal/modules/cjs/loader:1059:37
     1  100.0%          Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
     1  100.0%            Function: ^Module.load node:internal/modules/cjs/loader:969:33
     1    1.0%      Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\sv\co
mmerce\product_name.js:1:1
     1  100.0%        LazyCompile: *Module._compile
node:internal/modules/cjs/loader:1059:37
     1  100.0%          Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
     1  100.0%            Function: ^Module.load node:internal/modules/cjs/loader:969:33
     1    1.0%      Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\pt_B
R\name\female_first_name.js:1:1
     1  100.0%        Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
     1  100.0%          Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
     1  100.0%            Function: ^Module.load node:internal/modules/cjs/loader:969:33
     1    1.0%      Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\pt_B
R\address\default_country.js:1:1
     1  100.0%        Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
     1  100.0%          Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
     1  100.0%            Function: ^Module.load node:internal/modules/cjs/loader:969:33
     1    1.0%      Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\ne\na
me\index.js:1:1
     1  100.0%        Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
```

```
     1  100.0%          Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
     1  100.0%            LazyCompile: *Module._load node:internal/modules/cjs/loader:757:24
     1    1.0%      Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\nb_N
O\internet\domain_suffix.js:1:1
     1  100.0%        Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
     1  100.0%          Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
     1  100.0%            LazyCompile: *Module._load node:internal/modules/cjs/loader:757:24
     1    1.0%      Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\nb_N
O\address\state.js:1:1
     1  100.0%        Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
     1  100.0%          Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
     1  100.0%            LazyCompile: *Module._load node:internal/modules/cjs/loader:757:24
     1    1.0%      Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\mk\n
ame\last_name.js:1:1
     1  100.0%        Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
     1  100.0%          Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
     1  100.0%            LazyCompile: *Module._load node:internal/modules/cjs/loader:757:24
     1    1.0%      Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\mk\c
ell_phone\index.js:1:1
     1  100.0%        Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
     1  100.0%          Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
     1  100.0%            LazyCompile: *Module._load node:internal/modules/cjs/loader:757:24
     1    1.0%      Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\hr\ad
dress\default_country.js:1:1
     1  100.0%        Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
     1  100.0%          Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
     1  100.0%            Function: ^Module.load node:internal/modules/cjs/loader:969:33
     1    1.0%      Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\ge\ad
dress\postcode.js:1:1
     1  100.0%        Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
     1  100.0%          Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
     1  100.0%            Function: ^Module.load node:internal/modules/cjs/loader:969:33
     1    1.0%      Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\fr_C
H\phone_number\formats.js:1:1
```

1 100.0% Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
1 100.0% Function: ^Module._extensions..js node:internal/modules/cjs/loader:1114:37
1 100.0% Function: ^Module.load node:internal/modules/cjs/loader:969:33
1 1.0% Function: ~<anonymous> C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\fr_CH\name\male_first_name.js:1:1
1 100.0% Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
1 100.0% Function: ^Module._extensions..js node:internal/modules/cjs/loader:1114:37
1 100.0% Function: ^Module.load node:internal/modules/cjs/loader:969:33
1 1.0% Function: ~<anonymous> C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\fr_CH\commerce\product_name.js:1:1
1 100.0% Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
1 100.0% Function: ^Module._extensions..js node:internal/modules/cjs/loader:1114:37
1 100.0% Function: ^Module.load node:internal/modules/cjs/loader:969:33
1 1.0% Function: ~<anonymous> C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\fr\animal\cetacean.js:1:1
1 100.0% Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
1 100.0% Function: ^Module._extensions..js node:internal/modules/cjs/loader:1114:37
1 100.0% Function: ^Module.load node:internal/modules/cjs/loader:969:33
1 1.0% Function: ~<anonymous> C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\fa\phone_number\index.js:1:1
1 100.0% Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
1 100.0% Function: ^Module._extensions..js node:internal/modules/cjs/loader:1114:37
1 100.0% Function: ^Module.load node:internal/modules/cjs/loader:969:33
1 1.0% Function: ~<anonymous> C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\es_MX\team\index.js:1:1
1 100.0% Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
1 100.0% Function: ^Module._extensions..js node:internal/modules/cjs/loader:1114:37
1 100.0% Function: ^Module.load node:internal/modules/cjs/loader:969:33
1 1.0% Function: ~<anonymous> C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\es\address\province.js:1:1
1 100.0% Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
1 100.0% Function: ^Module._extensions..js node:internal/modules/cjs/loader:1114:37
1 100.0% Function: ^Module.load node:internal/modules/cjs/loader:969:33

```
    1    1.0%      Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\en_NG\company\index.js:1:1
    1  100.0%        Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
    1  100.0%          Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
    1  100.0%            Function: ^Module.load node:internal/modules/cjs/loader:969:33
    1    1.0%      Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\en_GH\address\street_suffix.js:1:1
    1  100.0%        Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
    1  100.0%          Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
    1  100.0%            Function: ^Module.load node:internal/modules/cjs/loader:969:33
    1    1.0%      Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\de_CH\name\prefix.js:1:1
    1  100.0%        Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
    1  100.0%          Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
    1  100.0%            Function: ^Module.load node:internal/modules/cjs/loader:969:33
    1    1.0%      Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\cz\name\prefix.js:1:1
    1  100.0%        Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
    1  100.0%          Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
    1  100.0%            Function: ^Module.load node:internal/modules/cjs/loader:969:33
    1    1.0%      Function: ^stringify
C:\backend\class32PerformanceTesting\node_modules\express\lib\response.js:1145:20
    1  100.0%        Function: ^json
C:\backend\class32PerformanceTesting\node_modules\express\lib\response.js:250:25
    1  100.0%          Function: ^<anonymous>
C:\backend\class32PerformanceTesting\dist\routes\info.js:19:78
    1  100.0%            C:\Program Files\nodejs\node.exe
    1    1.0%      Function: ^get node:_http_outgoing:162:6
    1  100.0%        LazyCompile: ~end node:_http_outgoing:833:45
    1  100.0%          LazyCompile: ~end
C:\backend\class32PerformanceTesting\node_modules\compression\index.js:92:28
    1  100.0%            LazyCompile: ~end
C:\backend\class32PerformanceTesting\node_modules\express-session\index.js:250:27
    1    1.0%      Function: ^get
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\ge\address\index.js:1:368
    1  100.0%        Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\ge\address\index.js:1:1
    1  100.0%          Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
```

```
      1  100.0%          Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
      1    1.0%      Function: ^Module._findPath node:internal/modules/cjs/loader:494:28
      1  100.0%        Function: ^Module._resolveFilename
node:internal/modules/cjs/loader:848:35
      1  100.0%          Function: ^Module._load node:internal/modules/cjs/loader:757:24
      1  100.0%            Function: ^Module.require node:internal/modules/cjs/loader:997:36
      1    1.0%      Function: ^<anonymous> node:internal/validators:236:42
      1  100.0%        Function: ^compileFunction node:vm:308:25
      1  100.0%          Function: ^wrapSafe node:internal/modules/cjs/loader:1017:18
      1  100.0%            Function: ^Module._compile node:internal/modules/cjs/loader:1059:37

