Project "AT-2"

A report on the results of the load testing

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Operating system: **Ubuntu (64-bit).**

Web server: **Apache.**
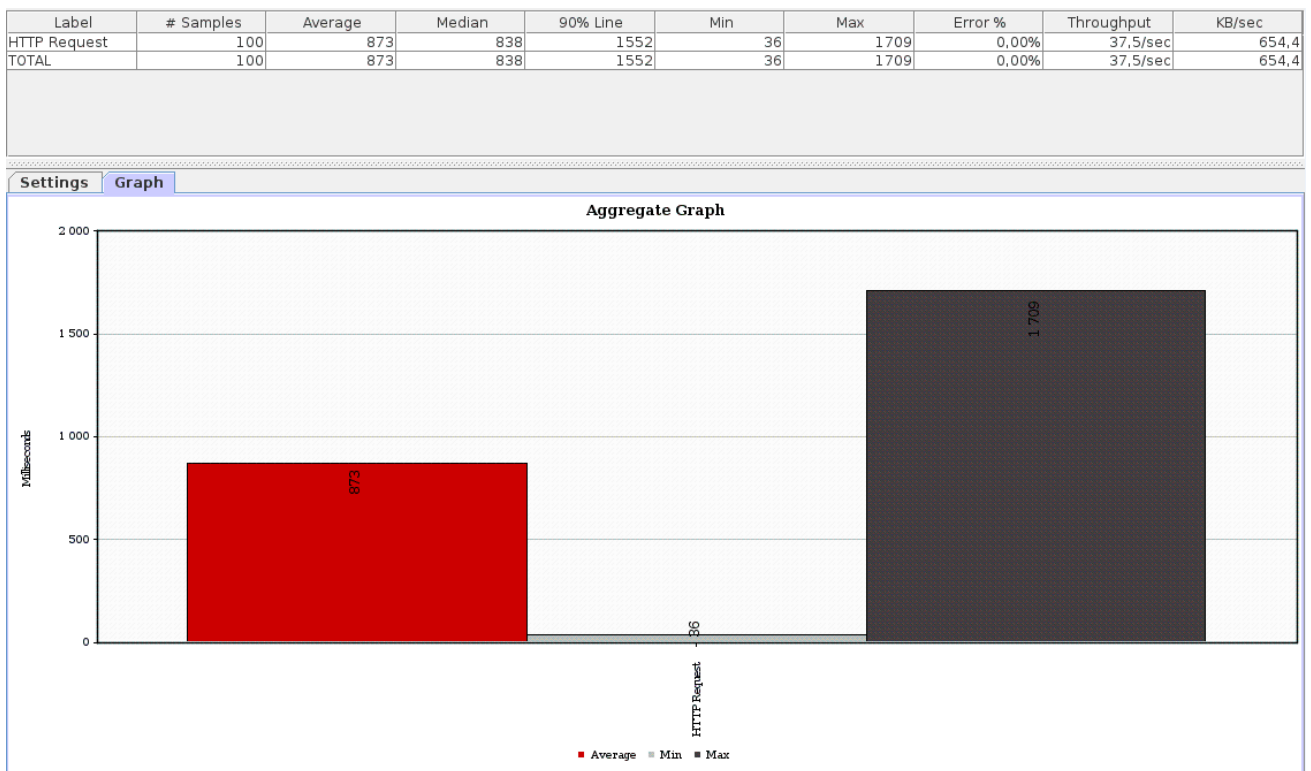
Relational database management system: **MySQL.**

