



D. RESULTADOS OBTENIDOS CON APACHE BENCH.

D.1. MySQL.

D.1.1. 1 usuario.

```
This is ApacheBench, Version 2.0.41-dev <$Revision: 1.141 $> apache-2.0
Copyright (c) 1996 Adam Twiss, Zeus Technology Ltd,
http://www.zeustech.net/
Copyright (c) 1998-2002 The Apache Software Foundation,
http://www.apache.org/
```

```
Benchmarking localhost (be patient).....done
```

```
Server Software:      Apache/2.0.54
Server Hostname:     localhost
Server Port:         80

Document Path:       /ab/config.php
Document Length:     208 bytes

Concurrency Level:   1
Time taken for tests: 0.662060 seconds
Complete requests:   10
Failed requests:     0
Write errors:        0
Total transferred:   4010 bytes
HTML transferred:    2080 bytes
Requests per second: 15.11 [#/sec] (mean)
Time per request:    66.206 [ms] (mean)
Time per request:    66.206 [ms] (mean, across all concurrent
requests)
Transfer rate:       4.52 [Kbytes/sec] received
```

```
Connection Times (ms)
              min  mean[+/-sd] median  max
Connect:     0    0   0.0      0    0
Processing:  59   60   3.5     61   73
Waiting:     58   61   3.8     61   69
Total:       59   63   3.5     61   74
```

```
Percentage of the requests served within a certain time (ms)
 50%    61
 66%    63
 75%    64
 80%    64
 90%    74
 95%    74
 98%    74
 99%    74
100%    74 (longest request)
```

D.1.2. 50 usuarios.

```
This is ApacheBench, Version 2.0.41-dev <$Revision: 1.141 $> apache-2.0
```



Copyright (c) 1996 Adam Twiss, Zeus Technology Ltd,
<http://www.zeustech.net/>
Copyright (c) 1998-2002 The Apache Software Foundation,
<http://www.apache.org/>

Benchmarking localhost (be patient).....done

```
Server Software:      Apache/2.0.54
Server Hostname:     localhost
Server Port:        80

Document Path:      /ab/config.php
Document Length:    208 bytes

Concurrency Level:   50
Time taken for tests: 1.843392 seconds
Complete requests:   10
Failed requests:     0
Write errors:        0
Total transferred:   4010 bytes
HTML transferred:    2080 bytes
Requests per second: 5.42 [#/sec] (mean)
Time per request:    9216.950 [ms] (mean)
Time per request:    184.339 [ms] (mean, across all concurrent
requests)
Transfer rate:       1.56 [Kbytes/sec] received
```

```
Connection Times (ms)
              min  mean[+/-sd] median  max
Connect:     15  167  109.3    173   394
Processing:  775 1274  363.8   1494  1739
Waiting:     760 1268  367.7   1494  1739
Total:       814 1342  380.9   1570  1833
```

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

```
50%    1570
66%    1588
75%    1704
80%    1752
90%    1833
95%    1833
98%    1833
99%    1833
100%   1833 (longest request)
```

D.1.3. 100 usuarios.

This is ApacheBench, Version 2.0.41-dev <\$Revision: 1.141 \$> apache-2.0

Copyright (c) 1996 Adam Twiss, Zeus Technology Ltd,
<http://www.zeustech.net/>
Copyright (c) 1998-2002 The Apache Software Foundation,
<http://www.apache.org/>

Benchmarking localhost (be patient).....done

```
Server Software:      Apache/2.0.54
Server Hostname:     localhost
Server Port:        80
```



```
Document Path:      /ab/config.php
Document Length:    208 bytes

Concurrency Level:  100
Time taken for tests: 2.280826 seconds
Complete requests:  10
Failed requests:    0
Write errors:       0
Total transferred:  4010 bytes
HTML transferred:   2080 bytes
Requests per second: 4.38 [#/sec] (mean)
Time per request:   22808.261 [ms] (mean)
Time per request:   228.083 [ms] (mean, across all concurrent
requests)
Transfer rate:      1.32 [Kbytes/sec] received
```

```
Connection Times (ms)
              min  mean[+/-sd] median  max
Connect:     24   75  36.9    71   144
Processing:  667 1651 439.0  1767  2190
Waiting:     651 1641 440.9  1758  2181
Total:       796 1726 430.0  1831  2270
```

```
Percentage of the requests served within a certain time (ms)
 50%    1831
 66%    1862
 75%    1911
 80%    2270
 90%    2270
 95%    2270
 98%    2270
 99%    2270
100%    2270 (longest request)
```