   1145   17.8%  C:\Program Files\nodejs\node.exe
    877   76.6%    C:\Program Files\nodejs\node.exe
    207   23.6%      Function: ^compileFunction node:vm:308:25
    205   99.0%        Function: ^wrapSafe node:internal/modules/cjs/loader:1017:18
    109   53.2%          Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
    107   98.2%            Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
      2    1.8%          LazyCompile: ~Module._extensions..js
node:internal/modules/cjs/loader:1114:37
     96   46.8%          LazyCompile: *Module._compile
node:internal/modules/cjs/loader:1059:37
     96  100.0%            Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
     81    9.2%      Function: ^realpathSync node:fs:2425:22
     61   75.3%        Function: ^toRealPath node:internal/modules/cjs/loader:393:20
     60   98.4%          Function: ^tryFile node:internal/modules/cjs/loader:384:17
     58   96.7%            Function: ^tryExtensions node:internal/modules/cjs/loader:400:23
      2    3.3%          Function: ^tryPackage node:internal/modules/cjs/loader:338:20
      1    1.6%        Function: ^Module._findPath node:internal/modules/cjs/loader:494:28
      1  100.0%          Function: ^Module._resolveFilename
node:internal/modules/cjs/loader:848:35
     20   24.7%        LazyCompile: *Module._findPath node:internal/modules/cjs/loader:494:28
     20  100.0%          Function: ^Module._resolveFilename
node:internal/modules/cjs/loader:848:35
     15   75.0%            Function: ^Module._load node:internal/modules/cjs/loader:757:24
      5   25.0%          LazyCompile: *Module._load node:internal/modules/cjs/loader:757:24
     48    5.5%      Function: ^handleWriteReq node:internal/stream_base_commons:45:24
     48  100.0%        Function: ^writeGeneric node:internal/stream_base_commons:147:22
     36   75.0%          Function: ^Socket._writeGeneric node:net:791:42
     36  100.0%            Function: ^Socket._write node:net:828:35
     12   25.0%          LazyCompile: *writeOrBuffer node:internal/streams/writable:365:23
      8   66.7%            LazyCompile: *_write node:internal/streams/writable:283:16
      4   33.3%            Function: ^_write node:internal/streams/writable:283:16
     46    5.2%      Function: ^stat node:internal/modules/cjs/loader:151:14
     33   71.7%        Function: ^tryFile node:internal/modules/cjs/loader:384:17
     32   97.0%          Function: ^tryExtensions node:internal/modules/cjs/loader:400:23
```

```
    23   71.9%          Function: ^Module._findPath node:internal/modules/cjs/loader:494:28
     9   28.1%          Function: ^tryPackage node:internal/modules/cjs/loader:338:20
     1    3.0%        Function: ^tryPackage node:internal/modules/cjs/loader:338:20
     1  100.0%          Function: ^Module._findPath node:internal/modules/cjs/loader:494:28
    12   26.1%        Function: ^Module._findPath node:internal/modules/cjs/loader:494:28
    12  100.0%          Function: ^Module._resolveFilename
node:internal/modules/cjs/loader:848:35
    12  100.0%          Function: ^Module._load node:internal/modules/cjs/loader:757:24
     1    2.2%      LazyCompile: ~tryFile node:internal/modules/cjs/loader:384:17
     1  100.0%        LazyCompile: ~tryExtensions node:internal/modules/cjs/loader:400:23
     1  100.0%          LazyCompile: ~Module._findPath
node:internal/modules/cjs/loader:494:28
    20    2.3%     Function: ^compileForInternalLoader
node:internal/bootstrap/loaders:299:27
    17   85.0%       Function: ^nativeModuleRequire node:internal/bootstrap/loaders:332:29
     2   11.8%        Function: ~<anonymous> node:tls:1:1
     2  100.0%          Function: ^compileForInternalLoader
node:internal/bootstrap/loaders:299:27
     2   11.8%        Function: ~<anonymous> node:crypto:1:1
     2  100.0%          Function: ^compileForInternalLoader
node:internal/bootstrap/loaders:299:27
     1    5.9%        LazyCompile: ~lazyRequire node:internal/crypto/util:67:21
     1  100.0%          LazyCompile: ~get node:crypto:287:8
     1    5.9%        LazyCompile: ~lazyLoadStreams node:fs:2858:25
     1  100.0%          LazyCompile: ~get ReadStream node:fs:3001:17
     1    5.9%        LazyCompile: ~get node:dns:334:8
     1  100.0%          C:\Program Files\nodejs\node.exe
     1    5.9%        LazyCompile: ~get BlockList node:net:1826:16
     1  100.0%          Function: ~<anonymous> node:internal/modules/esm/fetch_module:1:1
     1    5.9%        Function: ~<anonymous> node:tty:1:1
     1  100.0%          Function: ^compileForInternalLoader
node:internal/bootstrap/loaders:299:27
     1    5.9%        Function: ~<anonymous> node:internal/process/esm_loader:1:1
     1  100.0%          Function: ^compileForInternalLoader
node:internal/bootstrap/loaders:299:27
     1    5.9%        Function: ~<anonymous> node:internal/modules/esm/translators:1:1
     1  100.0%          Function: ^compileForInternalLoader
node:internal/bootstrap/loaders:299:27
     1    5.9%        Function: ~<anonymous> node:internal/modules/esm/loader:1:1
     1  100.0%          Function: ^compileForInternalLoader
node:internal/bootstrap/loaders:299:27
     1    5.9%        Function: ~<anonymous> node:internal/modules/esm/get_source:1:1
     1  100.0%          Function: ^compileForInternalLoader
node:internal/bootstrap/loaders:299:27
     1    5.9%        Function: ~<anonymous> node:internal/modules/esm/fetch_module:1:1
     1  100.0%          Function: ^compileForInternalLoader
node:internal/bootstrap/loaders:299:27
     1    5.9%        Function: ~<anonymous> node:http:1:1
```

```
     1  100.0%          Function: ^compileForInternalLoader
node:internal/bootstrap/loaders:299:27
     1    5.9%        Function: ~<anonymous> node:child_process:1:1
     1  100.0%          Function: ^compileForInternalLoader
node:internal/bootstrap/loaders:299:27
     1    5.9%        Function: ~<anonymous> node:_http_client:1:1
     1  100.0%          Function: ^compileForInternalLoader
node:internal/bootstrap/loaders:299:27
     3   15.0%      Function: ^compileForPublicLoader
node:internal/bootstrap/loaders:246:25
     3  100.0%        Function: ^loadNativeModule node:internal/modules/cjs/helpers:44:26
     3  100.0%          Function: ^Module._load node:internal/modules/cjs/loader:757:24
    19    2.2%     Function: ^readSync node:fs:684:18
    16   84.2%      Function: ^tryReadSync node:fs:429:21
    16  100.0%        Function: ^readFileSync node:fs:450:22
    16  100.0%          Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
     3   15.8%      LazyCompile: *readFileSync node:fs:450:22
     3  100.0%        Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
     3  100.0%          Function: ^Module.load node:internal/modules/cjs/loader:969:33
    18    2.1%     C:\Program Files\nodejs\node.exe
     2   11.1%      Function: ^splitRoot node:fs:2375:33
     2  100.0%        Function: ^realpathSync node:fs:2425:22
     2  100.0%          Function: ^toRealPath node:internal/modules/cjs/loader:393:20
     2   11.1%      Function: ^compileFunction node:vm:308:25
     2  100.0%        Function: ^wrapSafe node:internal/modules/cjs/loader:1017:18
     1   50.0%          LazyCompile: *Module._compile
node:internal/modules/cjs/loader:1059:37
     1   50.0%          Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
     2   11.1%      Function: ^Module node:internal/modules/cjs/loader:172:16
     2  100.0%        Function: ^Module._load node:internal/modules/cjs/loader:757:24
     2  100.0%          Function: ^Module.require node:internal/modules/cjs/loader:997:36
     1    5.6%      LazyCompile: ~r
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\fr_C
H\animal\index.js:1:432
     1  100.0%        Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\fr_C
H\animal\index.js:1:1
     1  100.0%          Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
     1    5.6%      LazyCompile: ~exports.install
C:\backend\class32PerformanceTesting\node_modules\whatwg-url\lib\URLSearchParams.js:
96:19
     1  100.0%        Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\whatwg-url\index.js:1:1
     1  100.0%          LazyCompile: *Module._compile
node:internal/modules/cjs/loader:1059:37
```