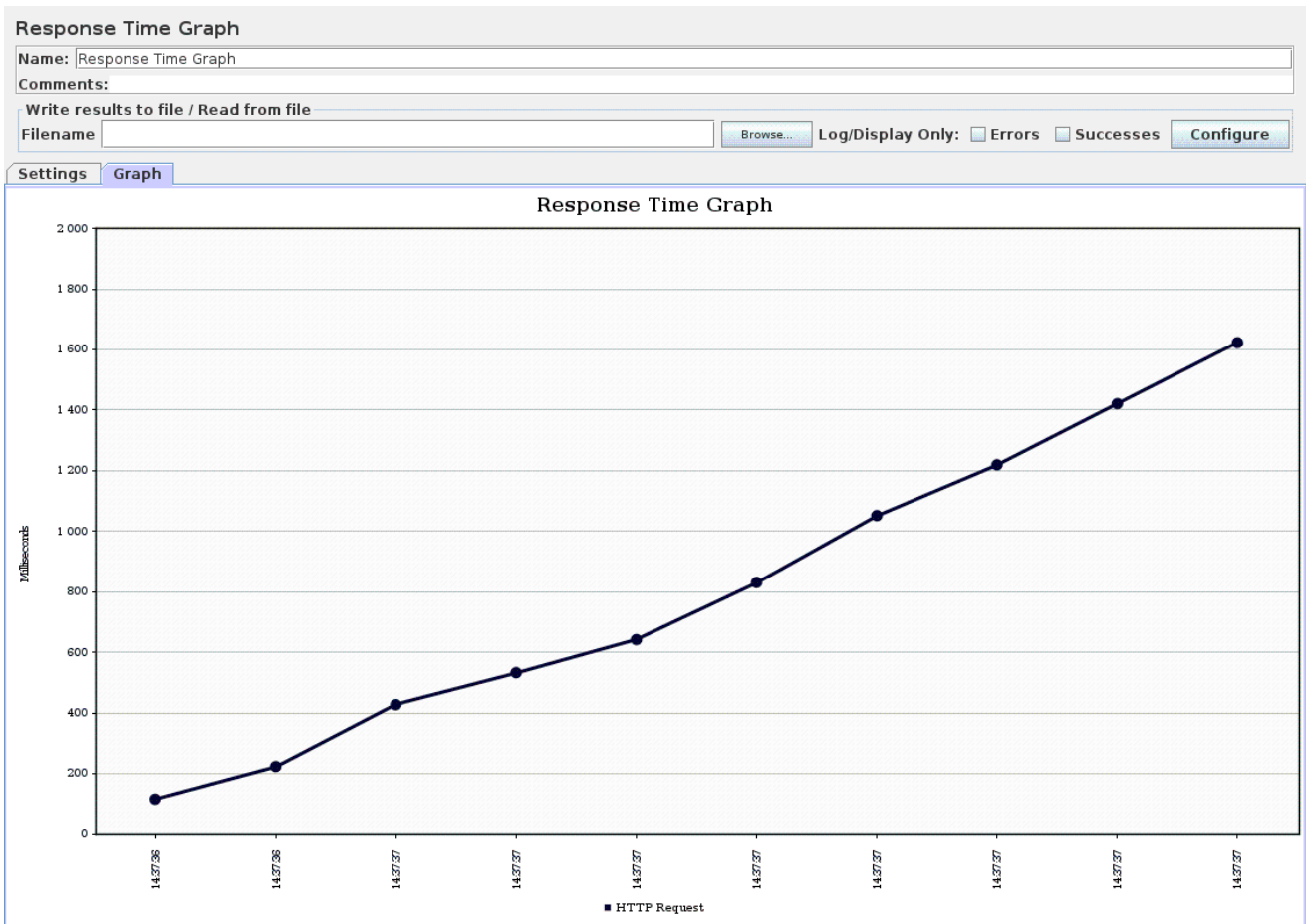Runtime: **PHP.**

Content management system: **WordPress.**

Test perform software: **Apache JMeter.**

Conducted stress testing site http://localhost/

Emulated user requests with different time period and different number of users.

Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
HTTP Request	100	873	838	1552	36	1709	0,00%	37,5/sec	654,4
TOTAL	100	873	838	1552	36	1709	0,00%	37,5/sec	654,4

Graphics № 1 User - 100, time - 1 seconds.

Response Time Graph

Name: Response Time Graph

Comments:

Write results to file / Read from file

Filename [   ] [Browse...] Log/Display Only: ☐ Errors ☐ Successes [Configure]

[Settings] [Graph]

Graphics № 2 User - 100, time - 1 seconds.

Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
HTTP Request	500	4686	4070	9066	110	10064	0,00%	42,1/sec	734,5
TOTAL	500	4686	4070	9066	110	10064	0,00%	42,1/sec	734,5

[Settings] [Graph]
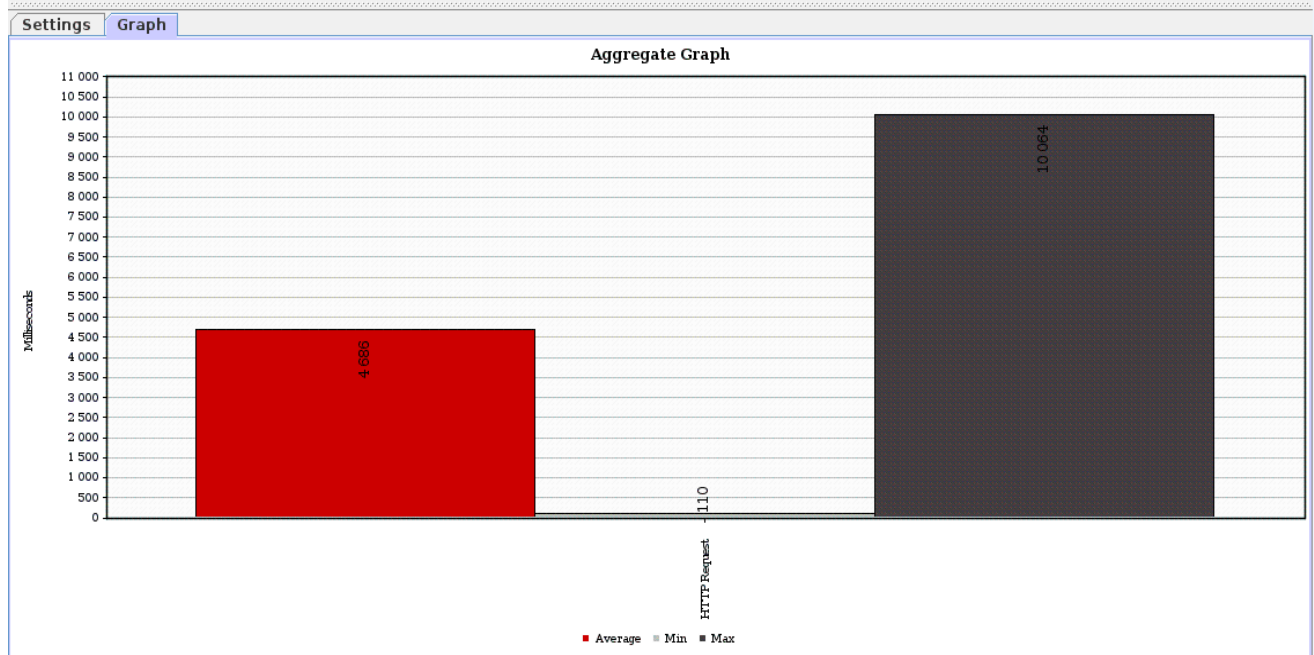
Graphics № 3 User - 500, time - 1 seconds.

