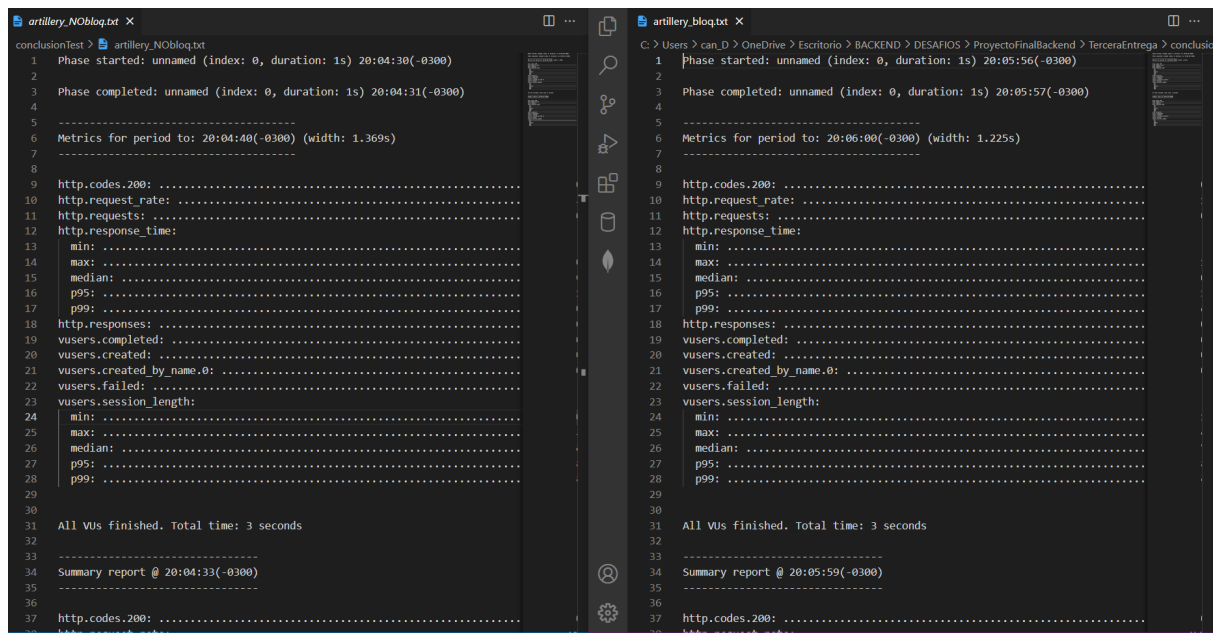


### Análisis de performance con test bloqueante y no bloqueante con artillery:

1. Inicio el servidor en modo profiler: con **node --prof server.js**
2. ingreso al navegador para generar la petición
3. Realizó el test de carga con Artillery con línea de comando: **artillery quick -c 50 -n 20 "http://localhost:8080/infoNoBloq">artillery\_NObloq.txt**
4. Cerramos la terminal y renombramos el archivo Isolate generado como **"no\_bloq-v8.log"**
5. Iniciamos **node --prof server.js**
6. Ingreso al navegador para generar la petición
7. Realizó el test de carga con Artillery con línea de comando: **artillery quick -c 50 -n 20 "http://localhost:8080/infoBloq">artillery\_bloq.txt**
8. Cerramos la terminal y renombramos el archivo Isolate generado como **"bloq-v8.log"**
9. Decodificamos los dos archivos .log que se crearon:  
**node.exe --prof-proces bloq-v8.log > result\_prof-bloq.txt**  
**node.exe --prof-proces no\_bloq-v8.log > result\_prof-no\_bloq.txt**



