Benchmarking Apache Tools

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Benchmark: Apache lounge

ab -n 10000 -c 10

```
Server Software:
Server Hostname:        localhost
Server Port:            7070

Document Path:          /personas/
Document Length:        235 bytes

Concurrency Level:      10
Time taken for tests:   7.340 seconds
Complete requests:      10000
Failed requests:        0
Total transferred:      3440000 bytes
HTML transferred:       2350000 bytes
Requests per second:    1362.44 [#/sec] (mean)
Time per request:       7.340 [ms] (mean)
Time per request:       0.734 [ms] (mean, across all concurrent requests)
Transfer rate:          457.70 [Kbytes/sec] received

Connection Times (ms)
              min  mean[+/-sd] median   max
Connect:        0    0   0.4      0       13
Processing:     1    7  12.8      6      400
Waiting:        0    7  12.8      5      399
Total:          1    7  12.8      6      400

Percentage of the requests served within a certain time (ms)
  50%      6
  66%      7
  75%      8
  80%      8
  90%     10
  95%     12
  98%     20
  99%     33
 100%    400 (longest request)

C:\Users\jhoan\Downloads\httpd-2.4.58-win64-VS17\Apache24\bin>
```

ab -n 10000 -c 100

```
Server Software:
Server Hostname:        localhost
Server Port:            7070

Document Path:          /personas/
Document Length:        235 bytes

Concurrency Level:      100
Time taken for tests:   7.730 seconds
Complete requests:      10000
Failed requests:        0
Total transferred:      3440000 bytes
HTML transferred:       2350000 bytes
Requests per second:    1293.65 [#/sec] (mean)
Time per request:       77.301 [ms] (mean)
Time per request:       0.773 [ms] (mean, across all concurrent requests)
Transfer rate:          434.59 [Kbytes/sec] received

Connection Times (ms)
              min  mean[+/-sd] median   max
Connect:        0    0   8.8      0      516
Processing:     0   77 101.8     51      735
Waiting:        0   76 100.3     51      735
Total:          0   77 102.1     51      736

Percentage of the requests served within a certain time (ms)
  50%     51
  66%     62
  75%     72
  80%     77
  90%    111
  95%    257
  98%    537
  99%    548
 100%    736 (longest request)

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```

ab -n 10000 -c 250

```
Server Software:
Server Hostname:        localhost
Server Port:            7070

Document Path:          /personas/
Document Length:        235 bytes

Concurrency Level:      250
Time taken for tests:   10.739 seconds
Complete requests:      10000
Failed requests:        0
Total transferred:      3440000 bytes
HTML transferred:       2350000 bytes
Requests per second:    931.17 [#/sec] (mean)
Time per request:       268.480 [ms] (mean)
Time per request:       1.074 [ms] (mean, across all concurrent requests)
Transfer rate:          312.81 [Kbytes/sec] received

Connection Times (ms)
              min  mean[+/-sd] median   max
Connect:        0    1  15.3      0     514
Processing:     1  261 255.3    159    1577
Waiting:        1  216 194.8    141    1074
Total:          2  261 255.9    160    1577

Percentage of the requests served within a certain time (ms)
  50%    160
  66%    242
  75%    346
  80%    442
  90%    596
  95%    669
  98%   1076
  99%   1156
 100%   1577 (longest request)

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```

ab -n 10000 -c 500

```
Server Software:
Server Hostname:        localhost
Server Port:            7070

Document Path:          /personas/
Document Length:        235 bytes

Concurrency Level:      500
Time taken for tests:   6.778 seconds
Complete requests:      10000
Failed requests:        0
Total transferred:      3440000 bytes
HTML transferred:       2350000 bytes
Requests per second:    1475.42 [#/sec] (mean)
Time per request:       338.887 [ms] (mean)
Time per request:       0.678 [ms] (mean, across all concurrent requests)
Transfer rate:          495.65 [Kbytes/sec] received

Connection Times (ms)
              min  mean[+/-sd] median   max
Connect:        0    0  10.1      0     515
Processing:     6  332 301.6    249    1709
Waiting:        1  282 168.6    246    1191
Total:          6  332 301.9    249    1709

Percentage of the requests served within a certain time (ms)
  50%    249
  66%    301
  75%    344
  80%    379
  90%    637
  95%   1142
  98%   1695
  99%   1698
 100%   1709 (longest request)

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```

ab -n 10000 -c 750

