Running scenarios...

Phase started: unnamed (index: 0, duration: 1s) 20:21:25(-0300)

Phase completed: unnamed (index: 0, duration: 1s) 20:21:26(-0300)

Metrics for period to: 20:21:30(-0300) (width: 4.241s)

----

http.codes.200: 208

http.request_rate: 55/sec

http.requests: 231

http.response_time:

  min: 3

  max: 1088

  median: 407.5

  p95: 757.6

  p99: 925.4

http.responses: 208

vusers.created: 50

vusers.created_by_name.0: 50

All VUs finished. Total time: 25 seconds

Summary report @ 20:21:49(-0300)

----

http.codes.200: 1000

http.request_rate: 24/sec

http.requests: 1000

http.response_time:

  min: 3

  max: 1980

  median: 772.9

  p95: 963.1

  p99: 1863.5

http.responses: 1000

vusers.completed: 50

vusers.created: 50

vusers.created_by_name.0: 50

vusers.failed: 0

vusers.session_length:

  min: 18858.1

  max: 21035

  median: 19737.6

  p95: 20543.1

  p99: 20543.1

Statistical profiling result from Result-v8.log, (6413 ticks, 0 unaccounted, 0 excluded).

 [Shared libraries]:

  ticks total nonlib name

  5651 88.1%   C:\Windows\SYSTEM32\ntdll.dll

  727 11.3%   C:\Program Files\nodejs\node.exe

  4 0.1%   C:\Windows\System32\KERNELBASE.dll

```
    1    0.0%         C:\Windows\system32\mswsock.dll

    1    0.0%         C:\Windows\System32\KERNEL32.DLL


 [JavaScript]:

  ticks  total  nonlib  name

    3    0.0%   10.3%  LazyCompile: *resolve node:path:158:10

    1    0.0%    3.4%  RegExp: ;\s*charset\s*=

    1    0.0%    3.4%  RegExp: ;(\s*$)

    1    0.0%    3.4%  LazyCompile: *write node:buffer:1051:40

    1    0.0%    3.4%  LazyCompile: *stat node:internal/modules/cjs/loader:151:14

    1    0.0%    3.4%  LazyCompile: *serializeInto
D:\Coder\backend\Entregas\entrega15\node_modules\bson\lib\parser\serializer.js:553:23

    1    0.0%    3.4%  LazyCompile: *nextTick node:internal/process/task_queues:104:18

    1    0.0%    3.4%  LazyCompile: *deserializeObject
D:\Coder\backend\Entregas\entrega15\node_modules\bson\lib\parser\deserializer.js:65:27

    1    0.0%    3.4%  LazyCompile: *_unrefTimer node:net:431:52

    1    0.0%    3.4%  LazyCompile: *Hash node:internal/crypto/hash:58:14

    1    0.0%    3.4%  Function: ^writeGeneric node:internal/stream_base_commons:147:22

    1    0.0%    3.4%  Function: ^readableAddChunk
D:\Coder\backend\Entregas\entrega15\node_modules\winston\node_modules\readable-
stream\lib\_stream_readable.js:249:26

    1    0.0%    3.4%  Function: ^readFileSync node:fs:450:22

    1    0.0%    3.4%  Function: ^processTimers node:internal/timers:487:25

    1    0.0%    3.4%  Function: ^popAsyncContext node:internal/async_hooks:554:25

    1    0.0%    3.4%  Function: ^normalize node:path:304:12

    1    0.0%    3.4%  Function: ^maybeCacheSourceMap
node:internal/source_map/source_map_cache:74:29

    1    0.0%    3.4%  Function: ^makeRequireFunction node:internal/modules/cjs/helpers:58:29

    1    0.0%    3.4%  Function: ^insert node:internal/timers:350:16

    1    0.0%    3.4%  Function: ^inflate
D:\Coder\backend\Entregas\entrega15\node_modules\express-session\index.js:371:22

    1    0.0%    3.4%  Function: ^handleWriteReq node:internal/stream_base_commons:45:24

    1    0.0%    3.4%  Function: ^get readPreference
D:\Coder\backend\Entregas\entrega15\node_modules\mongodb\lib\collection.js:112:23
```

1   0.0%   3.4% Function: ^get
D:\Coder\backend\Entregas\entrega15\node_modules\mongodb\lib\promise_provider.js:46:15