```
     1    5.6%        LazyCompile: ~compressible
C:\backend\class32PerformanceTesting\node_modules\compressible\index.js:41:23
     1  100.0%          LazyCompile: ~shouldCompress
C:\backend\class32PerformanceTesting\node_modules\compression\index.js:254:25
     1  100.0%            LazyCompile: ~onResponseHeaders
C:\backend\class32PerformanceTesting\node_modules\compression\index.js:140:47
     1    5.6%        LazyCompile: ~applyStyle
C:\backend\class32PerformanceTesting\node_modules\@colors\colors\lib\colors.js:113:20
     1  100.0%          LazyCompile: ~builder
C:\backend\class32PerformanceTesting\node_modules\@colors\colors\lib\colors.js:86:33
     1  100.0%            LazyCompile: ~colorize
C:\backend\class32PerformanceTesting\node_modules\logform\colorize.js:63:11
     1    5.6%        LazyCompile: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\mongodb\lib\operations\indexes.js:8
8:36
     1  100.0%          C:\Program Files\nodejs\node.exe
     1  100.0%            LazyCompile: ~CreateIndexesOperation
C:\backend\class32PerformanceTesting\node_modules\mongodb\lib\operations\indexes.js:8
4:16
     1    5.6%        LazyCompile: *setHeader node:_http_outgoing:574:57
     1  100.0%          Function: ^header
C:\backend\class32PerformanceTesting\node_modules\express\lib\response.js:777:29
     1  100.0%            Function: ^send
C:\backend\class32PerformanceTesting\node_modules\express\lib\response.js:111:25
     1    5.6%        LazyCompile: *Module.load node:internal/modules/cjs/loader:969:33
     1  100.0%          Function: ^Module._load node:internal/modules/cjs/loader:757:24
     1  100.0%            LazyCompile: *Module.require node:internal/modules/cjs/loader:997:36
     1    5.6%        Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\bson\lib\objectid.js:1:1
     1  100.0%          LazyCompile: *Module._compile
node:internal/modules/cjs/loader:1059:37
     1  100.0%            Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
     1    5.6%        Function: ^readPackage node:internal/modules/cjs/loader:290:21
     1  100.0%          Function: ^readPackageScope node:internal/modules/cjs/loader:321:26
     1  100.0%            Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
     1    5.6%        Function: ^format
C:\backend\class32PerformanceTesting\node_modules\fecha\lib\fecha.umd.js:246:25
     1  100.0%          Function: ^<anonymous>
C:\backend\class32PerformanceTesting\node_modules\logform\timestamp.js:14:25
     1  100.0%            Function: ^<anonymous>
C:\backend\class32PerformanceTesting\node_modules\logform\combine.js:17:10
     1    5.6%        Function: ^checkInvalidHeaderChar node:_http_common:232:32
     1  100.0%          Function: ^<anonymous> node:_http_outgoing:564:45
     1  100.0%            Function: ^setHeader node:_http_outgoing:574:57
     1    5.6%        Function: ^<anonymous> node:internal/fs/utils:358:35
     1  100.0%          Function: ^<anonymous> node:internal/fs/utils:669:38
```

```
      1  100.0%          Function: ^realpathSync node:fs:2425:22
     17    1.9%      Function: ^cpus node:os:133:14
     17  100.0%        Function: ^<anonymous>
C:\backend\class32PerformanceTesting\dist\routes\info.js:19:78
     17  100.0%          C:\Program Files\nodejs\node.exe
     17  100.0%          Function: ^<anonymous>
C:\backend\class32PerformanceTesting\dist\routes\info.js:4:46
     16    1.8%      Function: ^writevGeneric node:internal/stream_base_commons:122:23
     16  100.0%        Function: ^Socket._writeGeneric node:net:791:42
     16  100.0%          Function: ^Socket._writev node:net:823:36
     16  100.0%          Function: ^doWrite node:internal/streams/writable:398:17
     16    1.8%      Function: ^openSync node:fs:576:18
     16  100.0%        Function: ^readFileSync node:fs:450:22
     16  100.0%          Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
     14   87.5%          Function: ^Module.load node:internal/modules/cjs/loader:969:33
      2   12.5%          LazyCompile: *Module._load node:internal/modules/cjs/loader:757:24
     51    4.5%    LazyCompile: *compileFunction node:vm:308:25
     51  100.0%      Function: ^wrapSafe node:internal/modules/cjs/loader:1017:18
     51  100.0%        Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
     51  100.0%          Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
     33   64.7%          Function: ^Module.load node:internal/modules/cjs/loader:969:33
     18   35.3%          LazyCompile: *Module._load node:internal/modules/cjs/loader:757:24
```

$ node --inspect dist/index.js

$ ./scripts/autocannon.sh

Autocannon:

```
tomas@DeskTom MINGW64 /c/backend/class32PerformanceTesting (master)
$ ./scripts/autocannon.sh
Running 20s test @ http://localhost:8080/api/info
100 connections
```

Stat	2.5%	50%	97.5%	99%	Avg	Stdev	Max
Latency	588 ms	685 ms	920 ms	961 ms	697.72 ms	84.97 ms	1020 ms

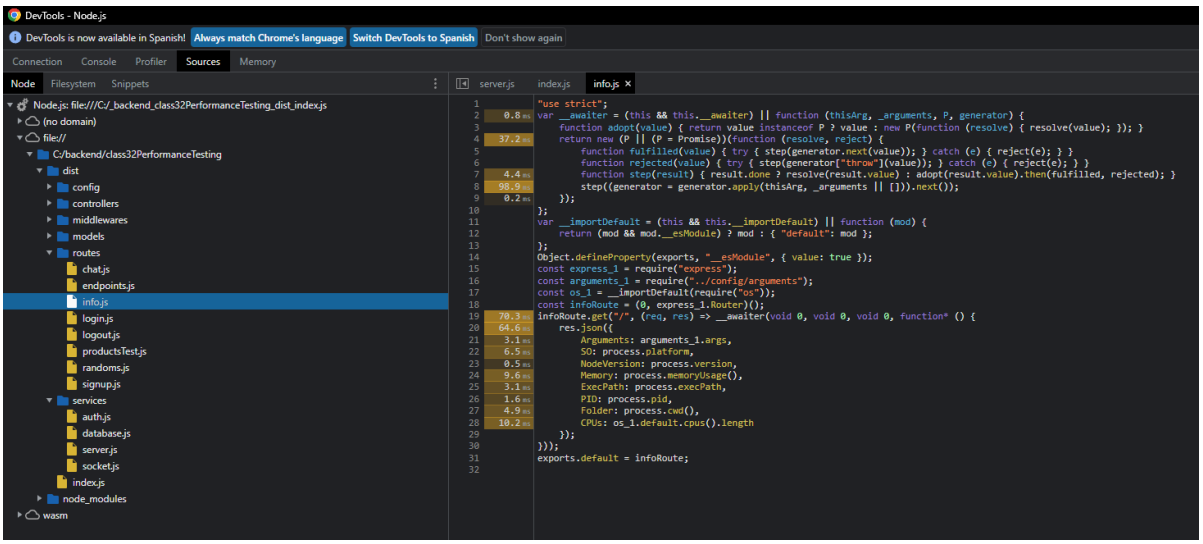
Stat	1%	2.5%	50%	97.5%	Avg	Stdev	Min
Req/Sec	97	97	143	173	141.35	17.1	97
Bytes/Sec	57.8 kB	57.8 kB	85.2 kB	103 kB	84.3 kB	10.2 kB	57.8 kB

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

3k requests in 20.17s, 1.69 MB read
```