```
Server Software:
Server Hostname:        localhost
Server Port:            7070

Document Path:          /personas/
Document Length:        235 bytes

Concurrency Level:      750
Time taken for tests:   6.542 seconds
Complete requests:      10000
Failed requests:        0
Total transferred:      3440000 bytes
HTML transferred:       2350000 bytes
Requests per second:    1528.66 [#/sec] (mean)
Time per request:       490.626 [ms] (mean)
Time per request:       0.654 [ms] (mean, across all concurrent requests)
Transfer rate:          513.53 [Kbytes/sec] received

Connection Times (ms)
              min  mean[+/-sd] median   max
Connect:        0    0  10.2      0     513
Processing:    50  473 306.6    395    1309
Waiting:        1  390 213.0    369    1241
Total:         50  474 306.8    396    1309

Percentage of the requests served within a certain time (ms)
  50%    396
  66%    494
  75%    631
  80%    733
  90%    885
  95%   1261
  98%   1288
  99%   1304
 100%   1309 (longest request)

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```

ab -n 10000 -c 10000

```
Server Software:
Server Hostname:        localhost
Server Port:            7070

Document Path:          /personas/
Document Length:        235 bytes

Concurrency Level:      10000
Time taken for tests:   20.889 seconds
Complete requests:      10000
Failed requests:        0
Total transferred:      3440000 bytes
HTML transferred:       2350000 bytes
Requests per second:    478.71 [#/sec] (mean)
Time per request:       20889.382 [ms] (mean)
Time per request:       2.089 [ms] (mean, across all concurrent requests)