The image shows two side-by-side terminal windows displaying the output of Artillery tests. The left window is titled 'artillery\_NObloq.txt' and shows the results of a test against 'http://localhost:8080/infoNoBloq'. The right window is titled 'artillery\_bloq.txt' and shows the results of a test against 'http://localhost:8080/infoBloq'. Both tests were run with 50 concurrent users for 20 iterations. The 'no\_bloq' test completed in 1.369s, while the 'bloq' test completed in 1.225s. Both tests show similar metrics for HTTP codes, request rate, response time, and user sessions.

```
artillery_NObloq.txt
1 conclusionTest > artillery_NObloq.txt
2 1 Phase started: unnamed (index: 0, duration: 1s) 20:04:30(-0300)
3 2
4 3 Phase completed: unnamed (index: 0, duration: 1s) 20:04:31(-0300)
5 4
6 5 -----
7 6 Metrics for period to: 20:04:40(-0300) (width: 1.369s)
8 7
9 8 http.codes.200: .....
10 9 http.request_rate: .....
11 10 http.requests: .....
12 11 http.response_time: .....
13 12 min: .....
14 13 max: .....
15 14 median: .....
16 15 p95: .....
17 16 p99: .....
18 17 http.responses: .....
19 18 vusers.completed: .....
20 19 vusers.created: .....
21 20 vusers.created_by_name.0: .....
22 21 vusers.failed: .....
23 22 vusers.session_length: .....
24 23 min: .....
25 24 max: .....
26 25 median: .....
27 26 p95: .....
28 27 p99: .....
29 28
30 29
31 30 All VUs finished. Total time: 3 seconds
32 31
33 32 -----
34 33 Summary report @ 20:04:33(-0300)
35 34
36 35 -----
37 36 http.codes.200: .....
38 37 http.request_rate: .....
39 38 http.requests: .....
40 39 http.response_time: .....
41 40 min: .....
42 41 max: .....
43 42 median: .....
44 43 p95: .....
45 44 p99: .....
46 45 http.responses: .....
47 46 vusers.completed: .....
48 47 vusers.created: .....
49 48 vusers.created_by_name.0: .....
50 49 vusers.failed: .....
51 50 vusers.session_length: .....
52 51 min: .....
53 52 max: .....
54 53 median: .....
55 54 p95: .....
56 55 p99: .....
57 56
58 57
59 58 All VUs finished. Total time: 3 seconds
60 59
61 60 -----
62 61 Summary report @ 20:04:33(-0300)
63 62
64 63 -----
65 64 http.codes.200: .....
66 65 http.request_rate: .....
67 66 http.requests: .....
68 67 http.response_time: .....
69 68 min: .....
70 69 max: .....
71 70 median: .....
72 71 p95: .....
73 72 p99: .....
74 73 http.responses: .....
75 74 vusers.completed: .....
76 75 vusers.created: .....
77 76 vusers.created_by_name.0: .....
78 77 vusers.failed: .....
79 78 vusers.session_length: .....
80 79 min: .....
81 80 max: .....
82 81 median: .....
83 82 p95: .....
84 83 p99: .....
85 84
86 85
87 86 All VUs finished. Total time: 3 seconds
88 87
89 88 -----
90 89 Summary report @ 20:04:33(-0300)
91 90
92 91 -----
93 92 http.codes.200: .....
94 93 http.request_rate: .....
95 94 http.requests: .....
96 95 http.response_time: .....
97 96 min: .....
98 97 max: .....
99 98 median: .....
100 99 p95: .....
101 100 p99: .....
102 101 http.responses: .....
103 102 vusers.completed: .....
104 103 vusers.created: .....
105 104 vusers.created_by_name.0: .....
106 105 vusers.failed: .....
107 106 vusers.session_length: .....
108 107 min: .....
109 108 max: .....
110 109 median: .....
111 110 p95: .....
112 111 p99: .....
113 112
114 113
115 114 All VUs finished. Total time: 3 seconds
116 115
117 116 -----
118 117 Summary report @ 20:04:33(-0300)
119 118
120 119 -----
121 120 http.codes.200: .....
122 121 http.request_rate: .....
123 122 http.requests: .....
124 123 http.response_time: .....
125 124 min: .....
126 125 max: .....
127 126 median: .....
128 127 p95: .....
129 128 p99: .....
130 129 http.responses: .....
131 130 vusers.completed: .....
132 131 vusers.created: .....
133 132 vusers.created_by_name.0: .....
134 133 vusers.failed: .....
135 134 vusers.session_length: .....
136 135 min: .....
137 136 max: .....
138 137 median: .....
139 138 p95: .....
140 139 p99: .....
141 140
142 141
143 142 All VUs finished. Total time: 3 seconds
144 143
145 144 -----
146 145 Summary report @ 20:04:33(-0300)
147 146
148 147 -----
149 148 http.codes.200: .....
150 149 http.request_rate: .....
151 150 http.requests: .....
152 151 http.response_time: .....
153 152 min: .....
154 153 max: .....
155 154 median: .....
156 155 p95: .....
157 156 p99: .....
158 157 http.responses: .....
159 158 vusers.completed: .....
160 159 vusers.created: .....
161 160 vusers.created_by_name.0: .....
162 161 vusers.failed: .....
163 162 vusers.session_length: .....
164 163 min: .....
165 164 max: .....
166 165 median: .....
167 166 p95: .....
168 167 p99: .....
169 168
170 169
171 170 All VUs finished. Total time: 3 seconds
172 171
173 172 -----
174 173 Summary report @ 20:04:33(-0300)
175 174
176 175 -----
177 176 http.codes.200: .....
178 177 http.request_rate: .....
179 178 http.requests: .....
180 179 http.response_time: .....
181 180 min: .....
182 181 max: .....
183 182 median: .....
184 183 p95: .....
185 184 p99: .....
186 185 http.responses: .....
187 186 vusers.completed: .....
188 187 vusers.created: .....
189 188 vusers.created_by_name.0: .....
190 189 vusers.failed: .....
191 190 vusers.session_length: .....
192 191 min: .....
193 192 max: .....
194 193 median: .....
195 194 p95: .....
196 195 p99: .....
197 196
198 197
199 198 All VUs finished. Total time: 3 seconds
200 199
201 200 -----
202 201 Summary report @ 20:04:33(-0300)
203 202
204 203 -----
205 204 http.codes.200: .....
206 205 http.request_rate: .....
207 206 http.requests: .....
208 207 http.response_time: .....
209 208 min: .....
210 209 max: .....
211 210 median: .....
212 211 p95: .....
213 212 p99: .....
214 213 http.responses: .....
215 214 vusers.completed: .....
216 215 vusers.created: .....
217 216 vusers.created_by_name.0: .....
218 217 vusers.failed: .....
219 218 vusers.session_length: .....
220 219 min: .....
221 220 max: .....
222 221 median: .....
223 222 p95: .....
224 223 p99: .....
225 224
226 225
227 226 All VUs finished. Total time: 3 seconds
228 227
229 228 -----
230 229 Summary report @ 20:04:33(-0300)
231 230