Response Time Graph

Name: Response Time Graph
Comments:

Write results to file / Read from file
Filename: [ ] Browse... Log/Display Only: ☐ Errors ☐ Successes [Configure]

Settings | Graph
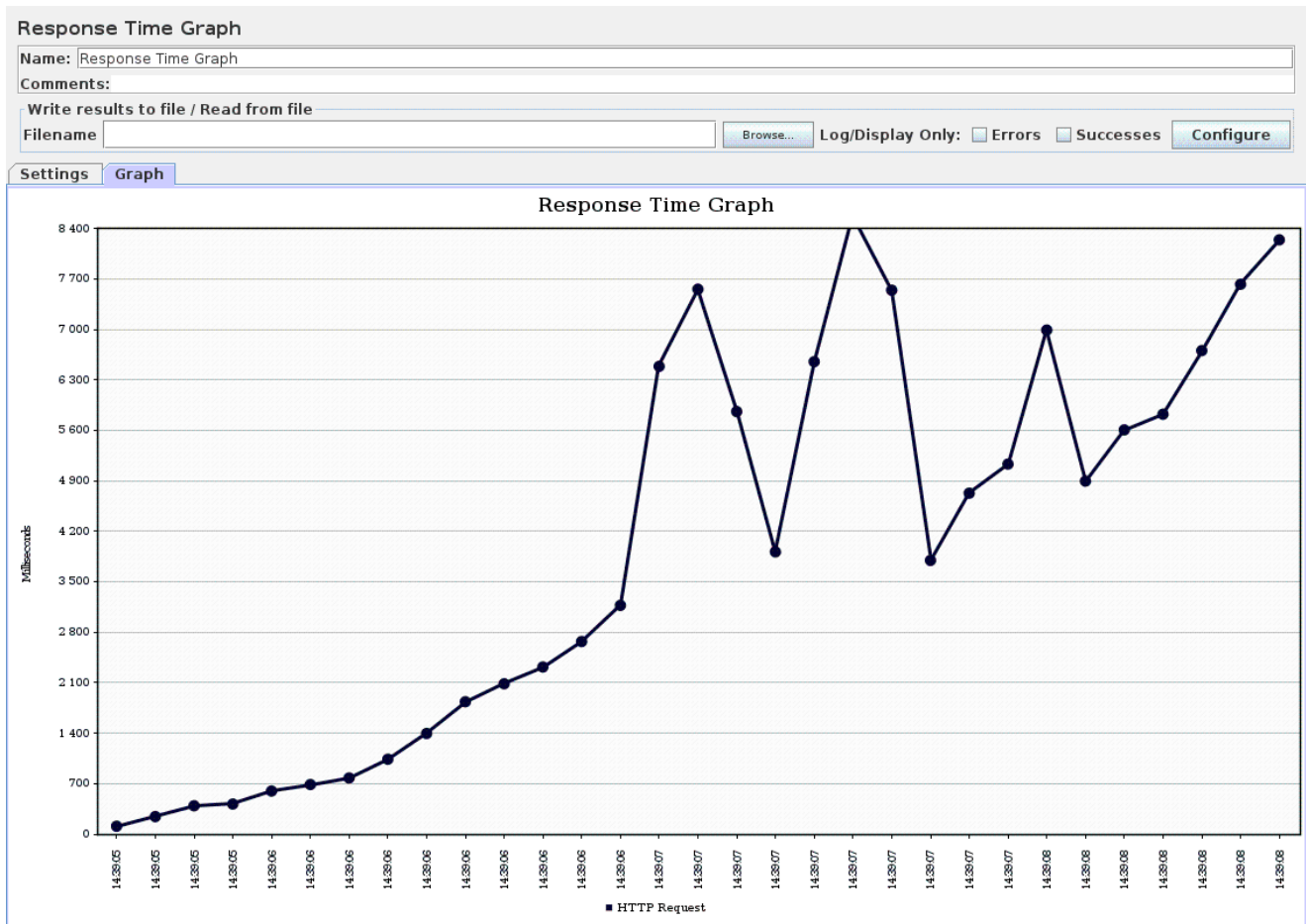
Graphics № 4 User - 500, time - 1 seconds.

Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
HTTP Request	1000	9139	7824	18881	78	20945	0,00%	43,3/sec	756,1
TOTAL	1000	9139	7824	18881	78	20945	0,00%	43,3/sec	756,1

Settings | Graph
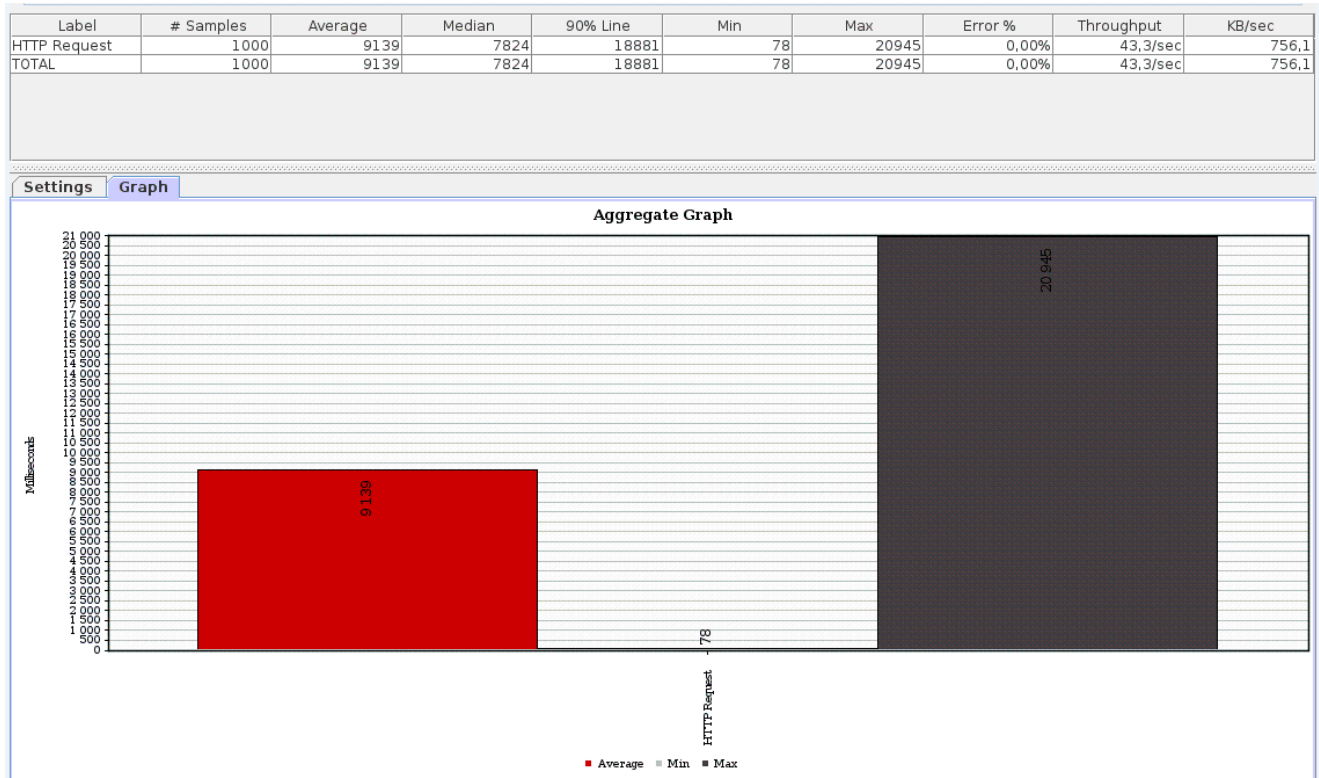
Graphics № 5 User - 1000, time - 1 seconds.