1   0.0%   3.4% Function: ^finishMaybe node:internal/streams/writable:731:21

1   0.0%   3.4% Function: ^deserialize
D:\Coder\backend\Entregas\entrega15\node_modules\bson\lib\parser\deserializer.js:36:21

1   0.0%   3.4% Function: ^SessionStrategy.authenticate
D:\Coder\backend\Entregas\entrega15\node_modules\passport\lib\strategies\session.js:45:50

1   0.0%   3.4% Function: ^Long.isLong
D:\Coder\backend\Entregas\entrega15\node_modules\bson\lib\long.js:236:28

[C++]:
 ticks total nonlib   name

[Summary]:
 ticks total nonlib   name

  29   0.5% 100.0% JavaScript

   0   0.0%   0.0% C++

  40   0.6% 137.9% GC

 6384   99.5%   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

 5651 88.1% C:\Windows\SYSTEM32\ntdll.dll

727 11.3% C:\Program Files\nodejs\node.exe

440 60.5% C:\Program Files\nodejs\node.exe

67 15.2%   Function: ^compileFunction node:vm:308:25

66 98.5%   Function: ^wrapSafe node:internal/modules/cjs/loader:1017:18

66 100.0%   Function: ^Module._compile node:internal/modules/cjs/loader:1059:37

64 97.0%   Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37

2 3.0%   LazyCompile: ~Module._extensions..js
node:internal/modules/cjs/loader:1114:37

1 1.5%   LazyCompile: ~wrapSafe node:internal/modules/cjs/loader:1017:18

1 100.0%   LazyCompile: ~Module._compile node:internal/modules/cjs/loader:1059:37

1 100.0%   LazyCompile: ~Module._extensions..js
node:internal/modules/cjs/loader:1114:37

48 10.9%   Function: ^handleWriteReq node:internal/stream_base_commons:45:24

29 60.4%   LazyCompile: *writeOrBuffer node:internal/streams/writable:365:23

15 51.7%   LazyCompile: *_write node:internal/streams/writable:283:16

15 100.0%   Function: ^Writable.write node:internal/streams/writable:333:36

7 24.1%   LazyCompile: *ondata node:internal/streams/readable:752:18

7 100.0%   LazyCompile: *readableAddChunk node:internal/streams/readable:236:26

7 24.1%   Function: ^_write node:internal/streams/writable:283:16

7 100.0%   Function: ^Writable.write node:internal/streams/writable:333:36

19 39.6%   Function: ^writeGeneric node:internal/stream_base_commons:147:22

19 100.0%   Function: ^Socket._writeGeneric node:net:791:42

19 100.0%   Function: ^Socket._write node:net:828:35

34 7.7%   Function: ^realpathSync node:fs:2425:22

29 85.3%   Function: ^toRealPath node:internal/modules/cjs/loader:393:20

28 96.6%   Function: ^tryFile node:internal/modules/cjs/loader:384:17

25 89.3%   Function: ^tryExtensions node:internal/modules/cjs/loader:400:23

2 7.1%   LazyCompile: *Module._findPath node:internal/modules/cjs/loader:494:28

1 3.6%   LazyCompile: ~finalizeEsmResolution
node:internal/modules/cjs/loader:939:31

1 3.4%   Function: ^Module._findPath node:internal/modules/cjs/loader:494:28

1 100.0%   Function: ^Module._resolveFilename
node:internal/modules/cjs/loader:848:35

5 14.7%   LazyCompile: *Module._findPath node:internal/modules/cjs/loader:494:28

5 100.0%   Function: ^Module._resolveFilename
node:internal/modules/cjs/loader:848:35

5 100.0%   LazyCompile: *Module._load node:internal/modules/cjs/loader:757:24

33 7.5%   Function: ^stat node:internal/modules/cjs/loader:151:14

22 66.7%   Function: ^Module._findPath node:internal/modules/cjs/loader:494:28

20 90.9%   Function: ^Module._resolveFilename
node:internal/modules/cjs/loader:848:35

20 100.0%   Function: ^Module._load node:internal/modules/cjs/loader:757:24

2 9.1%   LazyCompile: ~Module._resolveFilename
node:internal/modules/cjs/loader:848:35