Transfer rate:          160.82 [Kbytes/sec] received

Connection Times (ms)
              min  mean[+/-sd] median   max
Connect:        0    2  28.6      0     516
Processing:   861 11027 6196.5  10447   20428
Waiting:        1 10574 6307.3   9988   20192
Total:        861 11029 6196.4  10447   20428

Percentage of the requests served within a certain time (ms)
  50%  10447
  66%  14649
  75%  17270
  80%  18373
  90%  19773
  95%  20361
  98%  20402
  99%  20417
 100%  20428 (longest request)

C:\Users\jhoan\Downloads\httpd-2.4.58-win64-VS17\Apache24\bin>
```
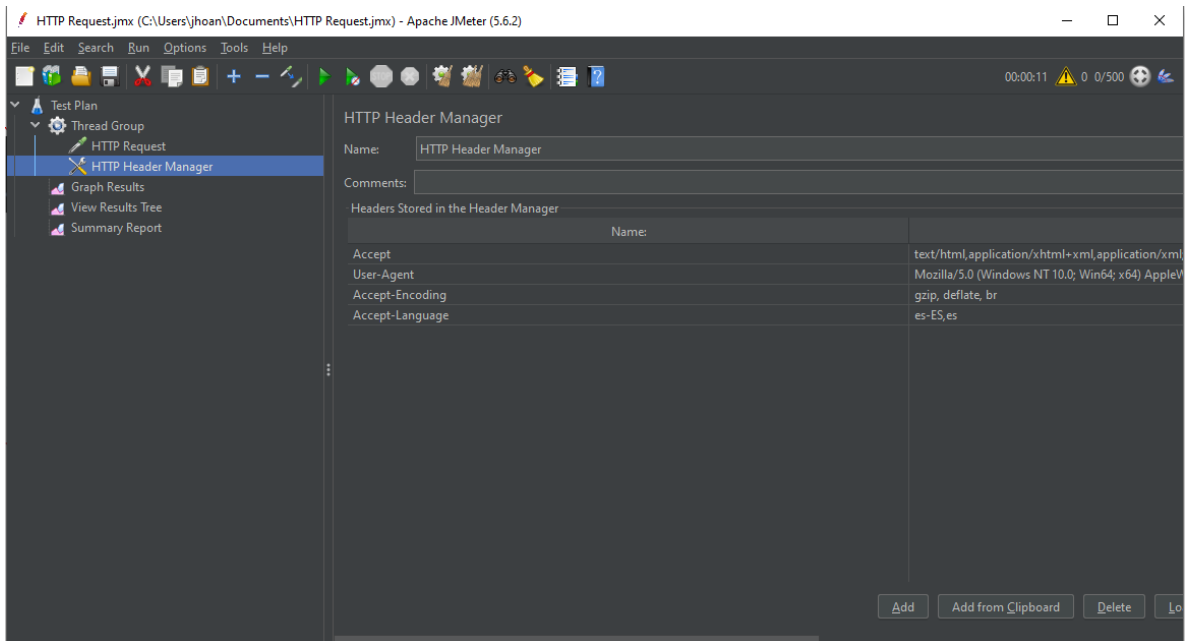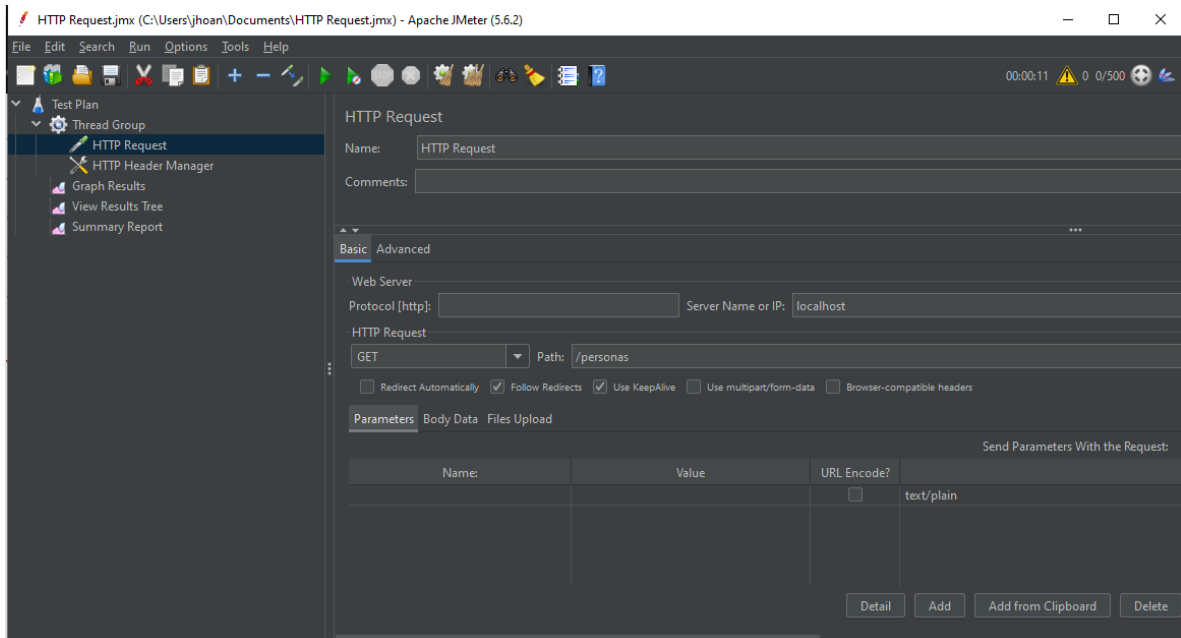
Benchmark: JMeter

[
  {
    "rut": "12345678-9",
    "nombre": "Juan",
    "apellidos": "Perez",
    "email": "jhoan@gmail.com",
    "telefono": "12345678",
    "id": 1,
    "version": 1,
    "created": 1700071363574,
    "modified": 1700071363574
  }
]

Summary Report

Name: Summary Report

Comments:

Write results to file / Read from file

Filename:

Label	# Samples	Average	Min	Max	Std. Dev.
HTTP Request	500	57	0	392	98.44
TOTAL	500	57	0	392	98.44

Include group name in label? Save Table Data

Aggregate Report

Name: Aggregate Report

Comments:

Write results to file / Read from file

Filename: Browse...   Log/Display Only: Errors Successes   Configure

Label	# Samples	Average	Median	90% Line	95% Line	99% Line	Min	Maximu...	Error %	Through...	Receive...	Sent KB/...
HTTP Re...	500	57	8	262	289	364	0	392	19.80%	488.3/sec	379.86	162.91
TOTAL	500	57	8	262	289	364	0	392	19.80%	488.3/sec	379.86	162.91

Include group name in label? Save Table Data Save Table Header