Response Time Graph

Name: Response Time Graph
Comments:

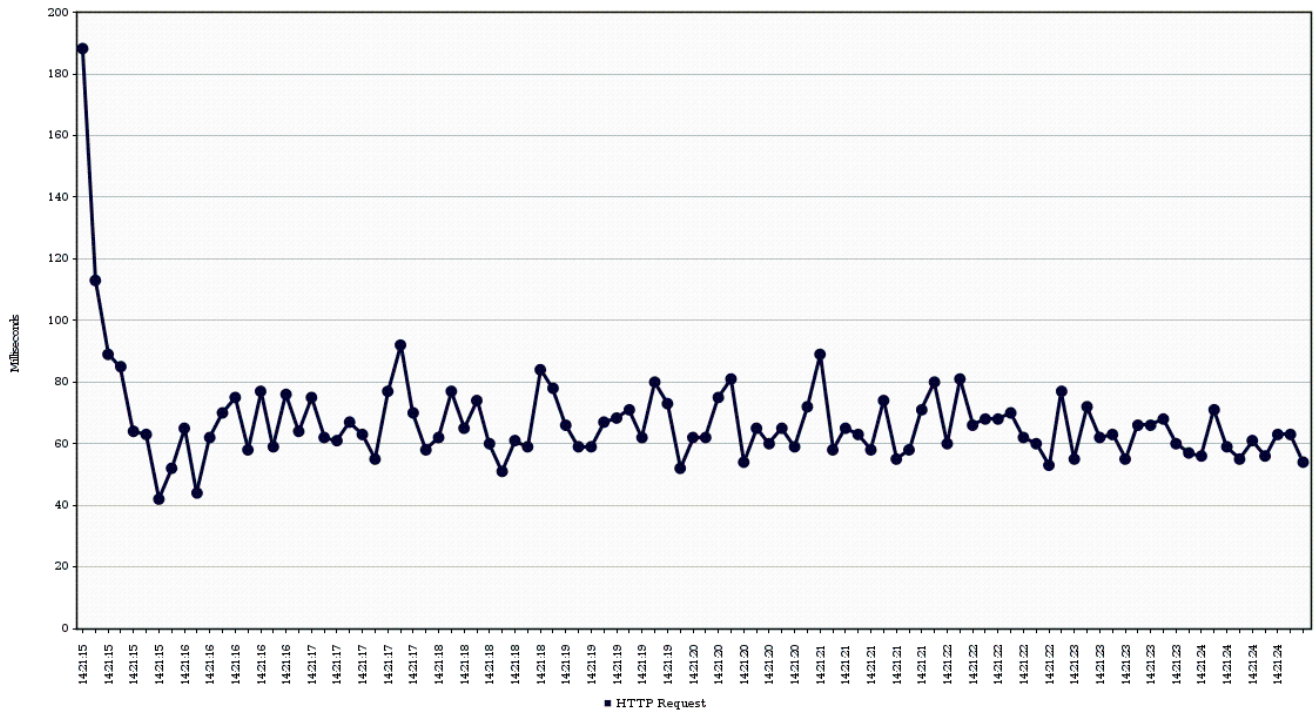Write results to file / Read from file

Filename [ ] Browse... | Log/Display Only: ☐ Errors ☐ Successes | Configure

Settings | **Graph**
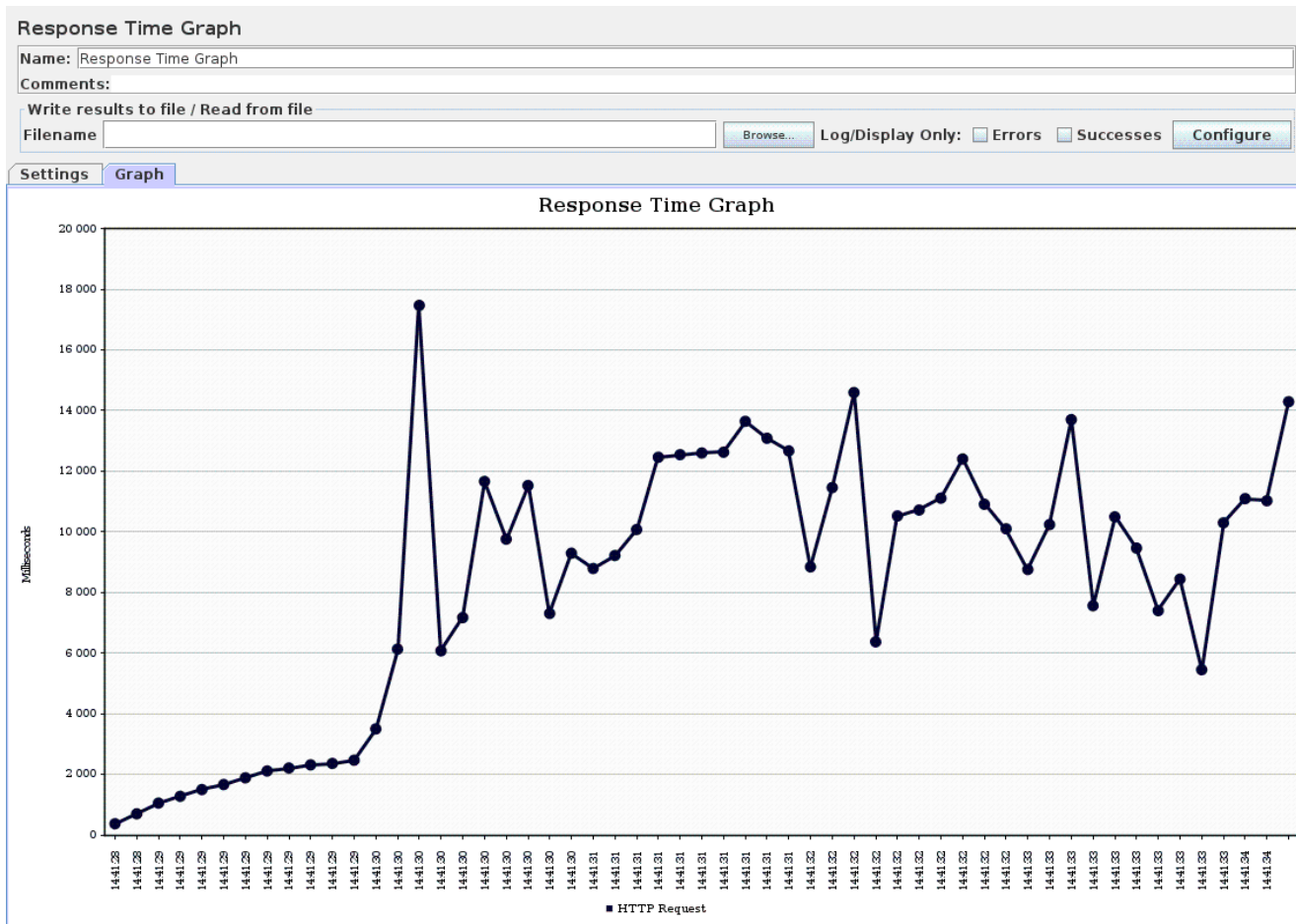