2 100.0%   Function: ^Module._load node:internal/modules/cjs/loader:757:24

10 30.3%   Function: ^tryFile node:internal/modules/cjs/loader:384:17

10 100.0%   Function: ^tryExtensions node:internal/modules/cjs/loader:400:23

7 70.0%   Function: ^Module._findPath node:internal/modules/cjs/loader:494:28

3 30.0%   Function: ^tryPackage node:internal/modules/cjs/loader:338:20

1 3.0%   LazyCompile: ~Module._findPath node:internal/modules/cjs/loader:494:28

1 100.0%   LazyCompile: ~Module._resolveFilename
node:internal/modules/cjs/loader:848:35

1 100.0%   LazyCompile: ~Module._load node:internal/modules/cjs/loader:757:24

20 4.5%   Function: ^statSync node:fs:1543:18

20 100.0%   Function: ^tryStat
D:\Coder\backend\Entregas\entrega15\node_modules\express\lib\view.js:174:17

20 100.0%   Function: ^resolve
D:\Coder\backend\Entregas\entrega15\node_modules\express\lib\view.js:146:42

20 100.0%   Function: ^lookup
D:\Coder\backend\Entregas\entrega15\node_modules\express\lib\view.js:104:40

11 2.5%   Function: ^openSync node:fs:576:18

11 100.0%   Function: ^readFileSync node:fs:450:22

11 100.0%   Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37

6 54.5%   Function: ^Module.load node:internal/modules/cjs/loader:969:33

5   45.5%   LazyCompile: *Module._load node:internal/modules/cjs/loader:757:24

   11   2.5%   C:\Program Files\nodejs\node.exe

    1   9.1%   LazyCompile: ~x
D:\Coder\backend\Entregas\entrega15\node_modules\@faker-
js\faker\dist\cjs\locales\ge\name\prefix.js:1:215

    1 100.0%   LazyCompile: ~b
D:\Coder\backend\Entregas\entrega15\node_modules\@faker-
js\faker\dist\cjs\locales\ge\name\prefix.js:1:388

    1 100.0%   Function: ~<anonymous>
D:\Coder\backend\Entregas\entrega15\node_modules\@faker-
js\faker\dist\cjs\locales\ge\name\prefix.js:1:1

    1   9.1%   LazyCompile: ~Connection.openUri
D:\Coder\backend\Entregas\entrega15\node_modules\mongoose\lib\connection.js:680:40

    1 100.0%   LazyCompile: ~<anonymous>
D:\Coder\backend\Entregas\entrega15\node_modules\mongoose\lib\index.js:380:49

    1 100.0%   LazyCompile: ~<anonymous>
D:\Coder\backend\Entregas\entrega15\node_modules\mongoose\lib\helpers\promiseOrCallb
ack.js:40:22

    1   9.1%   LazyCompile: *scanLine
D:\Coder\backend\Entregas\entrega15\node_modules\ejs\lib\ejs.js:815:22

    1 100.0%   Function: ^<anonymous>
D:\Coder\backend\Entregas\entrega15\node_modules\ejs\lib\ejs.js:742:32

    1 100.0%   C:\Program Files\nodejs\node.exe

    1   9.1%   LazyCompile: *processTicksAndRejections
node:internal/process/task_queues:68:35

    1   9.1%   LazyCompile: *deserializeObject
D:\Coder\backend\Entregas\entrega15\node_modules\bson\lib\parser\deserializer.js:65:27

    1 100.0%   LazyCompile: *deserializeObject
D:\Coder\backend\Entregas\entrega15\node_modules\bson\lib\parser\deserializer.js:65:27

    1 100.0%   Function: ^deserialize
D:\Coder\backend\Entregas\entrega15\node_modules\bson\lib\parser\deserializer.js:36:21

    1   9.1%   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: ^trySelf node:internal/modules/cjs/loader:441:17

    1   9.1%   Function: ^isRegExp
D:\Coder\backend\Entregas\entrega15\node_modules\qs\lib\utils.js:214:33

1 100.0%   Function: ^normalizeParseOptions
D:\Coder\backend\Entregas\entrega15\node_modules\qs\lib\parse.js:204:59

1 100.0%   Function: ^module.exports
D:\Coder\backend\Entregas\entrega15\node_modules\qs\lib\parse.js:239:27

1 9.1%   Function: ^exports.escapeXML
D:\Coder\backend\Entregas\entrega15\node_modules\ejs\lib\utils.js:96:30

1 100.0%   Function: ^<anonymous> :1:20

1 100.0%   Function: ^anonymous
D:\Coder\backend\Entregas\entrega15\node_modules\ejs\lib\ejs.js:695:59