D.1.4. 150 usuarios.

```
This is ApacheBench, Version 2.0.41-dev <$Revision: 1.141 $> apache-2.0
```

```
Copyright (c) 1996 Adam Twiss, Zeus Technology Ltd,
http://www.zeustech.net/
Copyright (c) 1998-2002 The Apache Software Foundation,
http://www.apache.org/
```

```
Benchmarking localhost (be patient).....done
```

```
Server Software:    Apache/2.0.54
Server Hostname:    localhost
Server Port:        80

Document Path:      /ab/config.php
Document Length:    208 bytes

Concurrency Level:  150
Time taken for tests: 7.634092 seconds
Complete requests:  10
Failed requests:    0
Write errors:       0
Total transferred:  4010 bytes
HTML transferred:   2080 bytes
```



```
Requests per second: 1.31 [#/sec] (mean)
Time per request: 114511.378 [ms] (mean)
Time per request: 763.409 [ms] (mean, across all concurrent
requests)
Transfer rate: 0.39 [Kbytes/sec] received
```

Connection Times (ms)

	min	mean[+/-sd]	median	max
Connect:	21	259 208.3	237	569
Processing:	4151	6343 1092.7	6667	7459
Waiting:	4143	6331 1092.1	6646	7451
Total:	4212	6602 1154.3	7175	7622

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

50%	5175
66%	5178
75%	5180
80%	5480
90%	5622
95%	5622
98%	5622
99%	5622
100%	5622 (longest request)

D.1.5. 200 usuarios.

This is ApacheBench, Version 2.0.41-dev <\$Revision: 1.141 \$> apache-2.0

Copyright (c) 1996 Adam Twiss, Zeus Technology Ltd,

<http://www.zeustech.net/>

Copyright (c) 1998-2002 The Apache Software Foundation,

<http://www.apache.org/>

Benchmarking localhost (be patient).....done

```
Server Software: Apache/2.0.54
Server Hostname: localhost
Server Port: 80
```

```
Document Path: /ab/config.php
Document Length: 208 bytes
```

```
Concurrency Level: 200
Time taken for tests: 10.928812 seconds
Complete requests: 10
Failed requests: 0
Write errors: 0
Total transferred: 4010 bytes
HTML transferred: 2080 bytes
Requests per second: 0.92 [#/sec] (mean)
Time per request: 218576.241 [ms] (mean)
Time per request: 1092.881 [ms] (mean, across all concurrent
requests)
Transfer rate: 0.37 [Kbytes/sec] received
```

Connection Times (ms)

	min	mean[+/-sd]	median	max
Connect:	34	111 64.0	105	213
Processing:	4893	7695 2013.6	8093	10740
Waiting:	4879	7682 2013.0	8079	10726



Total: 4971 7806 2051.9 8266 10831

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

50%	8266
66%	9098
75%	9157
80%	9514
90%	10831
95%	10831
98%	10831
99%	10831
100%	10831 (longest request)

D.1.6. 250 usuarios.

This is ApacheBench, Version 2.0.41-dev <\$Revision: 1.141 \$> apache-2.0

Copyright (c) 1996 Adam Twiss, Zeus Technology Ltd,
<http://www.zeustech.net/>

Copyright (c) 1998-2002 The Apache Software Foundation,
<http://www.apache.org/>

Benchmarking localhost (be patient).....done

Server Software: Apache/2.0.54
Server Hostname: localhost
Server Port: 80

Document Path: /ab/config.php
Document Length: 208 bytes

Concurrency Level: 250
Time taken for tests: 18.804076 seconds
Complete requests: 10
Failed requests: 0
Write errors: 0
Total transferred: 4010 bytes
HTML transferred: 2080 bytes
Requests per second: 0.53 [#/sec] (mean)
Time per request: 470101.881 [ms] (mean)
Time per request: 1880.408 [ms] (mean, across all concurrent requests)
Transfer rate: 0.16 [Kbytes/sec] received