server.js

```
"use strict";
var __createBinding = (this && this.__createBinding) || (Object.create ? (function(o, m, k, k2) {
    if (k2 === undefined) k2 = k;
    var desc = Object.getOwnPropertyDescriptor(m, k);
    if (!desc || ("get" in desc ? !m.__esModule : desc.writable || desc.configurable)) {
      desc = { enumerable: true, get: function() { return m[k]; } };
    }
    Object.defineProperty(o, k2, desc);
}) : (function(o, m, k, k2) {
    if (k2 === undefined) k2 = k;
    o[k2] = m[k];
}));
var __setModuleDefault = (this && this.__setModuleDefault) || (Object.create ? (function(o, v) {
    Object.defineProperty(o, "default", { enumerable: true, value: v });
}) : function(o, v) {
    o["default"] = v;
});
var __importStar = (this && this.__importStar) || function (mod) {
    if (mod && mod.__esModule) return mod;
    var result = {};
    if (mod != null) for (var k in mod) if (k !== "default" && Object.prototype.hasOwnProperty.call(mod, k)) __createBinding(result, mod, k);
    __setModuleDefault(result, mod);
    return result;
};
1.1 ms
var __awaiter = (this && this.__awaiter) || function (thisArg, _arguments, P, generator) {
    function adopt(value) { return value instanceof P ? value : new P(function (resolve) { resolve(value); }); }
35.4 ms
    return new (P || (P = Promise))(function (resolve, reject) {
        function fulfilled(value) { try { step(generator.next(value)); } catch (e) { reject(e); } }
        function rejected(value) { try { step(generator["throw"](value)); } catch (e) { reject(e); } }
1.1 ms
        function step(result) { result.done ? resolve(result.value) : adopt(result.value).then(fulfilled, rejected); }
73.2 ms
        step((generator = generator.apply(thisArg, _arguments || [])).next());
0.3 ms
    });
};
var __importDefault = (this && this.__importDefault) || function (mod) {
    return (mod && mod.__esModule) ? mod : { "default": mod };
};
Object.defineProperty(exports, "__esModule", { value: true });
const express_1 = __importDefault(require("express"));
const path_1 = __importDefault(require("path"));
const endpoints_1 = __importDefault(require("../routes/endpoints"));
const socket_1 = __importDefault(require("./socket"));
const util = __importStar(require("util"));
const express_session_1 = __importDefault(require("express-session"));
const http_1 = __importDefault(require("http"));
require("dotenv/config");
const checkLogIn_1 = require("../middlewares/checkLogIn");
const passport_1 = __importDefault(require("passport"));
const auth_1 = require("./auth");
const compression_1 = __importDefault(require("compression"));
const logger_1 = require("../config/logger");
const ttlSeconds = 600;
const sessionOptions = {
    secret: "shhhhhhhhhh",
```

Line 14, Column 60 Coverage: n/a

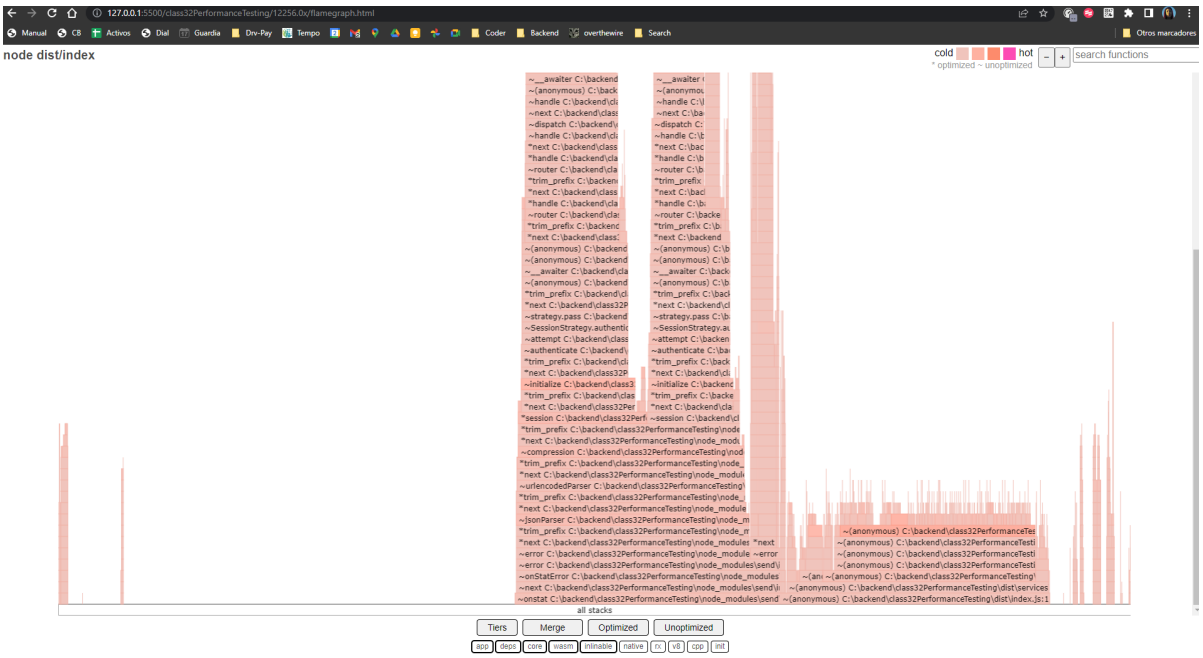


$ 0x dist/index

$ ./scripts/autocannon.sh

Autocannon:

```
tomas@DeskTom MINGW64 /c/backend/class32PerformanceTesting (master)
$ ./scripts/autocannon.sh
Running 20s test @ http://localhost:8080/api/info
100 connections


| Stat | 2.5% | 50% | 97.5% | 99% | Avg | Stdev | Max |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Latency | 2882 ms | 6120 ms | 7302 ms | 7526 ms | 5906.72 ms | 1082.29 ms | 7659 ms |

| Stat | 1% | 2.5% | 50% | 97.5% | Avg | Stdev | Min |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Req/Sec | 0 | 0 | 294 | 384 | 274.75 | 101.83 | 173 |
| Bytes/Sec | 0 B | 0 B | 176 kB | 230 kB | 165 kB | 61.1 kB | 103 kB |

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

7k requests in 20.24s, 3.29 MB read
2k errors (0 timeouts)

tomas@DeskTom MINGW64 /c/backend/class32PerformanceTesting (master)
```



Trabajando sobre localhost:8080/api/info CON console.logs():

$ node --prof dist/index.js

$ artillery quick --count 50 -n 20 http://localhost:8080/api/info > artillery_With_Console.txt

- artillery_Without_Console.txt:

Phase started: unnamed (index: 0, duration: 1s) 02:58:06(-0300)

Phase completed: unnamed (index: 0, duration: 1s) 02:58:07(-0300)

Metrics for period to: 02:58:10(-0300) (width: 3.223s)
---

http.codes.200: 175
http.request_rate: 71/sec
http.requests: 225
http.response_time:

  min: 164
  max: 1185
  median: 713.5
  p95: 1153.1
  p99: 1176.4
http.responses: 175
vusers.created: 50
vusers.created_by_name.0: 50

Metrics for period to: 02:58:20(-0300) (width: 9.855s)
---

http.codes.200: 825
http.request_rate: 80/sec
http.requests: 775
http.response_time:
  min: 147
  max: 900
  median: 596
  p95: 804.5
  p99: 854.2
http.responses: 825
vusers.completed: 50
vusers.failed: 0
vusers.session_length:
  min: 11473.6
  max: 12290
  median: 12213.1
  p95: 12213.1
  p99: 12213.1

All VUs finished. Total time: 14 seconds

Summary report @ 02:58:21(-0300)
---

http.codes.200: 1000
http.request_rate: 76/sec
http.requests: 1000
http.response_time:
  min: 147
  max: 1185
  median: 608
  p95: 837.3

```
  p99: ..................................................................... 907
http.responses: ..................................................... 1000
vusers.completed: ..................................................... 50
vusers.created: ..................................................... 50
vusers.created_by_name.0: ..................................................... 50
vusers.failed: ..................................................... 0
vusers.session_length:
  min: ..................................................... 11473.6
  max: ..................................................... 12290
  median: ..................................................... 12213.1
  p95: ..................................................... 12213.1
  p99: ..................................................... 12213.1
```