Graphics № 6 User - 1000, time - 1 seconds.

Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
HTTP Request	100	70	63	81	42	190	0,00%	10,2/sec	178,4
TOTAL	100	70	63	81	42	190	0,00%	10,2/sec	178,4
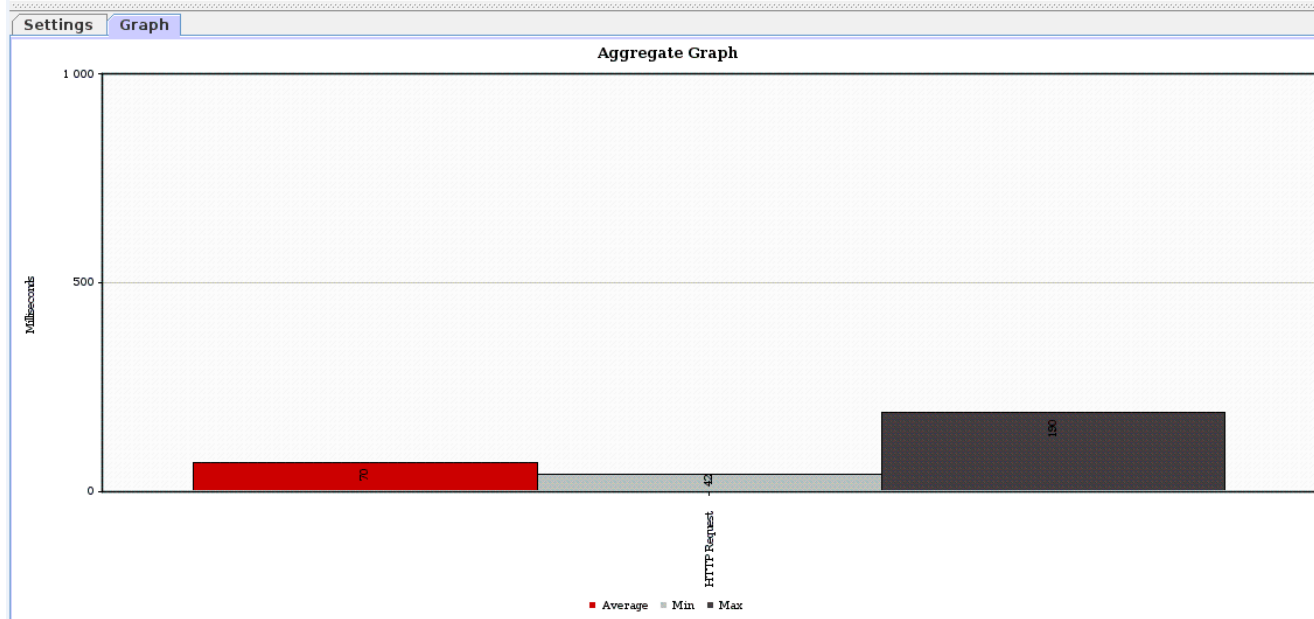
Settings | **Graph**

Graphics № 7 User - 100, time - 10 seconds.