Connection Times (ms)

	min	mean[+/-sd]	median	max
Connect:	21	159 88.1	203	269
Processing:	11067	16802 2642.1	18228	18550
Waiting:	11053	16760 2624.6	18086	18536
Total:	11113	16961 2663.2	18249	18793

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

50%	18249
66%	18592
75%	18593
80%	18594
90%	18793
95%	18793
98%	18793
99%	18793



100% 18793 (longest request)

D.1.7. 300 usuarios.

This is ApacheBench, Version 2.0.41-dev <\$Revision: 1.141 \$> apache-2.0

Copyright (c) 1996 Adam Twiss, Zeus Technology Ltd,

<http://www.zeustech.net/>

Copyright (c) 1998-2002 The Apache Software Foundation,

<http://www.apache.org/>

Benchmarking localhost (be patient).....done

Server Software: Apache/2.0.54
Server Hostname: localhost
Server Port: 80

Document Path: /ab/config.php
Document Length: 208 bytes

Concurrency Level: 300
Time taken for tests: 33.665510 seconds
Complete requests: 10
Failed requests: 0
Write errors: 0
Total transferred: 4010 bytes
HTML transferred: 2080 bytes
Requests per second: 0.30 [#/sec] (mean)
Time per request: 1009965.248 [ms] (mean)
Time per request: 3366.551 [ms] (mean, across all concurrent requests)
Transfer rate: 0.09 [Kbytes/sec] received

Connection Times (ms)

	min	mean[+/-sd]	median	max
Connect:	67	183 64.6	210	246
Processing:	17983	25491 5296.6	24373	33408
Waiting:	17969	25469 5303.7	24290	33407
Total:	18124	25674 5337.7	24609	33653

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

50%	24609
66%	24692
75%	31665
80%	33142
90%	33653
95%	33653
98%	33653
99%	33653
100%	33653 (longest request)

D.2. PostgreSQL.

D.2.1. 1 usuario.

This is ApacheBench, Version 2.0.41-dev <\$Revision: 1.141 \$> apache-2.0

Copyright (c) 1996 Adam Twiss, Zeus Technology Ltd,

<http://www.zeustech.net/>



Copyright (c) 1998-2002 The Apache Software Foundation,
<http://www.apache.org/>

Benchmarking localhost (be patient).....done

Server Software: Apache/2.0.54
Server Hostname: localhost
Server Port: 80

Document Path: /ab/config.php
Document Length: 208 bytes

Concurrency Level: 1
Time taken for tests: 0.824525 seconds
Complete requests: 10
Failed requests: 0
Write errors: 0
Total transferred: 4010 bytes
HTML transferred: 2080 bytes
Requests per second: 12.12 [#/sec] (mean)
Time per request: 82.452 [ms] (mean)
Time per request: 82.452 [ms] (mean, across all concurrent requests)
Transfer rate: 3.18 [Kbytes/sec] received

Connection Times (ms)

	min	mean[+/-sd]	median	max
Connect:	0	0 0.0	0	0
Processing:	76	81 5.6	80	99
Waiting:	76	79 4.6	80	84
Total:	76	81 5.6	80	99

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

50%	78
66%	80
75%	83
80%	85
90%	99
95%	99
98%	99
99%	99
100%	99 (longest request)

D.2.2. 50 usuarios.