232 231 -----
233 232 http.codes.200: .....
234 233 http.request_rate: .....
235 234 http.requests: .....
236 235 http.response_time: .....
237 236 min: .....
238 237 max: .....
239 238 median: .....
240 239 p95: .....
241 240 p99: .....
242 241 http.responses: .....
243 242 vusers.completed: .....
244 243 vusers.created: .....
245 244 vusers.created_by_name.0: .....
246 245 vusers.failed: .....
247 246 vusers.session_length: .....
248 247 min: .....
249 248 max: .....
250 249 median: .....
251 250 p95: .....
252 251 p99: .....
253 252
254 253
255 254 All VUs finished. Total time: 3 seconds
256 255
257 256 -----
258 257 Summary report @ 20:04:33(-0300)
259 258
260 259 -----
261 260 http.codes.200: .....
262 261 http.request_rate: .....
263 262 http.requests: .....
264 263 http.response_time: .....
265 264 min: .....
266 265 max: .....
267 266 median: .....
268 267 p95: .....
269 268 p99: .....
270 269 http.responses: .....
271 270 vusers.completed: .....
272 271 vusers.created: .....
273 272 vusers.created_by_name.0: .....
274 273 vusers.failed: .....
275 274 vusers.session_length: .....
276 275 min: .....
277 276 max: .....
278 277 median: .....
279 278 p95: .....
280 279 p99: .....
281 280
282 281
283 282 All VUs finished. Total time: 3 seconds
284 283
285 284 -----
286 285 Summary report @ 20:04:33(-0300)
287 286
288 287 -----
289 288 http.codes.200: .....
290 289 http.request_rate: .....
291 290 http.requests: .....
292 291 http.response_time: .....
293 292 min: .....
294 293 max: .....
295 294 median: .....
296 295 p95: .....
297 296 p99: .....
298 297 http.responses: .....
299 298 vusers.completed: .....
300 299 vusers.created: .....
301 300 vusers.created_by_name.0: .....
302 301 vusers.failed: .....
303 302 vusers.session_length: .....
304 303 min: .....
305 304 max: .....
306 305 median: .....
307 306 p95: .....
308 307 p99: .....
309 308
310 309
311 310 All VUs finished. Total time: 3 seconds
312 311
313 312 -----
314 313 Summary report @ 20:04:33(-0300)
315 314
316 315 -----
317 316 http.codes.200: .....
318 317 http.request_rate: .....
319 318 http.requests: .....
320 319 http.response_time: .....
321 320 min: .....
322 321 max: .....
323 322 median: .....
324 323 p95: .....
325 324 p99: .....
326 325 http.responses: .....
327 326 vusers.completed: .....
328 327 vusers.created: .....
329 328 vusers.created_by_name.0: .....
330 329 vusers.failed: .....
331 330 vusers.session_length: .....
332 331 min: .....
333 332 max: .....
334 333 median: .....
335 334 p95: .....
336 335 p99: .....
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339 338 All VUs finished. Total time: 3 seconds
340 339
341 340 -----
342 341 Summary report @ 20:04:33(-0300)
343 342
344 343 -----
345 344 http.codes.200: .....
346 345 http.request_rate: .....
347 346 http.requests: .....
348 347 http.response_time: .....
349 348 min: .....
350 349 max: .....
351 350 median: .....
352 351 p95: .....
353 352 p99: .....
354 353 http.responses: .....
355 354 vusers.completed: .....
356 355 vusers.created: .....
357 356 vusers.created_by_name.0: .....
358 357 vusers.failed: .....
359 358 vusers.session_length: .....
360 359 min: .....
361 360 max: .....
362 361 median: .....
363 362 p95: .....
364 363 p99: .....
365 364
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367 366 All VUs finished. Total time: 3 seconds
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369 368 -----
370 369 Summary report @ 20:04:33(-0300)
371 370
372 371 -----
373 372 http.codes.200: .....
374 373 http.request_rate: .....
375 374 http.requests: .....
376 375 http.response_time: .....
377 376 min: .....
378 377 max: .....
379 378 median: .....
380 379 p95: .....
381 380 p99: .....
382 381 http.responses: .....
383 382 vusers.completed: .....
384 383 vusers.created: .....
385 384 vusers.created_by_name.0: .....
386 385 vusers.failed: .....
387 386 vusers.session_length: .....
388 387 min: .....
389 388 max: .....
390 389 median: .....
391 390 p95: .....
392 391 p99: .....
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395 394 All VUs finished. Total time: 3 seconds
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397 396 -----
398 397 Summary report @ 20:04:33(-0300)
399 398
400 399 -----
401 400 http.codes.200: .....
402 401 http.request_rate: .....
403 402 http.requests: .....
404 403 http.response_time: .....
405 404 min: .....
406 405 max: .....
407 406 median: .....
408 407 p95: .....
409 408 p99: .....
410 409 http.responses: .....
411 410 vusers.completed: .....
412 411 vusers.created: .....
413 412 vusers.created_by_name.0: .....
414 413 vusers.failed: .....
415 414 vusers.session_length: .....
416 415 min: .....
417 416 max: .....
418 417 median: .....
419 418 p95: .....
420 419 p99: .....
421 420
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423 422 All VUs finished. Total time: 3 seconds
424 423
425 424 -----
426 425 Summary report @ 20:04:33(-0300)
427 426
428 427 -----
429 428 http.codes.200: .....
430 429 http.request_rate: .....
431 430 http.requests: .....
432 431 http.response_time: .....
433 432 min: .....
434 433 max: .....
435 434 median: .....
436 435 p95: .....
437 436 p99: .....
438 437 http.responses: .....
439 438 vusers.completed: .....
440 439 vusers.created: .....
441 440 vusers.created_by_name.0: .....
442 441 vusers.failed: .....
443 442 vusers.session_length: .....
444 443 min: .....
445 444 max: .....
446 445 median: .....
447 446 p95: .....
448 447 p99: .....
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451 450 All VUs finished. Total time: 3 seconds
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453 452 -----
454 453 Summary report @ 20:04:33(-0300)
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456 455 -----
457 456 http.codes.200: .....
458 457 http.request_rate: .....
459 458 http.requests: .....
460 459 http.response_time: .....
461 460 min: .....
462 461 max: .....
463 462 median: .....
464 463 p95: .....
465 464 p99: .....
466 465 http.responses: .....
467 466 vusers.completed: .....
