# ANÁLISIS COMPLETO DE PERFORMANCE

A) Vamos a trabajar sobre la ruta '/info', en modo fork, agregando ó extrayendo un console.log de la información colectada antes de devolverla al cliente. Además desactivaremos el child\_process de la ruta '/randoms'.

Para ambas condiciones (con o sin console.log) en la ruta '/info' OBTENER:

- a. El perfilamiento del servidor, realizando el test con --prof de node.js. Analizar los resultados obtenidos luego de procesarlos con --prof-process.
   Utilizaremos como test de carga Artillery en línea de comandos, emulando 50 conexiones concurrentes con 20 request por cada una.
- b. Resultados Prof

```
1 \sim \text{Statistical profiling result from bloq-v8.log, (23173 ticks, 3 unaccounted, 0 excluded)}
3 ∨ [Shared libraries]:
      ticks total nonlib name
     22611 97.6% C:\WINDOWS\SYSTEM32\ntdll.dll
      511 2.2% C:\Program Files\nodejs\node.exe
       6 0.0% C:\WINDOWS\System32\KERNELBASE.dll
      5 0.0% C:\WINDOWS\System32\KERNEL32.DLL
10 ∨ [JavaScript]:
      ticks total nonlib name
43 ∨ [C++]:
     ticks total nonlib name
46 ∨ [Summary]:
47 v ticks total nonlib name
       37 0.2% 92.5% JavaScript 0 0.0% 0.0% C++
48 🗸
     25
           0.1% 62.5% GC
51 v 23133 99.8% Shared libraries
     3 0.0% Unaccounted
```

```
| Statistical profiling result from nobloq-v8.log, (5370 ticks, 0 unaccounted, 0 excluded)
| Statistical profiling result from nobloq-v8.log, (5370 ticks, 0 unaccounted, 0 excluded)
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| Statistical profiling result from nobloq-v8.log, (5370 ticks, 0 unaccounted, 0 unaccounted,
```

#### c. Resultado Artillery

## Con console.log()

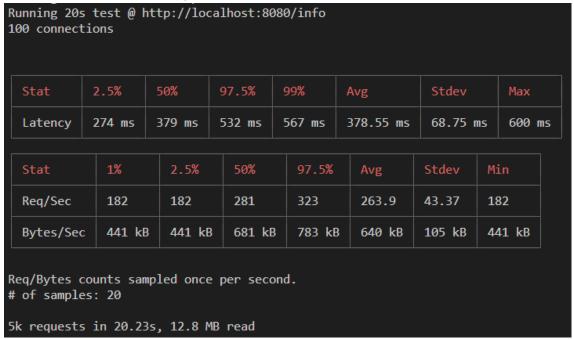
```
Summary report @ 02:07:37(-0300)
http.codes.200:
v http.response time:
vusers.completed: ..... 50
vusers.session_length:
```

#### Sin console.log()

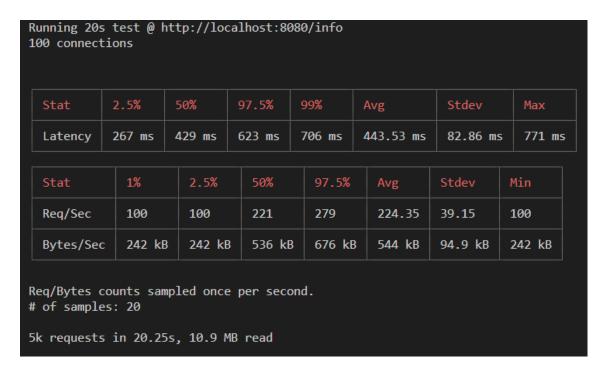
```
Summary report @ 02:18:57(-0300)
http.codes.200:
v http.response time:
vusers.created_by_name.0: ..... 50
vusers.failed: .... 0
∨ vusers.session_length:
```

B) Luego utilizaremos Autocannon en línea de comandos, emulando 100 conexiones concurrentes realizadas en un tiempo de 20 segundos. Extraer un reporte con los resultados (puede ser un print screen de la consola).

## a. Resumen Autocannon No Bloqueante



#### b. Resumen Autocannon Bloqueante



# C) Flame Graph 0x

a. Con console.log()