$ node.exe --prof-process prof_with_console.log > result_prof_with_console.txt

- result_prof_with_console.txt

Statistical profiling result from prof_with_console.log, (12005 ticks, 1 unaccounted, 0 excluded).

```
 [Shared libraries]:
   ticks  total  nonlib   name
  10678   88.9%          C:\WINDOWS\SYSTEM32\ntdll.dll
   1273   10.6%          C:\Program Files\nodejs\node.exe
      8    0.1%          C:\WINDOWS\System32\KERNELBASE.dll
      1    0.0%          C:\WINDOWS\System32\KERNEL32.DLL

 [JavaScript]:
   ticks  total  nonlib   name
     11    0.1%   24.4%  LazyCompile: *resolve node:path:158:10
      3    0.0%    6.7%  LazyCompile: *writeOrBuffer node:internal/streams/writable:365:23
      2    0.0%    4.4%  Function: ^processTicksAndRejections
node:internal/process/task_queues:68:35
      1    0.0%    2.2%  RegExp: ^((?:@[^/\\%]+\/)?[^./\\%][^/\\%]*)(\/.*)?$
      1    0.0%    2.2%  RegExp: ;\s*charset\s*=
      1    0.0%    2.2%  RegExp: ; *([!#$%&'*+.^_`|~0-9A-Za-z-]+) *=
*("(?:[\u000b\u0020\u0021\u0023-\u005b\u005d-\u007e\u0080-\u00ff]|\\[\u000b\u0020-\u00ff
])*"|[!#$%&'*+.^_`|~0-9A-Za-z-]+) *
      1    0.0%    2.2%  LazyCompile: *value node:internal/console/constructor:321:20
      1    0.0%    2.2%  LazyCompile: *value node:internal/console/constructor:258:20
      1    0.0%    2.2%  LazyCompile: *validateString node:internal/validators:118:24
      1    0.0%    2.2%  LazyCompile: *processTicksAndRejections
node:internal/process/task_queues:68:35
      1    0.0%    2.2%  LazyCompile: *nextPart node:fs:2401:31
      1    0.0%    2.2%  LazyCompile: *next
C:\backend\class32PerformanceTesting\node_modules\express\lib\router\index.js:177:16
      1    0.0%    2.2%  LazyCompile: *dirname node:path:653:10
```

```
     1    0.0%    2.2%  LazyCompile: *addListener node:events:618:58
     1    0.0%    2.2%  LazyCompile: *_storeHeader node:_http_outgoing:374:22
     1    0.0%    2.2%  LazyCompile: *Module._load node:internal/modules/cjs/loader:757:24
     1    0.0%    2.2%  Function: ^writeHead
C:\backend\class32PerformanceTesting\node_modules\on-headers\index.js:28:29
     1    0.0%    2.2%  Function: ^trim_prefix
C:\backend\class32PerformanceTesting\node_modules\express\lib\router\index.js:293:23
     1    0.0%    2.2%  Function: ^reduceToSingleString node:internal/util/inspect:1902:30
     1    0.0%    2.2%  Function: ^realpathSync node:fs:2425:22
     1    0.0%    2.2%  Function: ^onwrite
C:\backend\class32PerformanceTesting\node_modules\readable-stream\lib\_stream_writabl
e.js:444:17
     1    0.0%    2.2%  Function: ^generate
C:\backend\class32PerformanceTesting\node_modules\express-session\index.js:363:22
     1    0.0%    2.2%  Function: ^formatWithOptionsInternal node:internal/util/inspect:2048:35
     1    0.0%    2.2%  Function: ^extname node:path:836:10
     1    0.0%    2.2%  Function: ^emit node:events:475:44
     1    0.0%    2.2%  Function: ^createError
C:\backend\class32PerformanceTesting\node_modules\http-errors\index.js:49:22
     1    0.0%    2.2%  Function: ^clearBuffer node:internal/streams/writable:529:21
     1    0.0%    2.2%  Function: ^assign
C:\backend\class32PerformanceTesting\node_modules\fecha\lib\fecha.umd.js:29:18
     1    0.0%    2.2%  Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
     1    0.0%    2.2%  Function: ^DerivedLogger.<computed>
C:\backend\class32PerformanceTesting\node_modules\winston\lib\winston\create-logger.js:7
1:47
     1    0.0%    2.2%  Function: ^<anonymous>
C:\backend\class32PerformanceTesting\dist\services\server.js:27:46

 [C++]:
   ticks  total  nonlib   name

 [Summary]:
   ticks  total  nonlib   name
     44    0.4%   97.8%  JavaScript
      0    0.0%    0.0%  C++
     31    0.3%   68.9%  GC
  11960   99.6%          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
  10678   88.9%  C:\WINDOWS\SYSTEM32\ntdll.dll
    255    2.4%    LazyCompile: *writeOrBuffer node:internal/streams/writable:365:23
    189   74.1%      LazyCompile: *value node:internal/console/constructor:258:20
    189  100.0%        Function: ^log node:internal/console/constructor:359:6
    189  100.0%          C:\Program Files\nodejs\node.exe
    189  100.0%            Function: ^<anonymous>
C:\backend\class32PerformanceTesting\dist\routes\info.js:19:78
     48   18.8%      LazyCompile: *_write node:internal/streams/writable:283:16
     48  100.0%        Function: ^Writable.write node:internal/streams/writable:333:36
     47   97.9%          Function: ^log
C:\backend\class32PerformanceTesting\node_modules\winston\lib\winston\transports\consol
e.js:44:6
     43   91.5%            Function: ^_write
C:\backend\class32PerformanceTesting\node_modules\winston-transport\index.js:69:51
      4    8.5%            LazyCompile: *Writable.write
C:\backend\class32PerformanceTesting\node_modules\readable-stream\lib\_stream_writabl
e.js:288:37
      1    2.1%          Function: ^value node:internal/console/constructor:258:20
      1  100.0%            Function: ^log node:internal/console/constructor:359:6
     18    7.1%      Function: ^_write node:internal/streams/writable:283:16
     18  100.0%        Function: ^Writable.write node:internal/streams/writable:333:36
     14   77.8%          Function: ^value node:internal/console/constructor:258:20
     14  100.0%            Function: ^log node:internal/console/constructor:359:6
      4   22.2%          Function: ^log
C:\backend\class32PerformanceTesting\node_modules\winston\lib\winston\transports\consol
e.js:44:6
      4  100.0%            Function: ^_write
C:\backend\class32PerformanceTesting\node_modules\winston-transport\index.js:69:51
    115    1.1%    C:\Program Files\nodejs\node.exe
      3    2.6%      C:\Program Files\nodejs\node.exe
      1   33.3%        Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\socket.io-parser\node_modules\deb
ug\src\node.js:1:1
      1  100.0%          LazyCompile: *Module._compile
node:internal/modules/cjs/loader:1059:37
      1  100.0%            Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
      1   33.3%        Function: ^Module node:internal/modules/cjs/loader:172:16
      1  100.0%          Function: ^Module._load node:internal/modules/cjs/loader:757:24
      1  100.0%            Function: ^Module.require node:internal/modules/cjs/loader:997:36
      1   33.3%        Function: ^<anonymous>
C:\backend\class32PerformanceTesting\node_modules\mongoose\lib\helpers\pluralize.js:86:
34
      1  100.0%          C:\Program Files\nodejs\node.exe
```

```
      1  100.0%          LazyCompile: ~pluralize
C:\backend\class32PerformanceTesting\node_modules\mongoose\lib\helpers\pluralize.js:82:
19
      2    1.7%      Function: ^onHeaders
C:\backend\class32PerformanceTesting\node_modules\on-headers\index.js:56:20
      2  100.0%        Function: ^session
C:\backend\class32PerformanceTesting\node_modules\express-session\index.js:179:26
      2  100.0%          LazyCompile: *trim_prefix
C:\backend\class32PerformanceTesting\node_modules\express\lib\router\index.js:293:23
      2  100.0%          LazyCompile: *next
C:\backend\class32PerformanceTesting\node_modules\express\lib\router\index.js:177:16

   1273   10.6%  C:\Program Files\nodejs\node.exe
    931   73.1%    C:\Program Files\nodejs\node.exe
    213   22.9%      Function: ^compileFunction node:vm:308:25
    212   99.5%        Function: ^wrapSafe node:internal/modules/cjs/loader:1017:18
    107   50.5%          Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
    102   95.3%            Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
      5    4.7%          LazyCompile: ~Module._extensions..js
node:internal/modules/cjs/loader:1114:37
    103   48.6%          LazyCompile: *Module._compile
node:internal/modules/cjs/loader:1059:37
    103  100.0%            Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
    133   14.3%      Function: ^handleWriteReq node:internal/stream_base_commons:45:24
    133  100.0%        Function: ^writeGeneric node:internal/stream_base_commons:147:22
    133  100.0%          Function: ^Socket._writeGeneric node:net:791:42
    133  100.0%            Function: ^Socket._write node:net:828:35
     73    7.8%      Function: ^realpathSync node:fs:2425:22
     53   72.6%        Function: ^toRealPath node:internal/modules/cjs/loader:393:20
     51   96.2%          Function: ^tryFile node:internal/modules/cjs/loader:384:17
     48   94.1%            Function: ^tryExtensions node:internal/modules/cjs/loader:400:23
      3    5.9%          Function: ^tryPackage node:internal/modules/cjs/loader:338:20
      2    3.8%        Function: ^Module._findPath node:internal/modules/cjs/loader:494:28
      2  100.0%          Function: ^Module._resolveFilename
node:internal/modules/cjs/loader:848:35
     20   27.4%        LazyCompile: *Module._findPath node:internal/modules/cjs/loader:494:28
     20  100.0%          Function: ^Module._resolveFilename
node:internal/modules/cjs/loader:848:35
     15   75.0%            Function: ^Module._load node:internal/modules/cjs/loader:757:24
      5   25.0%            LazyCompile: *Module._load node:internal/modules/cjs/loader:757:24
     31    3.3%      C:\Program Files\nodejs\node.exe
      3    9.7%        Function: ^readPackage node:internal/modules/cjs/loader:290:21
      3  100.0%          Function: ^readPackageScope node:internal/modules/cjs/loader:321:26
      2   66.7%            Function: ^trySelf node:internal/modules/cjs/loader:441:17
      1   33.3%            Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
```

```
    2    6.5%        LazyCompile: *formatRaw node:internal/util/inspect:820:19
    1   50.0%          LazyCompile: *formatValue node:internal/util/inspect:745:21
    1  100.0%            LazyCompile: *inspect node:internal/util/inspect:292:17
    1   50.0%          Function: ^formatValue node:internal/util/inspect:745:21
    1  100.0%            LazyCompile: *inspect node:internal/util/inspect:292:17
    2    6.5%        LazyCompile: *Module._findPath node:internal/modules/cjs/loader:494:28
    2  100.0%          Function: ^Module._resolveFilename
node:internal/modules/cjs/loader:848:35
    1   50.0%            LazyCompile: *Module._load node:internal/modules/cjs/loader:757:24
    1   50.0%            Function: ^Module._load node:internal/modules/cjs/loader:757:24
    2    6.5%        LazyCompile: *<anonymous>
C:\backend\class32PerformanceTesting\node_modules\logform\combine.js:17:10
    2  100.0%          Function: ^_transform
C:\backend\class32PerformanceTesting\node_modules\winston\lib\winston\logger.js:275:13
    1   50.0%            LazyCompile: *Writable.write
C:\backend\class32PerformanceTesting\node_modules\readable-stream\lib\_stream_writabl
e.js:288:37
    1   50.0%            Function: ^Transform._read
C:\backend\class32PerformanceTesting\node_modules\readable-stream\lib\_stream_transfo
rm.js:171:38
    2    6.5%        Function: ^splitRoot node:fs:2375:33
    2  100.0%          Function: ^realpathSync node:fs:2425:22
    2  100.0%            Function: ^toRealPath node:internal/modules/cjs/loader:393:20
    2    6.5%        Function: ^format
C:\backend\class32PerformanceTesting\node_modules\fecha\lib\fecha.umd.js:246:25
    2  100.0%          Function: ^<anonymous>
C:\backend\class32PerformanceTesting\node_modules\logform\timestamp.js:14:25
    2  100.0%            Function: ^<anonymous>
C:\backend\class32PerformanceTesting\node_modules\logform\combine.js:17:10
    2    6.5%        Function: ^Module._findPath node:internal/modules/cjs/loader:494:28
    2  100.0%          Function: ^Module._resolveFilename
node:internal/modules/cjs/loader:848:35
    2  100.0%            Function: ^Module._load node:internal/modules/cjs/loader:757:24
    1    3.2%        LazyCompile: ~x
