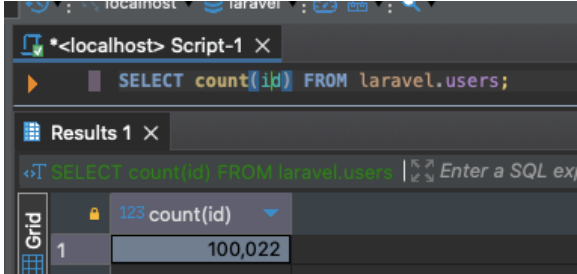


# Stress Test and Load Test PHP Filament

Env	Local
Specification	vCPU 2Core, 4GB Mem
Host	http://localhost:8000
Version	1
Testing date	2024-05-08
Prepared data test	>10000 rows, at users table
Query Count	



## 2. Inserting test

- a. endpoint: /admin/i-a-m/users/create
- b. total data: data>100000 rows
- c. VUs: 1
- d. Iteration: 10
- e. results:

```

• → stresstest K6_BROWSER_HEADLESS=false K6_BROWSER_ARGS='show-property-changed-rects' k6 run create-test.js

      /\_/\
     /__\/\_.io

execution: local
script: create-test.js
output: -

scenarios: (100.00%) 1 scenario, 1 max VUs, 40s max duration (incl. graceful stop):
    * ui: 1 looping VUs for 10s (gracefulStop: 30s)


browser_data_received.....: 17 MB   537 kB/s
browser_data_sent.....: 128 kB 4.0 kB/s
browser_http_req_duration...: avg=178.34ms min=16µs      med=181.31ms max=513.68ms p(90)=355.39ms p(95)=362.42ms
browser_http_req_failed....: 0.00% ✓ 0 x 238
browser_web_vital_cls.....: avg=0.003945 min=0.003608 med=0.003608 max=0.006205 p(90)=0.004563 p(95)=0.005384
browser_web_vital_fcp.....: avg=558.53ms min=430.9ms med=575.89ms max=601.09ms p(90)=600ms p(95)=600.54ms
browser_web_vital_fid.....: avg=1.19ms min=99.99µs med=2ms max=2.2ms p(90)=2.19ms p(95)=2.2ms
browser_web_vital_inp.....: avg=12.8ms min=0s med=12ms max=24ms p(90)=24ms p(95)=24ms
browser_web_vital_lcp.....: avg=576.44ms min=430.9ms med=602.3ms max=623.5ms p(90)=613ms p(95)=618.25ms
browser_web_vital_ttfb.....: avg=202.53ms min=177.4ms med=189.5ms max=338.79ms p(90)=197.09ms p(95)=267.94ms
✓ checks.....: 0.00% ✓ 0 x 0
data_received.....: 0 B 0 B/s
data_sent.....: 0 B 0 B/s
iteration_duration.....: avg=31.76s min=31.76s med=31.76s max=31.76s p(90)=31.76s p(95)=31.76s
iterations.....: 1 0.031103/s
vus.....: 1 min=1 max=1
vus_max.....: 1 min=1 max=1


running (32.2s), 0/1 VUs, 1 complete and 0 interrupted iterations
ui ✓ [=====] 1 VUs 10s
```

- f. scenario: loop call endpoint `/admin/i-a-m/users/create` with combination insert per field
- g. code:

```
for (let i = 0; i < 10; i++) {
  await page.goto('http://localhost:8080/admin/i-a-m/users/create');

  page.waitForLoadState();

  const mathRandom = Math.random();
  const name = mathRandom + "name-" + i+1;
  const email = mathRandom + "email-" + i+1 + "@mail.com";
  const password = "password-" + i+1;

  page.locator('input[id="data.name"]').type(email)
  page.locator('input[id="data.email"]').type(email)
  page.locator('input[id="data.password"]').type(password)
  page.locator('input[id="data.password_confirmation"]').type(password)

  sleep(2)

  await page.click('.fi-ac-btn-action');


  page.waitForLoadState();
}
```

### 3. Updating test

- endpoint: /admin/i-a-m/users/{id}/edit
- total data: data>100000 rows
- VUs: 1
- Iteration: 10
- results:

```

● → stresstest K6_BROWSER_HEADLESS=false K6_BROWSER_ARGS='show-property-changed-rects' k6 run update-test.js



execution: local
script: update-test.js
output: -

scenarios: (100.00%) 1 scenario, 1 max VUs, 40s max duration (incl. graceful stop):
    * ui: 1 looping VUs for 10s (gracefulStop: 30s)


browser_data_received.....: 28 MB   852 kB/s
browser_data_sent.....: 237 kB   7.2 kB/s
browser_http_req_duration...: avg=73.42ms min=17µs      med=18.37ms max=491.56ms p(90)=183.67ms p(95)=191.28ms
browser_http_req_failed....: 0.00% ✓ 0 x 409
browser_web_vital_cls.....: avg=0.000338 min=0      med=0.000055 max=0.006205 p(90)=0.000055 p(95)=0.000362
browser_web_vital_fcp.....: avg=337.78ms min=231.9ms med=373.65ms max=460.1ms p(90)=412.86ms p(95)=437.11ms
browser_web_vital_fid.....: avg=72.72µs min=0s       med=99.99µs max=200µs   p(90)=100µs   p(95)=150µs
browser_web_vital_inp.....: avg=10.18ms min=0s       med=8ms     max=16ms     p(90)=16ms    p(95)=16ms
browser_web_vital_lcp.....: avg=352.64ms min=248.69ms med=388.95ms max=485.9ms p(90)=424.83ms p(95)=438.4ms
browser_web_vital_ttfb.....: avg=196.35ms min=165.1ms med=187.74ms max=343.4ms p(90)=215.05ms p(95)=290.29ms
✓ checks.....: 0.00% ✓ 0 x 0
data_received.....: 0 B   0 B/s
data_sent.....: 0 B   0 B/s
iteration_duration.....: avg=32.74s min=32.74s med=32.74s max=32.74s p(90)=32.74s p(95)=32.74s
iterations.....: 1 0.030274/s
vus.....: 1 min=1 max=1
vus_max.....: 1 min=1 max=1


running (33.0s), 0/1 VUs, 1 complete and 0 interrupted iterations
ui ✓ [=====] 1 VUs 10s
```

- f. scenario: loop call endpoint `/admin/i-a-m/users/{id}/edit` with combination update per field
- g. code:

```
for (let i = 0; i < 10; i++) {
  await page.goto('http://localhost:8080/admin/i-a-m/users/' + (i+90000) + '/edit')

  page.waitForLoadState();

  const mathRandom = Math.random();
  const name = mathRandom + "name-" + i+1;
  const email = mathRandom + "email-" + i+1 + "@mail.com";
  const password = "password-" + i+1;

  page.locator('input[id="data.name"]').type(email)
  page.locator('input[id="data.email"]').type(email)
  page.locator('input[id="data.password"]').type(password)
  page.locator('input[id="data.password_confirmation"]').type(password)

  sleep(2)

  await page.click('.fi-ac-btn-action');

  page.waitForLoadState();
}
```