468 467 vusers.created: .....
469 468 vusers.created_by_name.0: .....
470 469 vusers.failed: .....
471 470 vusers.session_length: .....
472 471 min: .....
473 472 max: .....
474 473 median: .....
475 474 p95: .....
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479 478 All VUs finished. Total time: 3 seconds
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481 480 -----
482 481 Summary report @ 20:04:33(-0300)
483 482
484 483 -----
485 484 http.codes.200: .....
486 485 http.request_rate: .....
487 486 http.requests: .....
488 487 http.response_time: .....
489 488 min: .....
490 489 max: .....
491 490 median: .....
492 491 p95: .....
493 492 p99: .....
494 493 http.responses: .....
495 494 vusers.completed: .....
496 495 vusers.created: .....
497 496 vusers.created_by_name.0: .....
498 497 vusers.failed: .....
499 498 vusers.session_length: .....
500 499 min: .....
501 500 max: .....
502 501 median: .....
503 502 p95: .....
504 503 p99: .....
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506 505
507 506 All VUs finished. Total time: 3 seconds
508 507
509 508 -----
510 509 Summary report @ 20:04:33(-0300)
511 510
512 511 -----
513 512 http.codes.200: .....
514 513 http.request_rate: .....
515 514 http.requests: .....
516 515 http.response_time: .....
517 516 min: .....
518 517 max: .....
519 518 median: .....
520 519 p95: .....
521 520 p99: .....
522 521 http.responses: .....
523 522 vusers.completed: .....
524 523 vusers.created: .....
525 524 vusers.created_by_name.0: .....
526 525 vusers.failed: .....
527 526 vusers.session_length: .....
528 527 min: .....
529 528 max: .....
530 529 median: .....
531 530 p95: .....
532 531 p99: .....
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535 534 All VUs finished. Total time: 3 seconds
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537 536 -----
538 537 Summary report @ 20:04:33(-0300)
539 538
540 539 -----
541 540 http.codes.200: .....
542 541 http.request_rate: .....
543 542 http.requests: .....
544 543 http.response_time: .....
545 544 min: .....
546 545 max: .....
547 546 median: .....
548 547 p95: .....
549 548 p99: .....
550 549 http.responses: .....
551 550 vusers.completed: .....
552 551 vusers.created: .....
553 552 vusers.created_by_name.0: .....
554 553 vusers.failed: .....
555 554 vusers.session_length: .....
556 555 min: .....
557 556 max: .....
558 557 median: .....
559 558 p95: .....
560 559 p99: .....
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562 561
563 562 All VUs finished. Total time: 3 seconds
564 563
565 564 -----
566 565 Summary report @ 20:04:33(-0300)
567 566
568 567 -----
569 568 http.codes.200: .....
570 569 http.request_rate: .....
571 570 http.requests: .....
572 571 http.response_time: .....
573 572 min: .....
574 573 max: .....
575 574 median: .....
576 575 p95: .....
577 576 p99: .....
578 577 http.responses: .....
579 578 vusers.completed: .....
580 579 vusers.created: .....
581 580 vusers.created_by_name.0: .....
582 581 vusers.failed: .....
583 582 vusers.session_length: .....
584 583 min: .....
585 584 max: .....
586 585 median: .....
587 586 p95: .....
588 587 p99: .....
589 588
590 589
591 590 All VUs finished. Total time: 3 seconds
592 591
593 592 -----
594 593 Summary report @ 20:04:33(-0300)
595 594
596 595 -----
597 596 http.codes.200: .....
598 597 http.request_rate: .....
599 598 http.requests: .....
600 599 http.response_time: .....
601 600 min: .....
602 601 max: .....
603 602 median: .....
604 603 p95: .....
605 604 p99: .....
606 605 http.responses: .....
607 606 vusers.completed: .....
608 607 vusers.created: .....
609 608 vusers.created_by_name.0: .....
610 609 vusers.failed: .....
611 610 vusers.session_length: .....
612 611 min: .....
613 612 max: .....
614 613 median: .....
615 614 p95: .....
616 615 p99: .....
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618 617
619 618 All VUs finished. Total time: 3 seconds
620 619
621 620 -----
622 621 Summary report @ 20:04:33(-0300)
623 622
624 623 -----
625 624 http.codes.200: .....
626 625 http.request_rate: .....
627 626 http.requests: .....
628 627 http.response_time: .....
629 628 min: .....
630 629 max: .....
631 630 median: .....
632 631 p95: .....
633 632 p99: .....
634 633 http.responses: .....
635 634 vusers.completed: .....
636 635 vusers.created: .....
637 636 vusers.created_by_name.0: .....
638 637 vusers.failed: .....
639 638 vusers.session_length: .....
640 639 min: .....
641 640 max: .....
642 641 median: .....
643 642 p95: .....
644 643 p99: .....
645 644
646 645
647 646 All VUs finished. Total time: 3 seconds
648 647
649 648 -----
650 649 Summary report @ 20:04:33(-0300)
651 650
652 651 -----
653 652 http.codes.200: .....
654 653 http.request_rate: .....
655 654 http.requests: .....
656 655 http.response_time: .....
657 656 min: .....
658 657 max: .....
659 658 median: .....
660 659 p95: .....
661 660 p99: .....
662 661 http.responses: .....
663 662 vusers.completed: .....
664 663 vusers.created: .....
665 664 vusers.created_by_name.0: .....
666 665 vusers.failed: .....
667 666 vusers.session_length: .....
668 667 min: .....
669 668 max: .....
670 669 median: .....
671 670 p95: .....
672 671 p99: .....
673 672
674 673
675 674 All VUs finished. Total time: 3 seconds
676 675
677 676 -----
678 677 Summary report @ 20:04:33(-0300)
679 678
680 679 -----
681 680 http.codes.200: .....
682 681 http.request_rate: .....
683 682 http.requests: .....
684 683 http.response_time: .....
685 684 min: .....
686 685 max: .....
687 686 median: .....
688 687 p95: .....
689 688 p99: .....
690 689 http.responses: .....
691 690 vusers.completed: .....
692 691 vusers.created: .....
693 692 vusers.created_by_name.0: .....
694 693 vusers.failed: .....
695 694 vusers.session_length: .....
696 695 min: .....
697 696 max: .....
698 697 median: .....
699 698 p95: .....
700 699 p99: .....
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703 702 All VUs finished. Total time: 3 seconds
704 703
705 704 -----