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\ur\ad
dress\state.js:1:215
    1  100.0%          LazyCompile: ~b
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\ur\ad
dress\state.js:1:388
    1  100.0%            Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\ur\ad
dress\state.js:1:1
    1    3.2%        LazyCompile: ~u
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\nl\ad
dress\state.js:1:215
    1  100.0%          LazyCompile: ~b
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\nl\ad
dress\state.js:1:388
```

```
     1  100.0%          Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\nl\address\state.js:1:1
     1    3.2%      LazyCompile: ~resolvePackageTargetString
node:internal/modules/esm/resolve:507:36
     1  100.0%        LazyCompile: ~resolvePackageTarget
node:internal/modules/esm/resolve:572:30
     1  100.0%          LazyCompile: ~resolvePackageTarget
node:internal/modules/esm/resolve:572:30
     1    3.2%      LazyCompile: ~p
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\nl_BE\address\city.js:1:215
     1  100.0%        LazyCompile: ~y
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\nl_BE\address\city.js:1:388
     1  100.0%          Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\nl_BE\address\city.js:1:1
     1    3.2%      LazyCompile: ~isIPv6 node:internal/net:35:16
     1  100.0%        LazyCompile: ~isIP node:internal/net:39:14
     1  100.0%          LazyCompile: ~lookupAndConnect node:net:1017:26
     1    3.2%      LazyCompile: ~formatProperty node:internal/util/inspect:1810:24
     1  100.0%        LazyCompile: ~formatRaw node:internal/util/inspect:820:19
     1  100.0%          LazyCompile: ~formatValue node:internal/util/inspect:745:21
     1    3.2%      LazyCompile: ~f
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\sk\company\index.js:1:259
     1  100.0%        LazyCompile: ~t
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\sk\company\index.js:1:432
     1  100.0%          Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\@faker-js\faker\dist\cjs\locales\sk\company\index.js:1:1
     1    3.2%      LazyCompile: ~Kareem.filter
C:\backend\class32PerformanceTesting\node_modules\kareem\index.js:435:35
     1  100.0%        LazyCompile: ~applyStaticHooks
C:\backend\class32PerformanceTesting\node_modules\mongoose\lib\helpers\model\applyStaticHooks.js:6:43
     1  100.0%          LazyCompile: ~compile
C:\backend\class32PerformanceTesting\node_modules\mongoose\lib\model.js:5028:33
     1    3.2%      LazyCompile: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\logform\colorize.js:37:49
     1  100.0%        C:\Program Files\nodejs\node.exe
     1  100.0%          LazyCompile: ~addColors
C:\backend\class32PerformanceTesting\node_modules\logform\colorize.js:36:19
     1    3.2%      LazyCompile: *reduceToSingleString node:internal/util/inspect:1902:30
     1  100.0%        LazyCompile: *formatRaw node:internal/util/inspect:820:19
     1  100.0%          LazyCompile: *formatValue node:internal/util/inspect:745:21
```

```
      1    3.2%        Function: ~<anonymous> node:_tls_wrap:1:1
      1  100.0%          Function: ^compileForInternalLoader
node:internal/bootstrap/loaders:299:27
      1  100.0%            Function: ^nativeModuleRequire
node:internal/bootstrap/loaders:332:29
      1    3.2%        Function: ~<anonymous>
C:\backend\class32PerformanceTesting\node_modules\engine.io\node_modules\debug\src\
node.js:1:1
      1  100.0%          LazyCompile: *Module._compile
node:internal/modules/cjs/loader:1059:37
      1  100.0%            Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
      1    3.2%        Function: ^stat node:internal/modules/cjs/loader:151:14
      1  100.0%          Function: ^Module._findPath node:internal/modules/cjs/loader:494:28
      1  100.0%            Function: ^Module._resolveFilename
node:internal/modules/cjs/loader:848:35
      1    3.2%        Function: ^header
C:\backend\class32PerformanceTesting\node_modules\express\lib\response.js:777:29
      1  100.0%          Function: ^json
C:\backend\class32PerformanceTesting\node_modules\express\lib\response.js:250:25
      1  100.0%            Function: ^<anonymous>
C:\backend\class32PerformanceTesting\dist\routes\info.js:19:78
      1    3.2%        Function: ^format
C:\backend\class32PerformanceTesting\node_modules\content-type\index.js:65:17
      1  100.0%          Function: ^setCharset
C:\backend\class32PerformanceTesting\node_modules\express\lib\utils.js:248:41
      1  100.0%            Function: ^send
C:\backend\class32PerformanceTesting\node_modules\express\lib\response.js:111:25
      1    3.2%        Function: ^compileFunction node:vm:308:25
      1  100.0%          Function: ^wrapSafe node:internal/modules/cjs/loader:1017:18
      1  100.0%            Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
     29    3.1%      Function: ^stat node:internal/modules/cjs/loader:151:14
     15   51.7%        Function: ^tryFile node:internal/modules/cjs/loader:384:17
     15  100.0%          Function: ^tryExtensions node:internal/modules/cjs/loader:400:23
     13   86.7%            Function: ^Module._findPath node:internal/modules/cjs/loader:494:28
      2   13.3%            Function: ^tryPackage node:internal/modules/cjs/loader:338:20
     14   48.3%        Function: ^Module._findPath node:internal/modules/cjs/loader:494:28
     14  100.0%          Function: ^Module._resolveFilename
node:internal/modules/cjs/loader:848:35
     14  100.0%            Function: ^Module._load node:internal/modules/cjs/loader:757:24
     17    1.8%      Function: ^compileForInternalLoader
node:internal/bootstrap/loaders:299:27
     15   88.2%        Function: ^nativeModuleRequire node:internal/bootstrap/loaders:332:29
      3   20.0%          Function: ~<anonymous> node:crypto:1:1
      3  100.0%            Function: ^compileForInternalLoader
node:internal/bootstrap/loaders:299:27
      2   13.3%          Function: ~<anonymous> node:http:1:1
```

```
     2  100.0%          Function: ^compileForInternalLoader
node:internal/bootstrap/loaders:299:27
     1    6.7%        LazyCompile: ~initializeCJSLoader
node:internal/bootstrap/pre_execution:477:29
     1  100.0%          LazyCompile: ~prepareMainThreadExecution
node:internal/bootstrap/pre_execution:28:36
     1    6.7%        LazyCompile: ~get node:dns:334:8
     1  100.0%          C:\Program Files\nodejs\node.exe
     1    6.7%        Function: ~<anonymous> node:tls:1:1
     1  100.0%          Function: ^compileForInternalLoader
node:internal/bootstrap/loaders:299:27
     1    6.7%        Function: ~<anonymous> node:internal/process/esm_loader:1:1
     1  100.0%          Function: ^compileForInternalLoader
node:internal/bootstrap/loaders:299:27
     1    6.7%        Function: ~<anonymous> node:internal/modules/esm/loader:1:1
     1  100.0%          Function: ^compileForInternalLoader
node:internal/bootstrap/loaders:299:27
     1    6.7%        Function: ~<anonymous> node:internal/modules/esm/get_format:1:1
     1  100.0%          Function: ^compileForInternalLoader
node:internal/bootstrap/loaders:299:27
     1    6.7%        Function: ~<anonymous> node:internal/modules/esm/fetch_module:1:1
     1  100.0%          Function: ^compileForInternalLoader
node:internal/bootstrap/loaders:299:27
     1    6.7%        Function: ~<anonymous> node:internal/cluster/primary:1:1
     1  100.0%          Function: ^compileForInternalLoader
node:internal/bootstrap/loaders:299:27
     1    6.7%        Function: ~<anonymous> node:internal/child_process:1:1
     1  100.0%          Function: ^compileForInternalLoader
node:internal/bootstrap/loaders:299:27
     1    6.7%        Function: ~<anonymous> node:child_process:1:1
     1  100.0%          Function: ^compileForInternalLoader
node:internal/bootstrap/loaders:299:27
     2   11.8%       Function: ^compileForPublicLoader
node:internal/bootstrap/loaders:246:25
     2  100.0%         Function: ^loadNativeModule node:internal/modules/cjs/helpers:44:26
     2  100.0%          Function: ^Module._load node:internal/modules/cjs/loader:757:24
    14    1.5%     Function: ^writevGeneric node:internal/stream_base_commons:122:23
    14  100.0%       Function: ^Socket._writeGeneric node:net:791:42
    14  100.0%         Function: ^Socket._writev node:net:823:36
    14  100.0%           Function: ^doWrite node:internal/streams/writable:398:17
    14    1.5%     Function: ^cpus node:os:133:14
    14  100.0%       Function: ^<anonymous>
C:\backend\class32PerformanceTesting\dist\routes\info.js:19:78
    14  100.0%         C:\Program Files\nodejs\node.exe
    14  100.0%           Function: ^<anonymous>
C:\backend\class32PerformanceTesting\dist\routes\info.js:4:46
    14    1.5%     Function: ^<anonymous>
C:\backend\class32PerformanceTesting\dist\routes\info.js:19:78
```

```
    13   92.9%        C:\Program Files\nodejs\node.exe
    13  100.0%          Function: ^<anonymous>
C:\backend\class32PerformanceTesting\dist\routes\info.js:4:46
    13  100.0%            C:\Program Files\nodejs\node.exe
     1    7.1%        Function: ^<anonymous>
C:\backend\class32PerformanceTesting\dist\routes\info.js:4:46
     1  100.0%          C:\Program Files\nodejs\node.exe
     1  100.0%            Function: ^__awaiter
C:\backend\class32PerformanceTesting\dist\routes\info.js:2:54
    12    1.3%      Function: ^openSync node:fs:576:18
    12  100.0%        Function: ^readFileSync node:fs:450:22
    12  100.0%          Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
    10   83.3%            Function: ^Module.load node:internal/modules/cjs/loader:969:33
     2   16.7%            LazyCompile: *Module._load node:internal/modules/cjs/loader:757:24
    11    1.2%      Function: ^readSync node:fs:684:18
     9   81.8%        Function: ^tryReadSync node:fs:429:21
     9  100.0%          Function: ^readFileSync node:fs:450:22
     9  100.0%            Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
     2   18.2%        LazyCompile: *readFileSync node:fs:450:22
     2  100.0%          Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
     2  100.0%            Function: ^Module.load node:internal/modules/cjs/loader:969:33
    11    1.2%      Function: ^initialize
C:\backend\class32PerformanceTesting\node_modules\passport\lib\middleware\initialize.js:5
1:29
     5   45.5%        LazyCompile: *trim_prefix
C:\backend\class32PerformanceTesting\node_modules\express\lib\router\index.js:293:23
     5  100.0%          LazyCompile: *next
C:\backend\class32PerformanceTesting\node_modules\express\lib\router\index.js:177:16
     5  100.0%            Function: ^session
C:\backend\class32PerformanceTesting\node_modules\express-session\index.js:179:26
     5   45.5%        Function: ^handle
C:\backend\class32PerformanceTesting\node_modules\express\lib\router\layer.js:86:49
     5  100.0%          Function: ^trim_prefix
C:\backend\class32PerformanceTesting\node_modules\express\lib\router\index.js:293:23
     3   60.0%            Function: ^<anonymous>
C:\backend\class32PerformanceTesting\node_modules\express\lib\router\index.js:280:64
     2   40.0%            LazyCompile: *next
C:\backend\class32PerformanceTesting\node_modules\express\lib\router\index.js:177:16
     1    9.1%        LazyCompile: *handle
C:\backend\class32PerformanceTesting\node_modules\express\lib\router\layer.js:86:49
     1  100.0%          Function: ^trim_prefix
C:\backend\class32PerformanceTesting\node_modules\express\lib\router\index.js:293:23
     1  100.0%            LazyCompile: *next
C:\backend\class32PerformanceTesting\node_modules\express\lib\router\index.js:177:16
    21    1.6%    LazyCompile: *compileFunction node:vm:308:25
```

