Lab 2 Benchmarking Results CSC326 – Group 24

Maximum number of connections that can be handled by the server before any connection drops: 1000

Maximum number of requests per second (RPS) that can be sustained by the server when operating with maximum number of connections: 213.34 /sec

Average and 99 percentile of response time or latency per request: 350 ms

Utilization of CPU, memory, disk IO, and network when max performance is sustained:

	tota	al-cr	ou-us	sage.		,	-memory	-usage		 -dsk/t	otal-	-net/1	total-
							buff				writ		send
3	1	92	3	Θ			26.1M	469M	419M		1719k	Θ	Θ
Θ	Θ	100	Θ	Θ	Θ	78.4M	26.1M	469M	419M	Θ	0	260B	1206B
Θ	Θ	100	Θ	Θ	Θ	78.4M	26.1M	469M	419M	Θ	Θ	104B	460B
Θ	Θ	100	Θ	Θ	Θ	78.4M	26.1M	469M	419M	Θ	Θ	104B	460B
Θ	Θ	100	Θ	Θ	Θ	78.4M	26.1M	469M	419M	Θ	0	104B	460B
Θ	Θ	100	Θ	Θ	Θ	78.4M	26.1M	469M	419M	Θ	Θ	104B	460B
Θ	Θ	100	Θ	0	Θ	78.4M	26.1M	469M	419M	Θ	72k	104B	460B
Θ	Θ	100	Θ	Θ	Θ	78.4M	26.1M	469M	419M	Θ	Θ	104B	460B
Θ	Θ	100	Θ	Θ	Θ	78.4M	26.1M	469M	419M	Θ	Θ	104B	460B
Θ	Θ	100	Θ	Θ	Θ	78.4M	26.1M	469M	419M	Θ	0	104B	460B
Θ	Θ	100	Θ	Θ	Θ	78.4M	26.1M	469M	419M	Θ	0	104B	460B
Θ	Θ	100	Θ	Θ	Θ	78.4M	26.1M	469M	419M	Θ	Θ	104B	460B
Θ	Θ	100	Θ	Θ	Θ	78.4M	26.1M	469M	419M	Θ	0	104B	460B
Θ	Θ	100	Θ	Θ	Θ	78.4M	26.1M	469M	419M	Θ	0	104B	460B
Θ	Θ	100	Θ	Θ			26.1M	469M	419M	Θ	0	104B	460B
Θ	Θ	100	Θ	Θ	Θ	78.4M	26.1M	469M	419M	Θ	Θ	104B	460B
Θ	Θ	100	Θ	Θ	Θ	78.4M	26.1M	469M	419M	Θ	Θ	104B	460B
Θ	Θ	100	Θ	Θ	Θ	78.4M	26.1M	469M	419M	Θ	0	104B	460B
Θ	Θ	100	Θ	Θ	Θ	78.4M	26.1M	469M	419M	Θ	0	104B	460B
Θ	Θ	100	Θ	Θ	Θ	78.4M	26.1M	469M	419M	Θ	Θ	104B	460B
Θ	Θ	100	Θ	Θ	Θ	78.4M	26.1M	469M	419M	Θ	728k	104B	460B
Θ	Θ	100	Θ	Θ	Θ	78.4M	26.1M	469M	419M	Θ	0	104B	460B
Θ	Θ	100	Θ	Θ	Θ	78.4M	26.1M	469M	419M	Θ	0	104B	460B

Command:

ab -n 1000 -c 50 http://35.172.205.127:80/?keywords=csc326+lab2

Output:

This is ApacheBench, Version 2.3 <\$Revision: 1826891 \$> Copyright 1996 Adam Twiss, Zeus Technology Ltd, http://www.zeustech.net/ Licensed to The Apache Software Foundation, http://www.apache.org/ Benchmarking 35.172.205.127 (be patient) Completed 100 requests Completed 200 requests Completed 300 requests Completed 400 requests Completed 500 requests Completed 600 requests Completed 700 requests Completed 800 requests Completed 900 requests Completed 1000 requests Finished 1000 requests Server Software: WSGIServer/0.1 Server Hostname: 35.172.205.127 Server Port: 80 Document Path: /?keywords=csc326+lab2 Document Length: 1613 bytes Concurrency Level: 50 Time taken for tests: 4.687 seconds Complete requests: 1000 Failed requests: Total transferred: 1768000 bytes 1613000 bytes HTML transferred: Requests per second: Time per request: Time per request: 213.34 [#/sec] (mean) 234.366 [ms] (mean) Time per request: 4.687 [ms] (mean, across all concurrent requests) 368.35 [Kbytes/sec] received Transfer rate: Connection Times (ms) min mean[+/-sd] median max Connect: 50 103 39.2 99 1203 Processing: 54 115 37.7 103 561 104 Waiting: 51 23.4 101 561 Total: 110 218 54.5 204 1320 Percentage of the requests served within a certain time (ms) 204 50% 66% 215

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75% 227
80% 233
90% 280
95% 298
98% 335
99% 350
100% 1320 (longest request)
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