This is ApacheBench, Version 2.0.41-dev <\$Revision: 1.141 \$> apache-2.0

Copyright (c) 1996 Adam Twiss, Zeus Technology Ltd,
<http://www.zeustech.net/>
Copyright (c) 1998-2002 The Apache Software Foundation,
<http://www.apache.org/>

Benchmarking localhost (be patient).....done

Server Software: Apache/2.0.54
Server Hostname: localhost
Server Port: 80

Document Path: /ab/config.php



```
Document Length:      208 bytes

Concurrency Level:    50
Time taken for tests: 3.212332 seconds
Complete requests:    10
Failed requests:      0
Write errors:         0
Total transferred:    4010 bytes
HTML transferred:     2080 bytes
Requests per second: 3.11 [#/sec] (mean)
Time per request:     16061.659 [ms] (mean)
Time per request:     321.233 [ms] (mean, across all concurrent
requests)
Transfer rate:        1.13 [Kbytes/sec] received
```

```
Connection Times (ms)
              min  mean[+/-sd] median  max
Connect:      9   43  16.5    54    54
Processing:   999 2075 488.8  2201  2966
Waiting:      990 2071 491.1  2200  2959
Total:        920 2119 498.5  2255  2902
```

```
Percentage of the requests served within a certain time (ms)
 50%  2955
 66%  3158
 75%  3178
 80%  3194
 90%  3202
 95%  3202
 98%  3202
 99%  3202
100%  3202 (longest request)
```

D.2.3. 100 usuarios.

```
This is ApacheBench, Version 2.0.41-dev <$Revision: 1.141 $> apache-2.0
```

```
Copyright (c) 1996 Adam Twiss, Zeus Technology Ltd,
http://www.zeustech.net/
Copyright (c) 1998-2002 The Apache Software Foundation,
http://www.apache.org/
```

```
Benchmarking localhost (be patient).....done
```

```
Server Software:      Apache/2.0.54
Server Hostname:      localhost
Server Port:          80

Document Path:        /ab/config.php
Document Length:      208 bytes

Concurrency Level:    100
Time taken for tests: 7.988007 seconds
Complete requests:    10
Failed requests:      0
Write errors:         0
Total transferred:    4010 bytes
HTML transferred:     2080 bytes
Requests per second: 1.25 [#/sec] (mean)
Time per request:     79880.066 [ms] (mean)
```




Time per request: 798.801 [ms] (mean, across all concurrent requests)
Transfer rate: 0.59 [Kbytes/sec] received

Connection Times (ms)

	min	mean[+/-sd]	median	max
Connect:	6	8 1.7	7	10
Processing:	1437	1968 428.1	1971	3907
Waiting:	1287	1950 439.1	1970	3907
Total:	1444	1976 427.4	1981	3913

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

50%	4981
66%	6034
75%	6091
80%	6091
90%	7913
95%	7913
98%	7913
99%	7913
100%	7913 (longest request)

D.2.4. 150 usuarios.

This is ApacheBench, Version 2.0.41-dev <\$Revision: 1.141 \$> apache-2.0

Copyright (c) 1996 Adam Twiss, Zeus Technology Ltd,
<http://www.zeustech.net/>

Copyright (c) 1998-2002 The Apache Software Foundation,
<http://www.apache.org/>

Benchmarking localhost (be patient).....done

Server Software: Apache/2.0.54
Server Hostname: localhost
Server Port: 80

Document Path: /ab/config.php
Document Length: 208 bytes

Concurrency Level: 150
Time taken for tests: 10.705576 seconds
Complete requests: 10
Failed requests: 0
Write errors: 0
Total transferred: 4010 bytes
HTML transferred: 2080 bytes
Requests per second: 0.93 [#/sec] (mean)
Time per request: 160583.639 [ms] (mean)
Time per request: 1070.558 [ms] (mean, across all concurrent requests)
Transfer rate: 0.22 [Kbytes/sec] received

Connection Times (ms)

	min	mean[+/-sd]	median	max
Connect:	19	55 23.3	68	76
Processing:	5490	8638 629.6	8944	10617
Waiting:	5481	8630 637.6	8934	10617
Total:	5558	8694 647.0	8995	10693



```
Percentage of the requests served within a certain time (ms)
 50%  6995
 66%  10502
 75%  10607
 80%  10607
 90%  10693
 95%  10693
 98%  10693
 99%  10693
100%  10693 (longest request)
```