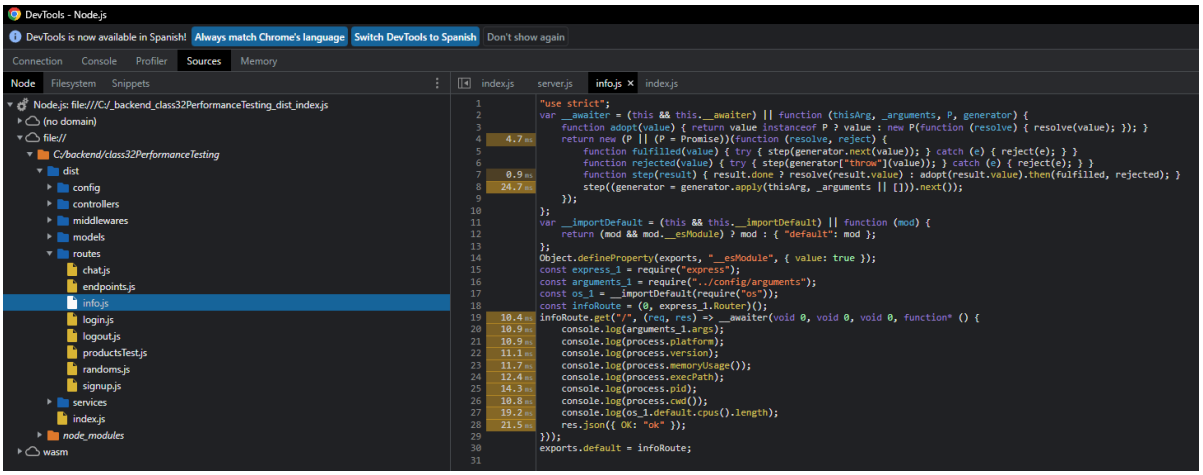
```
    21  100.0%      Function: ^wrapSafe node:internal/modules/cjs/loader:1017:18
    21  100.0%        Function: ^Module._compile node:internal/modules/cjs/loader:1059:37
    21  100.0%          Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37
    16   76.2%            Function: ^Module.load node:internal/modules/cjs/loader:969:33
     5   23.8%            LazyCompile: *Module._load node:internal/modules/cjs/loader:757:24
    14    1.1%    LazyCompile: *writeOrBuffer node:internal/streams/writable:365:23
    10   71.4%      LazyCompile: *value node:internal/console/constructor:258:20
    10  100.0%        Function: ^log node:internal/console/constructor:359:6
    10  100.0%          C:\Program Files\nodejs\node.exe
    10  100.0%            Function: ^<anonymous>
C:\backend\class32PerformanceTesting\dist\routes\info.js:19:78
     4   28.6%      LazyCompile: *_write node:internal/streams/writable:283:16
     4  100.0%        Function: ^Writable.write node:internal/streams/writable:333:36
     3   75.0%          Function: ^log
C:\backend\class32PerformanceTesting\node_modules\winston\lib\winston\transports\consol
e.js:44:6
     2   66.7%          LazyCompile: *Writable.write
C:\backend\class32PerformanceTesting\node_modules\readable-stream\lib\_stream_writabl
e.js:288:37
     1   33.3%          Function: ^_write
C:\backend\class32PerformanceTesting\node_modules\winston-transport\index.js:69:51
     1   25.0%          Function: ^value node:internal/console/constructor:258:20
     1  100.0%            Function: ^log node:internal/console/constructor:359:6
```