Response Time Graph

Settings | Graph

Graphics № 8 User - 100, time - 10 seconds.

Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
HTTP Request	500	335	297	596	56	1087	0,00%	36,9/sec	645,0
TOTAL	500	335	297	596	56	1087	0,00%	36,9/sec	645,0

Settings | Graph

Graphics № 9 User - 500, time - 10 seconds.

Response Time Graph

Name: Response Time Graph
Comments:

Write results to file / Read from file
Filename [   ] Browse... Log/Display Only: ☐ Errors ☐ Successes Configure
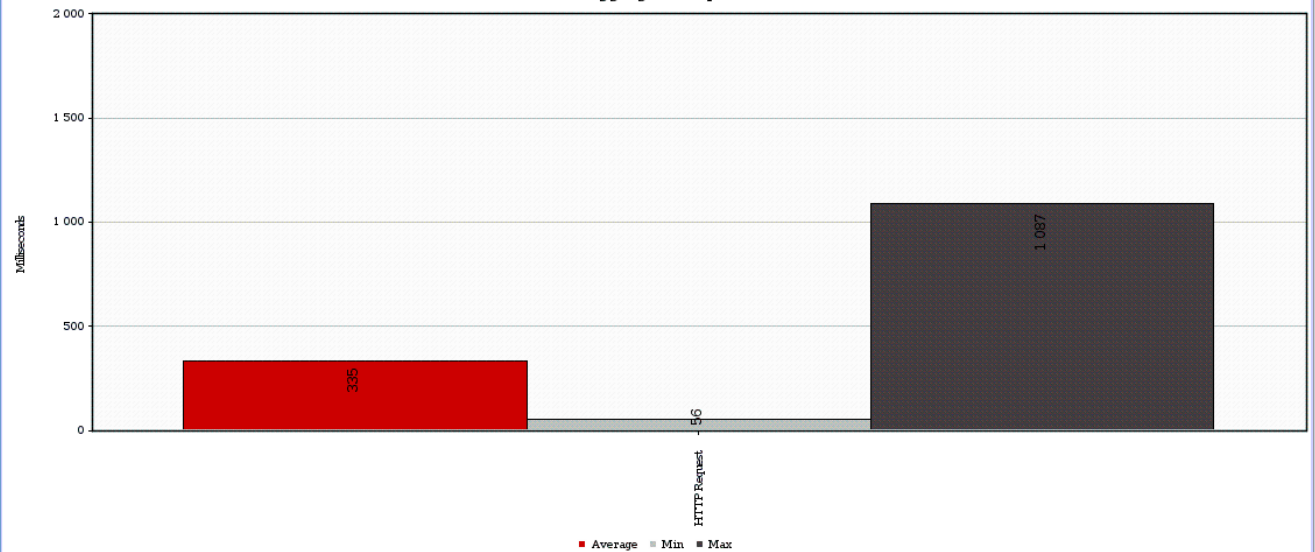
[Settings] [**Graph**]
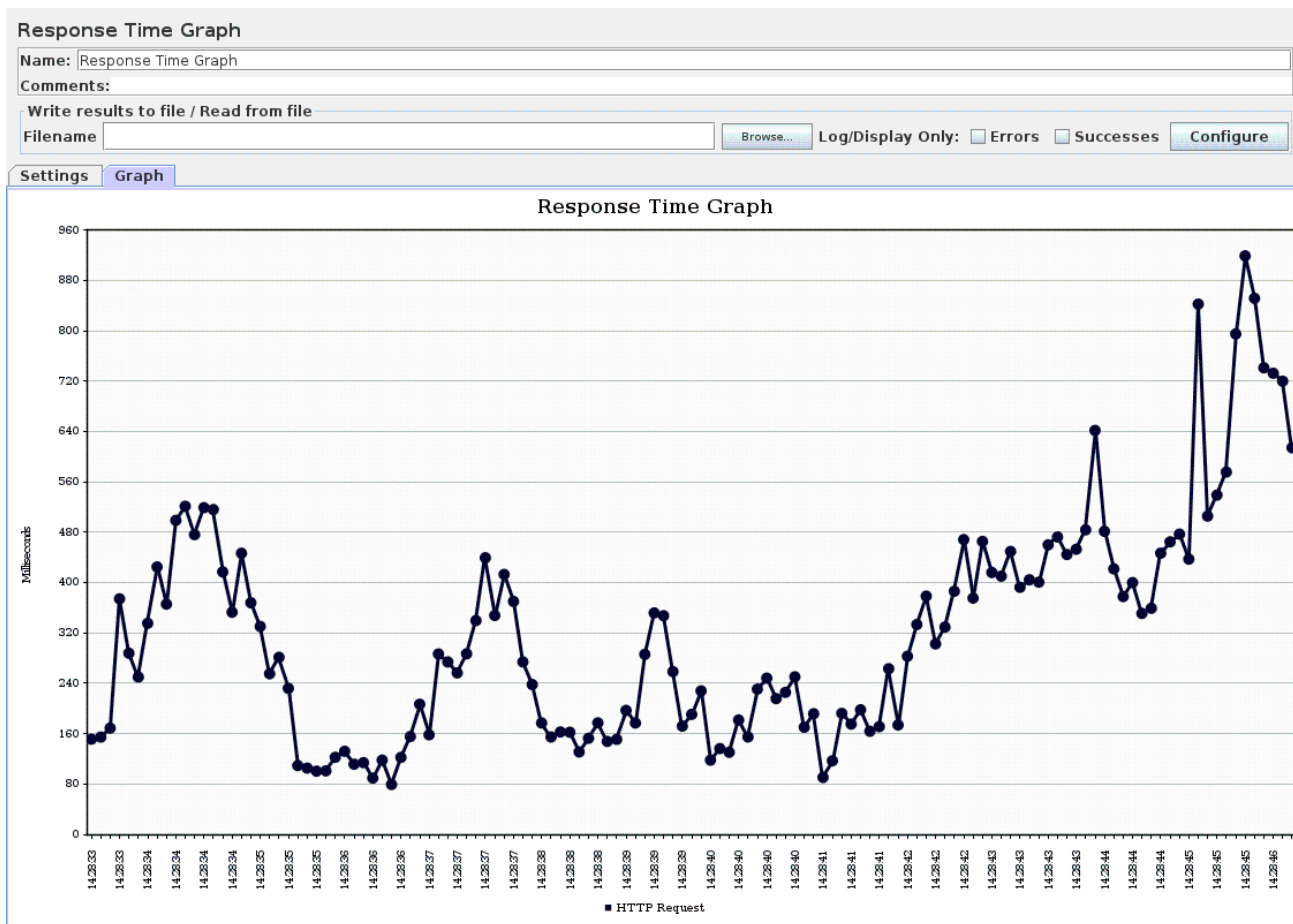
Graphics № 10 User - 500, time - 10 seconds.

Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
HTTP Request	1000	5354	5323	9701	91	16161	0,00%	39,0/sec	681,5
TOTAL	1000	5354	5323	9701	91	16161	0,00%	39,0/sec	681,5

[Settings] [**Graph**]
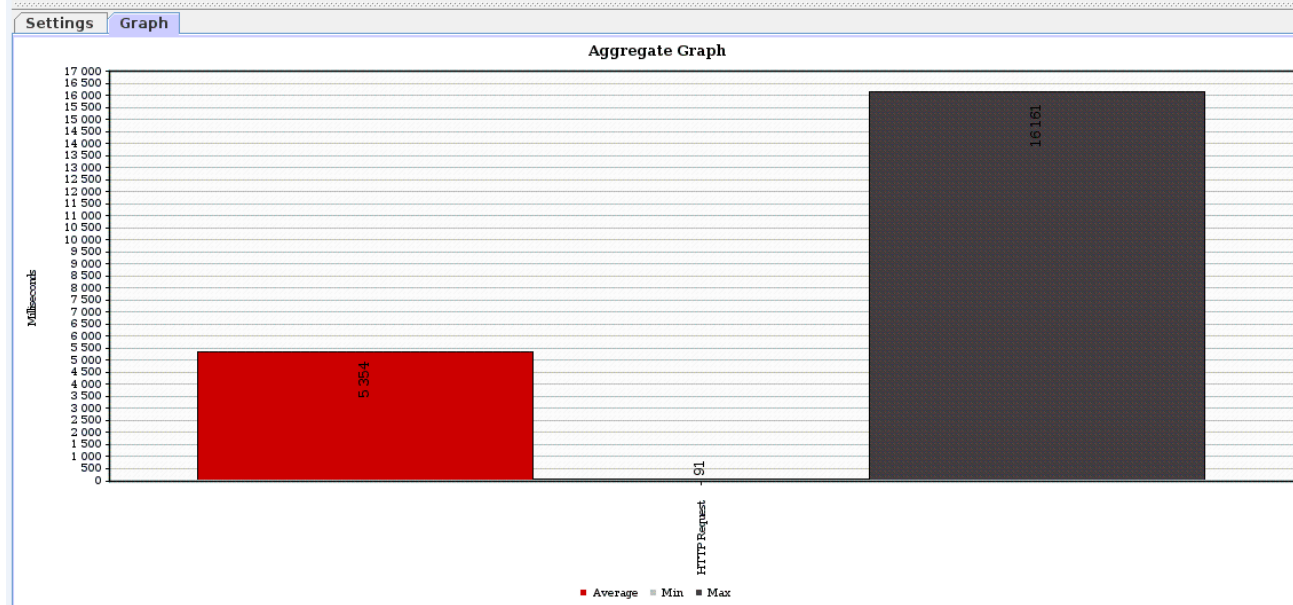
Graphics № 11 User - 1000, time - 10 seconds.

Response Time Graph

Name: Response Time Graph

Comments:

Write results to file / Read from file

Filename [   ] [Browse...] Log/Display Only: ☐ Errors ☐ Successes [Configure]

