

Grafana load test

Runs load tests and checks using [k6](#).

Prerequisites

Docker

To run the auth proxy test you'll need to setup nginx proxy from docker block and enable auth proxy together with configuring Grafana for auth proxy.

Run

Run load test for 15 minutes using 2 virtual users and targeting <http://localhost:3000>.

```
$ ./run.sh
```

Run load test for custom duration:

```
$ ./run.sh -d 10s
```

Run load test for custom target url:

```
$ ./run.sh -u http://grafana.loc
```

Run load test for 10 virtual users:

```
$ ./run.sh -v 10
```

Run load test and send the results to the database "myDb" in influxDB running locally on port 8086 (with no authentication):

```
$ ./run.sh -o influxdb=http://localhost:8086/myDb
```

Run auth token slow test (random query latency between 1 and 30 seconds):

```
$ ./run.sh -c auth_token_slow_test -s 30
```

Run auth proxy test:

```
$ ./run.sh -c auth_proxy_test
```

Run API key test (option `-k` must be a valid `admin` API key)

```
$ ./run.sh -c auth_token_test -k "<api key here>"
```

Example output:

```
      /\      |""| /--/ /-/
    /\ / \    | |_/ / / /
  / \ / \    |   | / --\
 /      \    | |-\ \ | ( ) |
/ _____ \ | _| \_\ \_\ / .io
```

execution: local

output: -

script: src/auth_token_test.js

duration: 15m0s, iterations: -

vus: 2, max: 2

done [=====] 15m0s / 15m0s

■ user auth token test

■ user authenticates through ui with username and password

✓ response status is 200

✓ response has cookie 'grafana_session' with 32 characters

■ batch tsdb requests

✓ response status is 200

```
checks.....: 100.00% ✓ 32844 X 0
data_received.....: 411 MB 457 kB/s
data_sent.....: 12 MB 14 kB/s
group_duration.....: avg=95.64ms min=16.42ms med=94.35ms max=307.52ms
p(90)=137.78ms p(95)=146.75ms
http_req_blocked.....: avg=1.27ms min=942ns med=610.08µs max=48.32ms
p(90)=2.92ms p(95)=4.25ms
http_req_connecting.....: avg=1.06ms min=0s med=456.79µs max=47.19ms
p(90)=2.55ms p(95)=3.78ms
http_req_duration.....: avg=58.16ms min=1ms med=52.59ms max=293.35ms
p(90)=109.53ms p(95)=120.19ms
http_req_receiving.....: avg=38.98µs min=6.43µs med=32.55µs max=16.2ms
p(90)=64.63µs p(95)=78.8µs
http_req_sending.....: avg=328.66µs min=8.09µs med=110.77µs max=44.13ms
p(90)=552.65µs p(95)=1.09ms
http_req_tls_handshaking....: avg=0s min=0s med=0s max=0s
p(90)=0s p(95)=0s
http_req_waiting.....: avg=57.79ms min=935.02µs med=52.15ms max=293.06ms
p(90)=109.04ms p(95)=119.71ms
http_reqs.....: 34486 38.317775/s
iteration_duration.....: avg=1.09s min=1.81µs med=1.09s max=1.3s
p(90)=1.13s p(95)=1.14s
iterations.....: 1642 1.824444/s
```

vus.....: 2	min=2	max=2
vus_max.....: 2	min=2	max=2