706 705 Summary report @ 20:04:33(-0300)
707 706
708 707 -----
709 708 http.codes.200: .....
710 709 http.request_rate: .....
711 710 http.requests: .....
712 711 http.response_time: .....
713 712 min: .....
714 713 max: .....
715 714 median: .....
716 715 p95: .....
717 716 p99: .....
718 717 http.responses: .....
719 718 vusers.completed: .....
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721 720 vusers.created_by_name.0: .....
722 721 vusers.failed: .....
723 722 vusers.session_length: .....
724 723 min: .....
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726 725 median: .....
727 726 p95: .....
728 727 p99: .....
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730 729
731 730 All VUs finished. Total time: 3 seconds
732 731
733 732 -----
734 733 Summary report @ 20:04:33(-0300)
735 734
736 735 -----
737 736 http.codes.200: .....
738 737 http.request_rate: .....
739 738 http.requests: .....
740 739 http.response_time: .....
741 740 min: .....
742 741 max: .....
743 742 median: .....
744 743 p95: .....
745 744 p99: .....
746 745 http.responses: .....
747 746 vusers.completed: .....
748 747 vusers.created: .....
749 748 vusers.created_by_name.0: .....
750 749 vusers.failed: .....
751 750 vusers.session_length: .....
752 751 min: .....
753 752 max: .....
754 753 median: .....
755 754 p95: .....
756 755 p99: .....
757 756
758 757
759 758 All VUs finished. Total time: 3 seconds
760 759
761 760 -----
762 761 Summary report @ 20:04:33(-0300)
763 762
764 763 -----
765 764 http.codes.200: .....
766 765 http.request_rate: .....
767 766 http.requests: .....
768 767 http.response_time: .....
769 768 min: .....
770 769 max: .....
771 770 median: .....
772 771 p95: .....
773 772 p99: .....
774 773 http.responses: .....
775 774 vusers.completed: .....
776 775 vusers.created: .....
777 776 vusers.created_by_name.0: .....
778 777 vusers.failed: .....
779 778 vusers.session_length: .....
780 779 min: .....
781 780 max: .....
782 781 median: .....
783 782 p95: .....
784 783 p99: .....
785 784
786 785
787 786 All VUs finished. Total time: 3 seconds
788 787
789 788 -----
790 789 Summary report @ 20:04:33(-0300)
791 790
792 791 -----
793 792 http.codes.200: .....
794 793 http.request_rate: .....
795 794 http.requests: .....
796 795 http.response_time: .....
797 796 min: .....
798 797 max: .....
799 798 median: .....
800 799 p95: .....
801 800 p99: .....
802 801 http.responses: .....
803 802 vusers.completed: .....
804 803 vusers.created: .....
805 804 vusers.created_by_name.0: .....
806 805 vusers.failed: .....
807 806 vusers.session_length: .....
808 807 min: .....
809 808 max: .....
810 809 median: .....
811 810 p95: .....
812 811 p99: .....
813 812
814 813
815 814 All VUs finished. Total time: 3 seconds
816 815
817 816 -----
818 817 Summary report @ 20:04:33(-0300)
819 818
820 819 -----
821 820 http.codes.200: .....
822 821 http.request_rate: .....
823 822 http.requests: .....
824 823 http.response_time: .....
825 824 min: .....
826 825 max: .....
827 826 median: .....
828 827 p95: .....
829 828 p99: .....
830 829 http.responses: .....
831 830 vusers.completed: .....
832 831 vusers.created: .....
833 832 vusers.created_by_name.0: .....
834 833 vusers.failed: .....
835 834 vusers.session_length: .....
836 835 min: .....
837 836 max: .....
838 837 median: .....
839 838 p95: .....
840 839 p99: .....
841 840
842 841
843 842 All VUs finished. Total time: 3 seconds
844 843
845 844 -----
846 845 Summary report @ 20:04:33(-0300)
847 846
848 847 -----
849 848 http.codes.200: .....
850 849 http.request_rate: .....
851 850 http.requests: .....
852 851 http.response_time: .....
853 852 min: .....
854 853 max: .....
855 854 median: .....
856 855 p95: .....
857 856 p99: .....
858 857 http.responses: .....
859 858 vusers.completed: .....
860 859 vusers.created: .....
861 860 vusers.created_by_name.0: .....
862 861 vusers.failed: .....
863 862 vusers.session_length: .....
864 863 min: .....
865 864 max: .....
866 865 median: .....
867 866 p95: .....
868 867 p99: .....
869 868
870 869
871 870 All VUs finished. Total time: 3 seconds
872 871
873 872 -----
874 873 Summary report @ 20:04:33(-0300)
875 874
876 875 -----
877 876 http.codes.200: .....
878 877 http.request_rate: .....
879 878 http.requests: .....
880 879 http.response_time: .....
881 880 min: .....
882 881 max: .....
883 882 median: .....
884 883 p95: .....
885 884 p99: .....
886 885 http.responses: .....
887 886 vusers.completed: .....
888 887 vusers.created: .....
889 888 vusers.created_by_name.0: .....
890 889 vusers.failed: .....
891 890 vusers.session_length: .....
892 891 min: .....
893 892 max: .....
894 893 median: .....
895 894 p95: .....
896 895 p99: .....
897 896
898 897
899 898 All VUs finished. Total time: 3 seconds
900 899
901 900 -----
902 901 Summary report @ 20:04:33(-0300)
903 902
904 903 -----
905 904 http.codes.200: .....
906 905 http.request_rate: .....
907 906 http.requests: .....
908 907 http.response_time: .....
909 908 min: .....
910 909 max: .....
911 910 median: .....
912 911 p95: .....
913 912 p99: .....
914 913 http.responses: .....
915 914 vusers.completed: .....
916 915 vusers.created: .....
917 916 vusers.created_by_name.0: .....
918 917 vusers.failed: .....
919 918 vusers.session_length: .....
920 919 min: .....
921 920 max: .....
922 921 median: .....
923 922 p95: .....
924 923 p99: .....
925 924
926 925
927 926 All VUs finished. Total time: 3 seconds
928 927
929 928 -----
930 929 Summary report @ 20:04:33(-0300)
931 930
932 931 -----
933 932 http.codes.200: .....
934 933 http.request_rate: .....
935 934 http.requests: .....
936 935 http.response_time: .....
937 936 min: .....
938 937 max: .....
939 938 median: .....
940 939 p95: .....
941 940 p99: .....
942 941 http.responses: .....
943 942 vusers.completed: .....
944 943 vusers.created: .....
945 944 vusers.created_by_name.0: .....
946 945 vusers.failed: .....
947 946 vusers.session_length: .....
948 947 min: .....
949 948 max: .....
950 949 median: .....
951 950 p95: .....
952 951 p99
```

