

INFORME PRUEBAS DE CARGA K6

- SMOKE TEST

```
THRESHOLDS

http_req_duration
✓ 'avg<100' avg=1.11ms

http_req_failed
✓ 'rate==0' rate=0.00%


TOTAL RESULTS

checks_total.....: 300      4.982605/s
checks_succeeded.....: 100.00% 300 out of 300
checks_failed.....: 0.00% 0 out of 300

✓ response code was 200

HTTP
http_req_duration.....: avg=1.11ms min=0s med=1.03ms max=12.86ms p(90)=1.86ms p(95)=2.15ms
{ expected_response:true }.....: avg=1.11ms min=0s med=1.03ms max=12.86ms p(90)=1.86ms p(95)=2.15ms
http_req_failed.....: 0.00% 0 out of 300
http_reqs.....: 300      4.982605/s

EXECUTION
iteration_duration.....: avg=1s      min=1s med=1s      max=1.01s p(90)=1s p(95)=1s
iterations.....: 300      4.982605/s
vus.....: 5      min=5      max=5
vus_max.....: 5      min=5      max=5

NETWORK
data_received.....: 89 kB 1.5 kB/s
data_sent.....: 23 kB 389 B/s
NETWORK
data_received.....: data_sent.....: data_sent.....
data_sent.....: 23 kB 389 B/s

running (1m00.2s), 0/5 VUs, 300 complete and 0 interrupted iterations
default ✓ [=====] 5 VUs 1m0s
PS C:\Users\Usuario\Documents\UMA\3\2CUATRIMESTRE\MANTENIMIENTO\PRACTICAS\PracticasMantenimiento\practica7>
```

El test se ejecutó correctamente con 5 usuarios virtuales durante 1 minuto. Todas las comprobaciones fueron positivas: el 100% de las respuestas devolvieron código 200 y no hubo peticiones fallidas. Además, la duración promedio de las peticiones fue de 1.11 ms, muy por debajo del umbral de 100 ms. Por tanto, el sistema ha pasado correctamente nuestro smoke test.

- BREAKPOINT TEST (Ramping Arrival Test)

```
he target machine actively refused it."
WARN[0597] Request Failed
he target machine actively refused it."
WARN[0597] Request Failed
he target machine actively refused it."
WARN[0598] Request Failed
he target machine actively refused it."
WARN[0599] Request Failed
he target machine actively refused it."
WARN[0599] Request Failed
he target machine actively refused it."
error="Get \"http://localhost:8080/medico/1\": dial tcp 127.0.0.1:8080: connectex: No connection could be made because t
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error="Get \"http://localhost:8080/medico/1\": dial tcp 127.0.0.1:8080: connectex: No connection could be made because t
running (10m23.6s), 00000093/00012599 VUs, 13321706 complete and 0 interrupted iterations
break_server ↓ [=====] 00010968/00012599 VUs 10m0s 079447.05 iters/s
```

Activar Windows
Ve a Configuración para activar Windows.

Obtenemos un número máximo de usuarios de 12599 VUs.

- BREAKPOINT TEST (Con stages y sin executor)

```
iterations.....: 610084 7170.398571/s
vus.....: 11759 min=0 max=11759
vus_max.....: 100000 min=26344 max=100000

NETWORK
data_received.....: 181 MB 2.1 MB/s
data_sent.....: 48 MB 562 kB/s

running (01m26.2s), 000000/100000 VUs, 609999 complete and 12000 interrupted iterations
default X [====>] 002607/100000 VUs 01m23.1s/10m00.0s
ERROR[0095] thresholds on metrics 'http_req_failed' were crossed; at least one has abortOnFail enabled, stopping test prematurely
```

Activar Windows
Ve a Configuración para activar Windows.

Obtenemos un número máximo de 2607 VUs.

- STRESS TEST

```
EXECUTION
iteration_duration.....: avg=31.28ms min=0s med=25.43ms max=3.84s p(90)=52.05ms p(95)=86.36ms
iterations.....: 15188474 31644.816398/s
vus.....: 2 min=2 max=2085
vus_max.....: 2085 min=2085 max=2085

NETWORK
data_received.....: 4.5 GB 9.3 MB/s
data_sent.....: 1.2 GB 2.5 MB/s

running (8m00.0s), 0000/2085 VUs, 15188474 complete and 0 interrupted iterations
default ✓ [=====] 0000/2085 VUs 8m0s
```

Activar Windows
Ve a Configuración para activar Windows.

En nuestro caso con el 80% de VUs máximos obtenidos en el breakpoint test con stages y sin executor, obtenemos que aún soporta las peticiones.

- AVERAGE TEST

```
iteration_duration.....: avg=1s      min=1s med=1s      max=1.03s  p(90)=1s  p(95)=1s
iterations.....: 429779 894.560041/s
vus.....: 8      min=7      max=1303
vus_max.....: 1303 min=1303      max=1303

NETWORK
data_received.....: 127 MB 264 kB/s
data_sent.....: 34 MB 70 kB/s

running (8m00.4s), 0000/1303 VUs, 429779 complete and 0 interrupted iterations
default ✓ [=====] 0000/1303 VUs 8m0s
```

Activar Windows
Ve a Configuración para activar Windows.

Nuestro average test con 50% no falla (Si no fallaba con el 80%, no falla con 50% del máximo de usuarios).

- SPIKE TEST

```
iteration_duration.....: avg=11.22ms min=0s med=9.4ms max=795.17ms p(90)=22.16ms p(95)=27.42ms
iterations.....: 6879487 38220.833936/s
vus.....: 2      min=2      max=1041
vus_max.....: 1042 min=1042      max=1042

NETWORK
data_received.....: 2.0 GB 11 MB/s
data_sent.....: 537 MB 3.0 MB/s

running (3m00.0s), 0000/1042 VUs, 6879487 complete and 0 interrupted iterations
default ✓ [=====] 0000/1042 VUs 3m0s
```

Activar Windows
Ve a Configuración para activar Windows.

Nuestro servidor soporta dicha subida sin problema.