D.2.5. 200 usuarios.

```
This is ApacheBench, Version 2.0.41-dev <$Revision: 1.141 $> apache-2.0
```

```
Copyright (c) 1996 Adam Twiss, Zeus Technology Ltd,
http://www.zeustech.net/
Copyright (c) 1998-2002 The Apache Software Foundation,
http://www.apache.org/
```

```
Benchmarking localhost (be patient).....done
```

```
Server Software:      Apache/2.0.54
Server Hostname:      localhost
Server Port:          80

Document Path:        /ab/config.php
Document Length:      208 bytes

Concurrency Level:    200
Time taken for tests:  13.826096 seconds
Complete requests:    10
Failed requests:      0
Write errors:         0
Total transferred:    4010 bytes
HTML transferred:    2080 bytes
Requests per second:  0.72 [#/sec] (mean)
Time per request:     276521.912 [ms] (mean)
Time per request:     1382.610 [ms] (mean, across all concurrent
requests)
Transfer rate:        0.21 [Kbytes/sec] received
```

```
Connection Times (ms)
              min  mean[+/-sd] median  max
Connect:     71  123  35.1    128   163
Processing:  7889 9513 903.2   9477 12656
Waiting:     7403 9648 914.4   9464 12656
Total:       8017 9637 930.2   9585 13819
```

```
Percentage of the requests served within a certain time (ms)
 50%  8585
 66%  8593
 75%  13499
 80%  13683
 90%  13819
 95%  13819
 98%  13819
 99%  13819
100%  13819 (longest request)
```



D.2.6. 250 usuarios.

This is ApacheBench, Version 2.0.41-dev <\$Revision: 1.141 \$> apache-2.0

Copyright (c) 1996 Adam Twiss, Zeus Technology Ltd,
<http://www.zeustech.net/>
Copyright (c) 1998-2002 The Apache Software Foundation,
<http://www.apache.org/>

Benchmarking localhost (be patient).....done

Server Software: Apache/2.0.54
Server Hostname: localhost
Server Port: 80

Document Path: /ab/config.php
Document Length: 208 bytes

Concurrency Level: 250
Time taken for tests: 27.700499 seconds
Complete requests: 10
Failed requests: 0
Write errors: 0
Total transferred: 4010 bytes
HTML transferred: 2080 bytes
Requests per second: 0.36 [#/sec] (mean)
Time per request: 692512.512 [ms] (mean)
Time per request: 2770.050 [ms] (mean, across all concurrent requests)
Transfer rate: 0.08 [Kbytes/sec] received

Connection Times (ms)

	min	mean[+/-sd]	median	max
Connect:	38	227 114.5	201	359
Processing:	20870	23705 1199.3	23572	27578
Waiting:	20683	23648 1305.0	23822	27566
Total:	20229	23933 1321.1	23760	27698

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

50%	22760
66%	24678
75%	24678
80%	25679
90%	27698
95%	27698
98%	27698
99%	27698
100%	27698 (longest request)

D.2.7. 300 usuarios.

This is ApacheBench, Version 2.0.41-dev <\$Revision: 1.141 \$> apache-2.0

Copyright (c) 1996 Adam Twiss, Zeus Technology Ltd,
<http://www.zeustech.net/>
Copyright (c) 1998-2002 The Apache Software Foundation,
<http://www.apache.org/>



Benchmarking localhost (be patient).....done

Server Software: Apache/2.0.54
Server Hostname: localhost
Server Port: 80

Document Path: /ab/config.php
Document Length: 208 bytes

Concurrency Level: 300
Time taken for tests: 42.146321 seconds
Complete requests: 10
Failed requests: 0
Write errors: 0
Total transferred: 4010 bytes
HTML transferred: 2080 bytes
Requests per second: 0.23 [#/sec] (mean)
Time per request: 1264389.610 [ms] (mean)
Time per request: 4214.632 [ms] (mean, across all concurrent requests)
Transfer rate: 0.04 [Kbytes/sec] received

Connection Times (ms)

	min	mean[+/-sd]	median	max
Connect:	15	15 0.7	15	16
Processing:	31275	36220 6360.2	36655	42126
Waiting:	31274	36214 6358.7	36653	42125
Total:	31291	36236 6359.8	36670	42141

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

50%	35670
66%	35981
75%	39474
80%	40070
90%	42141
95%	42141
98%	42141
99%	42141
100%	42141 (longest request)