EXPLORADOR

TERCER...no\_bloq-v8.log

conclusionTest > no\_bloq-v8.log

PROBLEMAS SALIDA CONSOLA DE DEPURACIÓN TERMINAL SQL CONSOLE

# of samples: 20

17k requests in 20.07s, 14.9 MB read  
Running 20s test @ http://localhost:8080/infoNoBloq  
100 connections

| Stat    | 2.5%  | 50%    | 97.5%  | 99%    | Avg       | Stdev    | Max    |
|---------|-------|--------|--------|--------|-----------|----------|--------|
| Latency | 95 ms | 108 ms | 182 ms | 209 ms | 116.16 ms | 26.04 ms | 414 ms |

| Stat      | 1%     | 2.5%   | 50%    | 97.5%  | Avg    | Stdev  | Min    |
|-----------|--------|--------|--------|--------|--------|--------|--------|
| Req/Sec   | 500    | 500    | 890    | 1036   | 856.8  | 130.8  | 500    |
| Bytes/Sec | 432 kB | 432 kB | 769 kB | 895 kB | 740 kB | 113 kB | 432 kB |

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

17k requests in 20.27s, 14.8 MB read

C:\Users\can\_D\OneDrive\Escritorio\BACKEND\DESAFIOS\ProyectoFinalBackend\TerceraEntrega\

