

PerformanceMetrics

Performance issues

- need performance tests/regressions

Performance results

TEST 1-static img file

1G CPU , 512M MEM , CentOS 5.4(EXT4) , 20G IDE DISK

```
$ webbench -t 30 -c 10 -p 127.0.0.1:8080 http://www.apache.org/images/feather-small.gif
Webbench - Simple Web Benchmark 1.5
Copyright (c) Radim Kolar 1997-2004, GPL Open Source Software.

Benchmarking: GET http://www.apache.org/images/feather-small.gif
10 clients, running 30 sec, via proxy server 127.0.0.1:8080.

Speed=260178 pages/min, 33840485 bytes/sec.
Requests: 130089 succeed, 0 failed.
$ expr 260178 / 60
4336
$ webbench -t 30 -c 30 -p 127.0.0.1:8080 http://www.apache.org/images/feather-small.gif
Webbench - Simple Web Benchmark 1.5
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Benchmarking: GET http://www.apache.org/images/feather-small.gif
30 clients, running 30 sec, via proxy server 127.0.0.1:8080.

Speed=262838 pages/min, 34180806 bytes/sec.
Requests: 131419 succeed, 0 failed.
$ expr 262838 / 60
4380
```

It's so closed to open 10 or 30 clients to do this test . And if we have more machines to run webbench , or we have a powerful server to setup trafficserver (4core CPU, 4G MEM , and so on) , I think we will have the better test result .

Same time & same machine , do the same test to squid3.1 & Varnish2.1.3

```
(1)Squid
$ webbench -t 30 -c 10 -p 127.0.0.1:3128 http://www.apache.org/images/feather-small.gif
Webbench - Simple Web Benchmark 1.5
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Benchmarking: GET http://www.apache.org/images/feather-small.gif
10 clients, running 30 sec, via proxy server 127.0.0.1:3128.

Speed=132158 pages/min, 17547771 bytes/sec.
Requests: 66079 succeed, 0 failed.
$ expr 132158 / 60
2202
(2)Varnish
$ webbench -t 30 -c 10 -p 127.0.0.1:8180 http://www.apache.org/images/feather-small.gif
Webbench - Simple Web Benchmark 1.5
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Benchmarking: GET http://www.apache.org/images/feather-small.gif
10 clients, running 30 sec, via proxy server 127.0.0.1:8180.

Speed=199988 pages/min, 2179891 bytes/sec.
Requests: 99994 succeed, 0 failed.
$ expr 199988 / 60
3333
```

Result

Pro	Req/Sec
TS	4336
Squid	2202
Varnish	3333

TEST 2-dynamic page

```
$ webbench -t 30 -c 10 -p 127.0.0.1:8080 http://www.apache.org/
$ webbench -t 30 -c 10 -p 127.0.0.1:3128 http://www.apache.org/
$ webbench -t 30 -c 10 -p 127.0.0.1:8180 http://www.apache.org/
```

Result

Pro	Req/Sec
TS	2829
Squid	1063
Varnish	2903

Profiling results