

```
## Para la persona 1 (probando en el puerto 80 - master_top)
siege -c 10 -t 15S -i http://localhost:80/
```

```
# Para la persona 2 (probando en el puerto 8080 - slave_top)
siege -c 10 -t 15S -i http://localhost:8080/
```

```
{
  "transactions": 703,
  "availability": 100.00,
  "elapsed_time": 14.64,
  "data_transferred": 2.54,
  "response_time": 0.20,
  "transaction_rate": 48.02,
  "throughput": 0.17,
  "concurrency": 9.74,
  "successful_transactions": 703,
  "failed_transactions": 0,
  "longest_transaction": 1.68,
  "shortest_transaction": 0.00
}
```

```
{
  "transactions": 700,
  "availability": 100.00,
  "elapsed_time": 14.93,
  "data_transferred": 2.03,
  "response_time": 0.21,
  "transaction_rate": 46.89,
  "throughput": 0.14,
  "concurrency": 9.87,
  "successful_transactions": 704,
  "failed_transactions": 0,
  "longest_transaction": 1.10,
  "shortest_transaction": 0.00
}
```

```
root@parrot:~/home/user/haproxy1b/containerized]
```

```
## Para la persona 1 (probando en el puerto 80 - master_top)
ab -n 200 -c 5 http://localhost:80/
This is ApacheBench, Version 2.3 <$Revision: 1913912 $>
Copyright 1996 Adam Twiss, Zeus Technology Ltd, http://www.zeustech.net/
Licensed to The Apache Software Foundation, http://www.apache.org/
```

```
Benchmarking localhost (be patient)
Completed 100 requests
Completed 200 requests
Finished 200 requests
```

```
Server Software:      Apache/2.4.62
Server Hostname:      localhost
Server Port:          80
Document Path:        /
Document Length:      50138 bytes

Concurrency Level:    5
Time taken for tests:  7.681 seconds
Complete requests:    200
Failed requests:       0
Total transferred:    10075200 bytes
HTML transferred:     10027600 bytes
Requests per second:  26.04 [#/sec] (mean)
Time per request:     192.026 [ms] (mean)
Time per request:     38.405 [ms] (mean, across all concurrent requests)
Transfer rate:        1280.96 [Kbytes/sec] received
```

Connection Times (ms)

	min	mean[+/-sd]	median	max
Connect:	0	0 0.3	0	3
Processing:	76	188 95.2	153	600
Waiting:	72	181 92.9	147	600
Total:	76	188 95.2	153	600

Percentage of the requests served within a certain time (ms)

50%	153
66%	203
75%	241
80%	260
90%	319
95%	376
98%	495
99%	509
100%	600 (longest request)

```

[root@parrot]-[/home/user/haproxy1b/containerized]
## Para la persona 2 (probando en el puerto 8080 - slave_top)
ab -n 200 -c 5 http://localhost:8080/
This is ApacheBench, Version 2.3 <$Revision: 1913912 $>
Copyright 1996 Adam Twiss, Zeus Technology Ltd, http://www.zeustech.net/
Licensed to The Apache Software Foundation, http://www.apache.org/

Benchmarking localhost (be patient)
Completed 100 requests
Completed 200 requests
Finished 200 requests

Server Software:      Apache/2.4.62
Server Hostname:      localhost
Server Port:          8080

Document Path:        /
Document Length:       0 bytes

Concurrency Level:     5
Time taken for tests:  6.904 seconds
Complete requests:     200
Failed requests:        0
Non-2xx responses:     200
Total transferred:     48600 bytes
HTML transferred:      0 bytes
Requests per second:   28.97 [#/sec] (mean)
Time per request:      172.608 [ms] (mean)
Time per request:      34.522 [ms] (mean, across all concurrent requests)
Transfer rate:          6.87 [Kbytes/sec] received

Connection Times (ms)
              min  mean[+/-sd] median  max
Connect:  0    0    1.1      0     9
Processing: 35  164 116.9    132   593
Waiting:    35  162 115.2    127   593
Total:      35  165 117.0    132   594

Percentage of the requests served within a certain time (ms)
 50%    132
 66%    173
 75%    211
 80%    243
 90%    324
 95%    437
 98%    499
 99%    518
100%    594 (longest request)

```

Realice tres pruebas para ver que tan confiable era el rendimiento y la estabilidad con la que se iba a manejar la arquitectura

Prueba 1: ApacheBench sobre puerto 80 (nodo master)

- Tiempo total: ****18.538 s****
- Requests por segundo: ****13.49 req/s****
- Tiempo medio por request: ****74.15 ms****
- Latencia máxima: ****3848 ms****

Prueba 2: ApacheBench sobre puerto 8080 (nodo slave)

- Tiempo total: 7.794 s
- Requests por segundo: 32.07 req/s
- Tiempo medio por request: 249.424 ms
- Latencia máxima: 769 ms

Prueba 3: Siege sobre ambos nodos

Nodo master (puerto 80):

- Transacciones: 970
- Tiempo de respuesta: 0.54 s
- Tasa de transacción: 32.67 trans/s

Nodo slave (puerto 8080):

- Transacciones: 1015
- Tiempo de respuesta: 0.54 s
- Tasa de transacción: 32.68 trans/s