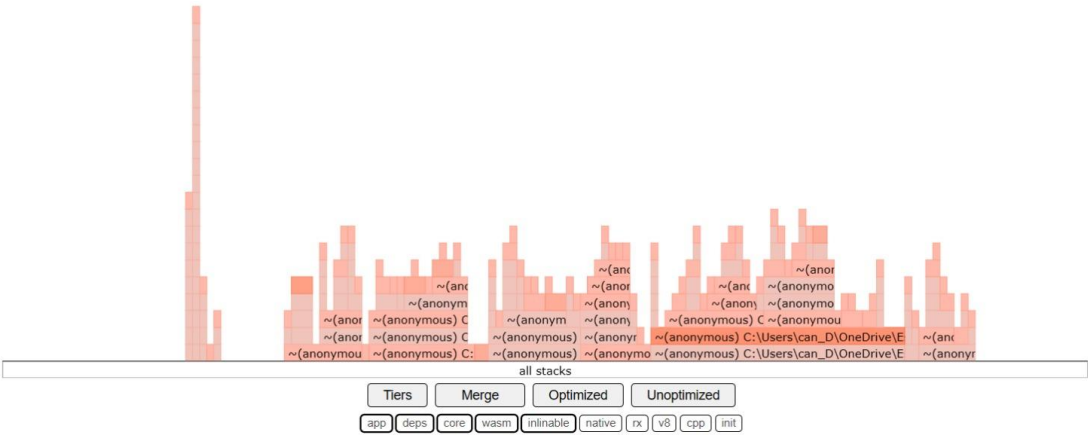
ESQUEMA

LÍNEA DE TIEMPO

node server.js

cold hot  
\* optimized ~ unoptimized

search functions



```
PROBLEMAS          SALIDA          CONSOLA DE DEPURACIÓN          TERMINAL          SQL CONSOLE
node + - - - ^ x
_id: new ObjectId("63d8285359ee9e2d2cf0a150"),
name: 'Candela',
username: 'can_dh@hotmail.com',
password: '$2b$10$6bnZAlvxPM1tRQ5cg8WYJ099zL00RPQf.kl1b7rE.x441P8fM1b6e',
_v: 0
} is returned
[2023-03-13T19:57:25.315] [WARN] default - Ruta inexistente
[2023-03-13T19:57:48.192] [INFO] default - Chat data attached successfully
[2023-03-13T19:57:48.230] [INFO] default - User {
  _id: new ObjectId("63d8285359ee9e2d2cf0a150"),
  name: 'Candela',
  username: 'can_dh@hotmail.com',
  password: '$2b$10$6bnZAlvxPM1tRQ5cg8WYJ099zL00RPQf.kl1b7rE.x441P8fM1b6e',
  _v: 0
} is returned
[2023-03-13T19:57:48.290] [INFO] default - Products returned
[2023-03-13T19:57:48.452] [INFO] default - User {
  _id: new ObjectId("63d8285359ee9e2d2cf0a150"),
  name: 'Candela',
  username: 'can_dh@hotmail.com',
  password: '$2b$10$6bnZAlvxPM1tRQ5cg8WYJ099zL00RPQf.kl1b7rE.x441P8fM1b6e',
  _v: 0
} is returned
[2023-03-13T19:57:48.564] [INFO] default - Chat data recovered successfully
[2023-03-13T19:57:48.620] [INFO] default - User {
  _id: new ObjectId("63d8285359ee9e2d2cf0a150"),
  name: 'Candela',
  username: 'can_dh@hotmail.com',
  password: '$2b$10$6bnZAlvxPM1tRQ5cg8WYJ099zL00RPQf.kl1b7rE.x441P8fM1b6e',
  _v: 0
} is returned
[2023-03-13T19:57:48.622] [WARN] default - Ruta inexistente
```

localhost:8080/productos? x +

localhost:8080/productos?

Bienvenido can\_db@hotmail.com

Salir

Agregar Producto

Nombre

Descripcion

Codigo

Precio

Stock

Foto

```
password: '$2b$10$6bnZAIvxPttRQ5CgRWJ099zL0ORPQf.klHb7rE.xA41P8fmIb6e',  
  v: 0  
} Is returned  
[2023-03-13T19:57:48.290] [INFO] default - Products returned  
[2023-03-13T19:57:48.452] [INFO] default - User {  
  id: new ObjectId("63d828539ee9e2dcf0a150"),  
  name: 'Candela',  
  username: 'can_db@hotmail.com',  
  password: '$2b$10$6bnZAIvxPttRQ5CgRWJ099zL0ORPQf.klHb7rE.xA41P8fmIb6e',  
  v: 0  
} Is returned  
[2023-03-13T19:57:48.564] [INFO] default - Chat data recovered successfully  
[2023-03-13T19:57:48.620] [INFO] default - User {  
  id: new ObjectId("63d828539ee9e2dcf0a150"),  
  name: 'Candela',  
  username: 'can_db@hotmail.com',  
  password: '$2b$10$6bnZAIvxPttRQ5CgRWJ099zL0ORPQf.klHb7rE.xA41P8fmIb6e',  
  v: 0  
} Is returned  
[2023-03-13T19:57:48.622] [WARN] default - Ruta inexistente  
^C  
C:\Users\can_D\OneDrive\Escritorio\BACKEND\DESAFIOS\ProyectoFinalBackend\TerceraEntrega>pm2 start server.js --name serverModoFork --watch  
[PM2] Spawning PM2 daemon with pm2_home=C:\Users\can_D\.pm2  
[PM2] PM2 Successfully daemonized  
[PM2] Starting C:\Users\can_D\OneDrive\Escritorio\BACKEND\DESAFIOS\ProyectoFinalBackend\TerceraEntrega\server.js in fork_mode (1 instance)  
[PM2] Done.
```

| id | name           | namespace | version | mode | pid   | uptime | U | status | cpu   | mem    | user  | watching |
|----|----------------|-----------|---------|------|-------|--------|---|--------|-------|--------|-------|----------|
| 0  | serverModoFork | default   | 1.0.0   | fork | 33096 | 1s     | 0 | online | 48.5% | 64.3mb | can_D | enabled  |

```
C:\Users\can_D\OneDrive\Escritorio\BACKEND\DESAFIOS\ProyectoFinalBackend\TerceraEntrega>
```