1 9.1%   Function: ^createRegex
D:\Coder\backend\Entregas\entrega15\node_modules\ejs\lib\ejs.js:560:25

1 100.0%   Function: ^Template
D:\Coder\backend\Entregas\entrega15\node_modules\ejs\lib\ejs.js:509:18

1 100.0%   Function: ^compile
D:\Coder\backend\Entregas\entrega15\node_modules\ejs\lib\ejs.js:381:35

1 9.1%   Function: ^<anonymous>
D:\Coder\backend\Entregas\entrega15\node_modules\mongodb\lib\cmap\connection_pool.js:286:27

1 100.0%   Function: ^<anonymous>
D:\Coder\backend\Entregas\entrega15\node_modules\mongodb\lib\sdam\server.js:213:101

1 100.0%   Function: ^handleOperationResult
D:\Coder\backend\Entregas\entrega15\node_modules\mongodb\lib\sdam\server.js:285:42

1 9.1%   C:\Program Files\nodejs\node.exe

1 100.0%   Function: ^<anonymous>
D:\Coder\backend\Entregas\entrega15\node_modules\connect-mongo\build\main\lib\MongoStore.js:236:10

1 100.0%   Function: ^set
D:\Coder\backend\Entregas\entrega15\node_modules\connect-mongo\build\main\lib\MongoStore.js:234:8

8 1.8%   Function: ^writevGeneric node:internal/stream_base_commons:122:23

8 100.0%   Function: ^Socket._writeGeneric node:net:791:42

8 100.0%   Function: ^Socket._writev node:net:823:36

8 100.0%   Function: ^doWrite node:internal/streams/writable:398:17

6 1.4%   Function: ^initialize
D:\Coder\backend\Entregas\entrega15\node_modules\passport\lib\middleware\initialize.js:51:29

5   83.3%   Function: ^handle
D:\Coder\backend\Entregas\entrega15\node_modules\express\lib\router\layer.js:86:49

   5   100.0%   Function: ^trim_prefix
D:\Coder\backend\Entregas\entrega15\node_modules\express\lib\router\index.js:293:23

   4   80.0%   LazyCompile: *next
D:\Coder\backend\Entregas\entrega15\node_modules\express\lib\router\index.js:177:16

   1   20.0%   Function: ^<anonymous>
D:\Coder\backend\Entregas\entrega15\node_modules\express\lib\router\index.js:280:64

   1   16.7%   LazyCompile: *trim_prefix
D:\Coder\backend\Entregas\entrega15\node_modules\express\lib\router\index.js:293:23

   1   100.0%   LazyCompile: *next
D:\Coder\backend\Entregas\entrega15\node_modules\express\lib\router\index.js:177:16

   1   100.0%   Function: ^<anonymous>
D:\Coder\backend\Entregas\entrega15\node_modules\express-session\index.js:485:38

   5   1.1%   Function: ^send
D:\Coder\backend\Entregas\entrega15\node_modules\express\lib\response.js:111:25

   5   100.0%   Function: ^done
D:\Coder\backend\Entregas\entrega15\node_modules\express\lib\response.js:1033:27

   5   100.0%   Function: ^tryHandleCache
D:\Coder\backend\Entregas\entrega15\node_modules\ejs\lib\ejs.js:254:24

   5   100.0%   Function: ^exports.renderFile
D:\Coder\backend\Entregas\entrega15\node_modules\ejs\lib\ejs.js:441:31

   5   1.1%   Function: ^readSync node:fs:684:18

   4   80.0%   Function: ^tryReadSync node:fs:429:21

   4   100.0%   Function: ^readFileSync node:fs:450:22

   4   100.0%   Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37

   1   20.0%   LazyCompile: *readFileSync node:fs:450:22

   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

   5   1.1%   Function: ^compileForInternalLoader node:internal/bootstrap/loaders:299:27

   4   80.0%   Function: ^nativeModuleRequire node:internal/bootstrap/loaders:332:29

   1   25.0%   Function: ~<anonymous> node:internal/process/esm_loader:1:1

   1   100.0%   Function: ^compileForInternalLoader
node:internal/bootstrap/loaders:299:27

1 25.0%   Function: ~<anonymous> node:internal/crypto/hkdf:1:1

1 100.0%   Function: ^compileForInternalLoader
node:internal/bootstrap/loaders:299:27