$ node --inspect dist/index.js

$ ./scripts/autocannon.sh

Autocannon:

```
tomas@DeskTom MINGW64 /c/backend/class32PerformanceTesting (master)
$ ./scripts/autocannon.sh
Running 20s test @ http://localhost:8080/api/info
100 connections


| Stat | 2.5% | 50% | 97.5% | 99% | Avg | Stdev | Max |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Latency | 811 ms | 5445 ms | 11456 ms | 11482 ms | 5646.9 ms | 2687.01 ms | 11523 ms |

| Stat | 1% | 2.5% | 50% | 97.5% | Avg | Stdev | Min |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Req/Sec | 9 | 9 | 17 | 20 | 16 | 3.04 | 9 |
| Bytes/Sec | 2.41 kB | 2.41 kB | 4.56 kB | 5.36 kB | 4.29 kB | 813 B | 2.41 kB |

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

455 requests in 20.32s, 85.8 kB read
35 errors (0 timeouts)
```

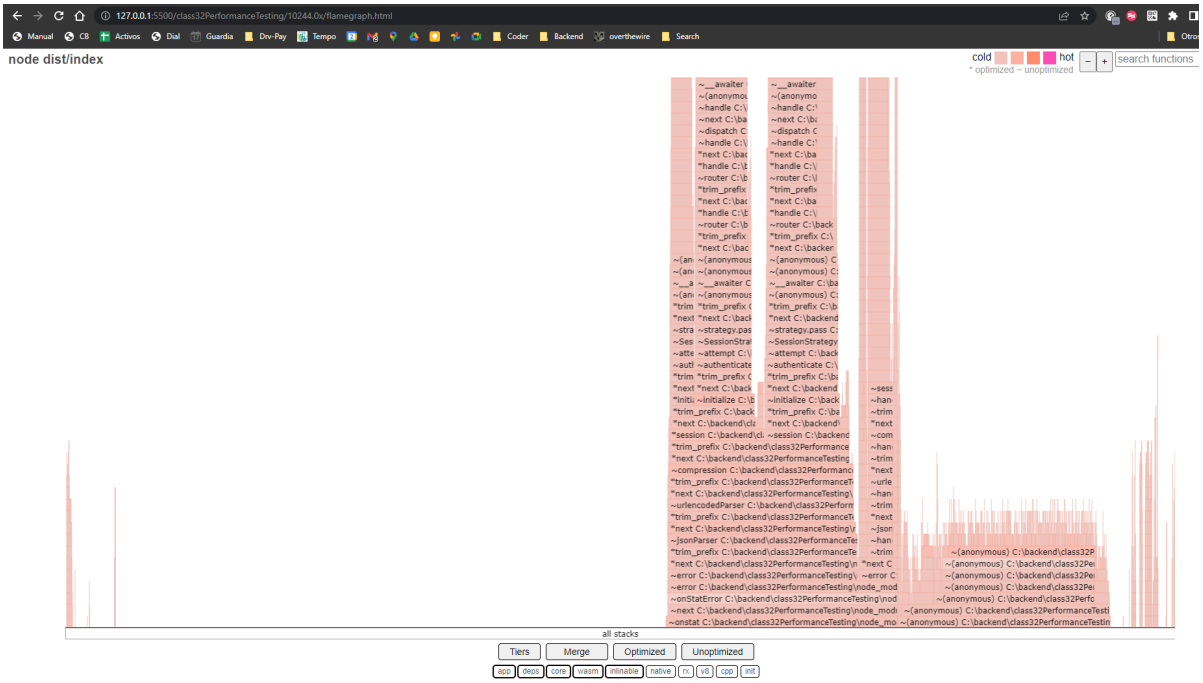


$ 0x dist/index

$ ./scripts/autocannon.sh

Autocannon:

```
tomas@DeskTom MINGW64 /c/backend/class32PerformanceTesting (master)
$ ./scripts/autocannon.sh
Running 20s test @ http://localhost:8080/api/info
100 connections


| Stat | 2.5% | 50% | 97.5% | 99% | Avg | Stdev | Max |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Latency | 9772 ms | 13767 ms | 17428 ms | 17581 ms | 13762.68 ms | 2308.87 ms | 17661 ms |

| Stat | 1% | 2.5% | 50% | 97.5% | Avg | Stdev | Min |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Req/Sec | 0 | 0 | 165 | 267 | 127.9 | 118.11 | 165 |
| Bytes/Sec | 0 B | 0 B | 44.2 kB | 71.6 kB | 34.3 kB | 31.7 kB | 44.2 kB |

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

14k requests in 20.4s, 686 kB read
11k errors (0 timeouts)
```


127.0.0.1:5500/class32PerformanceTesting/10244.0x/flamegraph.html
node dist/index
cold
hot
* optimized – unoptimized
search functions
all stacks
Tiers
Merge
Optimized
Unoptimized
app
deps
core
wasm
mlinable
native
rx
v8
cpp
init