PROBLEMAS   SALIDA   CONSOLA DE DEPURACIÓN   **TERMINAL**   SQL CONSOLA

cmd + ↵   🗑   ⋮   ↕   ✕

```
[2023-03-13T19:57:48.564] [INFO] default - Chat data recovered successfully
[2023-03-13T19:57:48.620] [INFO] default - User {
  _id: new ObjectId("63d8285359ee9e2dcf0a150"),
  name: 'Candela',
  username: 'can_d@hotmail.com',
  password: '$2b$10$6bnZAIvxPM1RQ5CgNwYJ099zL00RPQf.kH4b7rE.x441P8fMibee',
  v: 0
} is returned
[2023-03-13T19:57:48.622] [WARN] default - Ruta inexistente
^C
C:\Users\can_D\OneDrive\Escritorio\BACKEND\DESAFIOS\ProyectoFinalBackend\TerceraEntrega>pm2 start server.js --name serverModoFork --watch
[PM2] Spawning PM2 daemon with pm2_home=c:\Users\can_D\.pm2
[PM2] PM2 Successfully daemonized
[PM2] Starting C:\Users\can_D\OneDrive\Escritorio\BACKEND\DESAFIOS\ProyectoFinalBackend\TerceraEntrega\server.js in fork_mode (1 instance)
[PM2] Done.
```

| id | name           | namespace | version | mode        | pid   | uptime | ♾ | status | cpu   | mem    | user  | watching |
|----|----------------|-----------|---------|-------------|-------|--------|---|--------|-------|--------|-------|----------|
| 0  | serverModoFork | default   | 1.0.0   | <b>fork</b> | 33896 | 1s     | 0 | online | 48.5% | 64.3mb | can_D | enabled  |

```
C:\Users\can_D\OneDrive\Escritorio\BACKEND\DESAFIOS\ProyectoFinalBackend\TerceraEntrega>
C:\Users\can_D\OneDrive\Escritorio\BACKEND\DESAFIOS\ProyectoFinalBackend\TerceraEntrega>pm2 start server.js --name serverModoCluster -i max --watch
[PM2] Starting C:\Users\can_D\OneDrive\Escritorio\BACKEND\DESAFIOS\ProyectoFinalBackend\TerceraEntrega\server.js in cluster_mode (0 instance)
[PM2] Done.
```

| id | name              | namespace | version | mode        | pid   | uptime | ♾ | status | cpu | mem    | user  | watching |
|----|-------------------|-----------|---------|-------------|-------|--------|---|--------|-----|--------|-------|----------|
| 1  | serverModoCluster | default   | 1.0.0   | cluster     | 14376 | 3s     | 0 | online | 0%  | 30.6mb | can_D | enabled  |
| 2  | serverModoCluster | default   | 1.0.0   | cluster     | 28584 | 3s     | 0 | online | 0%  | 31.0mb | can_D | enabled  |
| 3  | serverModoCluster | default   | 1.0.0   | cluster     | 42848 | 3s     | 0 | online | 0%  | 31.0mb | can_D | enabled  |
| 4  | serverModoCluster | default   | 1.0.0   | cluster     | 29192 | 3s     | 0 | online | 0%  | 31.1mb | can_D | enabled  |
| 5  | serverModoCluster | default   | 1.0.0   | cluster     | 38320 | 3s     | 0 | online | 0%  | 30.9mb | can_D | enabled  |
| 6  | serverModoCluster | default   | 1.0.0   | cluster     | 10456 | 2s     | 0 | online | 0%  | 30.7mb | can_D | enabled  |
| 7  | serverModoCluster | default   | 1.0.0   | cluster     | 36308 | 2s     | 0 | online | 0%  | 30.8mb | can_D | enabled  |
| 8  | serverModoCluster | default   | 1.0.0   | cluster     | 42724 | 2s     | 0 | online | 0%  | 30.7mb | can_D | enabled  |
| 9  | serverModoCluster | default   | 1.0.0   | cluster     | 45016 | 2s     | 0 | online | 0%  | 30.8mb | can_D | enabled  |
| 10 | serverModoCluster | default   | 1.0.0   | cluster     | 12600 | 1s     | 0 | online | 0%  | 30.6mb | can_D | enabled  |
| 11 | serverModoCluster | default   | 1.0.0   | cluster     | 16732 | 1s     | 0 | online | 0%  | 30.4mb | can_D | enabled  |
| 12 | serverModoCluster | default   | 1.0.0   | cluster     | 39540 | 1s     | 0 | online | 0%  | 30.2mb | can_D | enabled  |
| 0  | serverModoFork    | default   | 1.0.0   | <b>fork</b> | 33896 | 38s    | 0 | online | 0%  | 78.1mb | can_D | enabled  |

```
C:\Users\can_D\OneDrive\Escritorio\BACKEND\DESAFIOS\ProyectoFinalBackend\TerceraEntrega>
```

0   Connect   Lin 21, col 1   Espacios: 4   UTF-8   CRLF   JavaScript   Go Live   Prettier   🗑