1 25.0%   Function: ~<anonymous> node:http:1:1

1 100.0%   Function: ^compileForInternalLoader
node:internal/bootstrap/loaders:299:27

1 25.0%   Function: ~<anonymous> node:_tls_wrap:1:1

1 100.0%   Function: ^compileForInternalLoader
node:internal/bootstrap/loaders:299:27

1 20.0%   Function: ^compileForPublicLoader node:internal/bootstrap/loaders:246:25

1 100.0%   Function: ^loadNativeModule node:internal/modules/cjs/helpers:44:26

1 100.0%   Function: ^Module._load node:internal/modules/cjs/loader:757:24

46 6.3%   LazyCompile: *compileFunction node:vm:308:25

46 100.0%   Function: ^wrapSafe node:internal/modules/cjs/loader:1017:18

27 58.7%   LazyCompile: *Module._compile node:internal/modules/cjs/loader:1059:37

27 100.0%   Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37

27 100.0%   LazyCompile: *Module._load node:internal/modules/cjs/loader:757:24

19 41.3%   Function: ^Module._compile node:internal/modules/cjs/loader:1059:37

19 100.0%   Function: ^Module._extensions..js
node:internal/modules/cjs/loader:1114:37

19 100.0%   LazyCompile: *Module._load node:internal/modules/cjs/loader:757:24

```
cbeve@DESKTOP-Q80QE30 MINGW64 /d/Coder/backend/Entregas/entrega15 (master)
$ npm test

> entrega6@1.0.0 test
> node benchmark.js

Running all benchmarks in parallei...
Running 20s test @ http://localhost:8080/info
100 connections
```
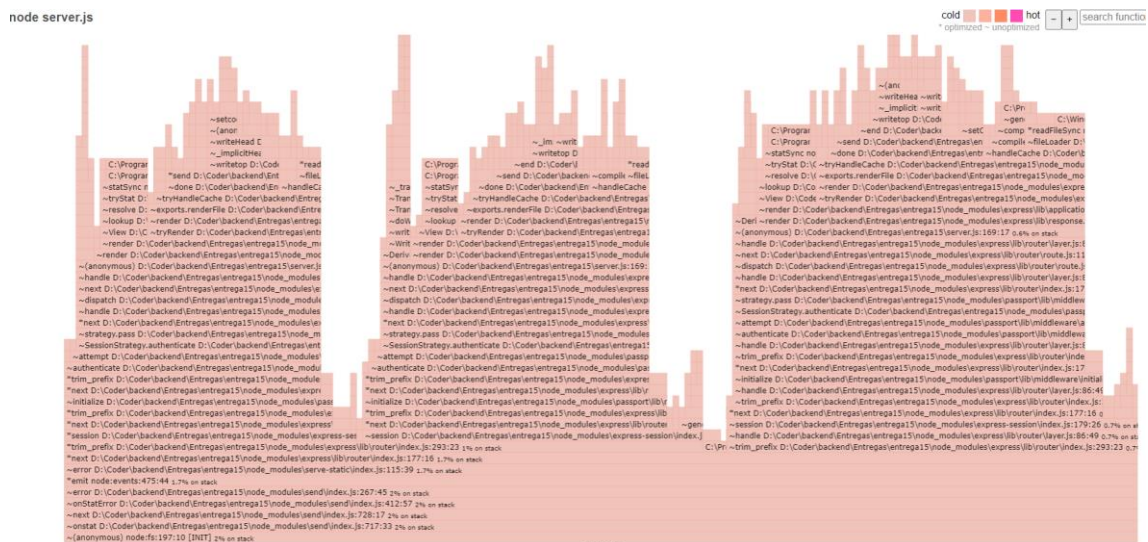
Stat	2.5%	50%	97.5%	99%	Avg	Stdev	Max
Latency	773 ms	1003 ms	1809 ms	2007 ms	1053.89 ms	234.02 ms	2892 ms

Stat	1%	2.5%	50%	97.5%	Avg	Stdev	Min
Req/Sec	22	22	95	97	91.05	15.9	22
Bytes/Sec	23.2 kB	23.2 kB	100 kB	102 kB	95.9 kB	16.7 kB	23.2 kB

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

2k requests in 20.21s, 1.92 MB read
```


Como conclusion de este informe es que debo trabajar sobre los procesos bloqueantes y las conexiones a los servidores de base de datos para optimizar el tiempo de carga.