(Settings | Graph)
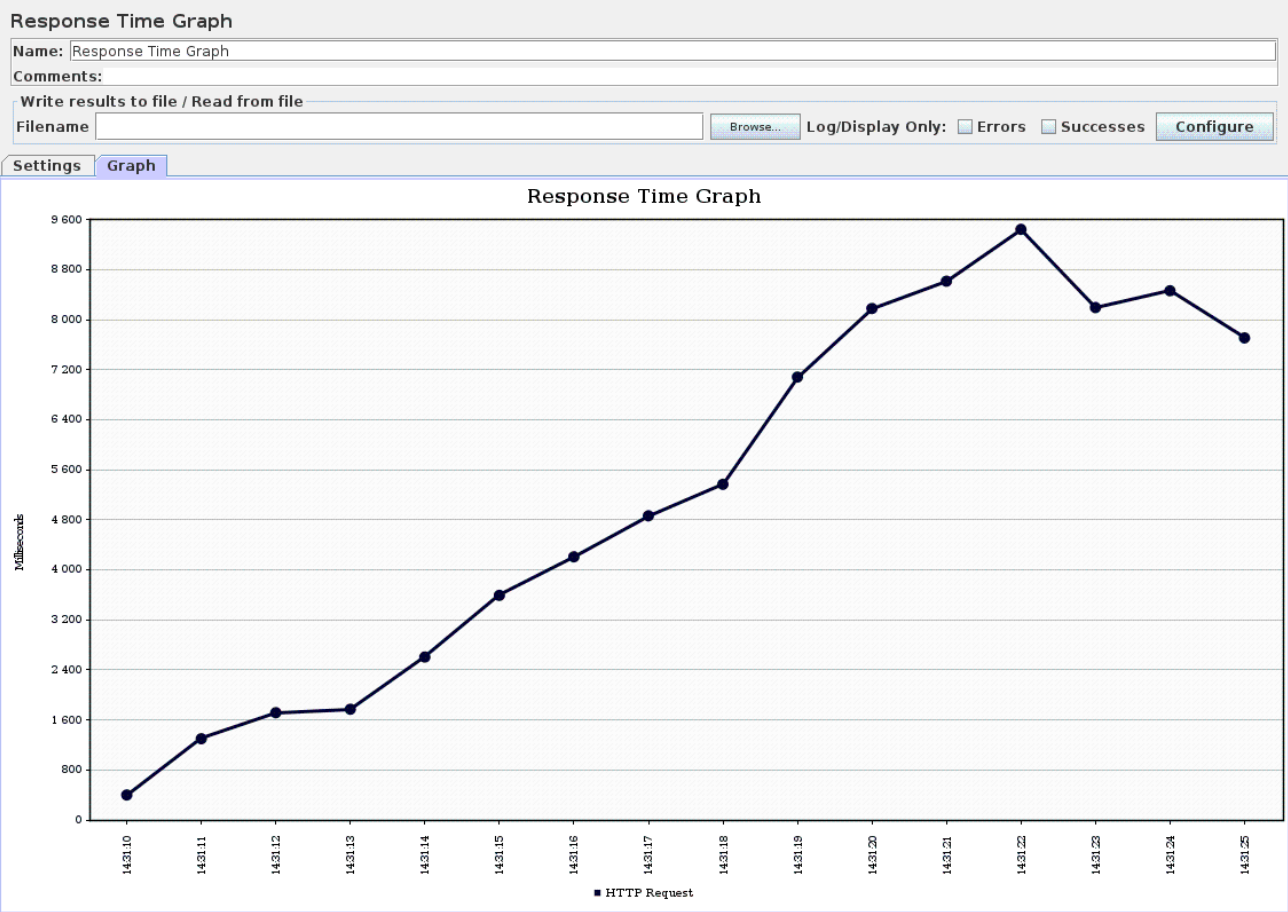
Graphics № 12 User - 1000, time - 10 seconds.

Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
HTTP Request	5000	31760	20813	72319	117	127297	6,72%	36,9/sec	606,0
TOTAL	5000	31760	20813	72319	117	127297	6,72%	36,9/sec	606,0

(Settings | Graph)
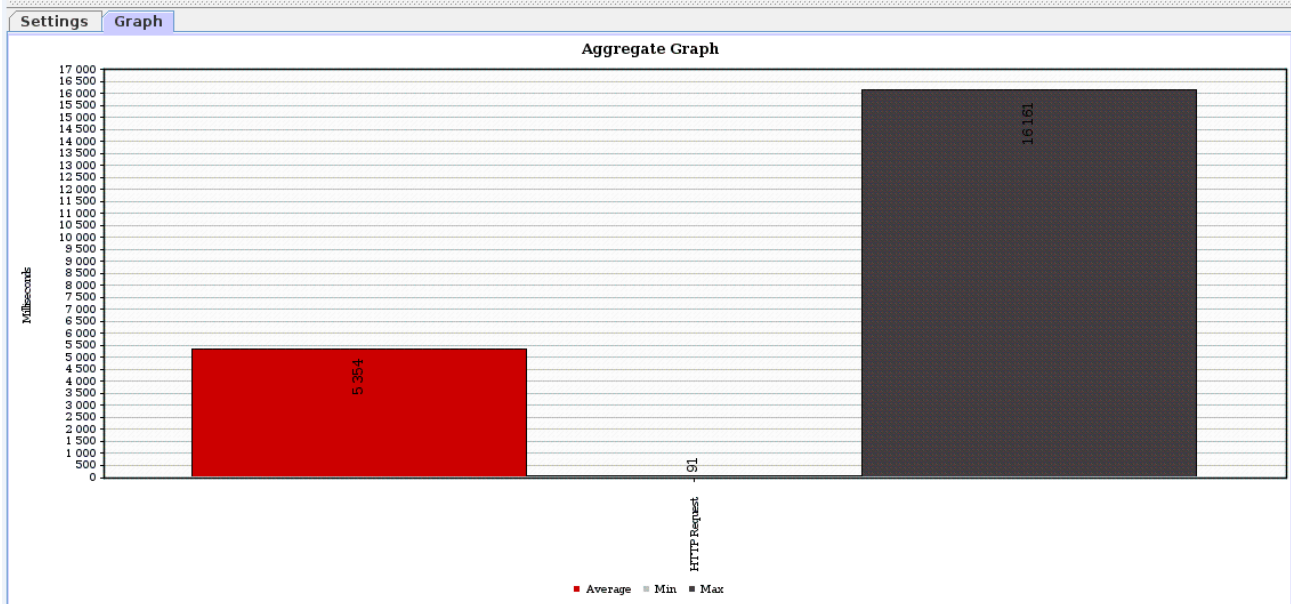
Graphics № 13 User - 5000, time - 10 seconds.

Response Time Graph

Name:	Response Time Graph
Comments:	

Write results to file / Read from file

Filename: [   ] [Browse...] Log/Display Only: ☐ Errors ☐ Successes [Configure]

[Settings][Graph]
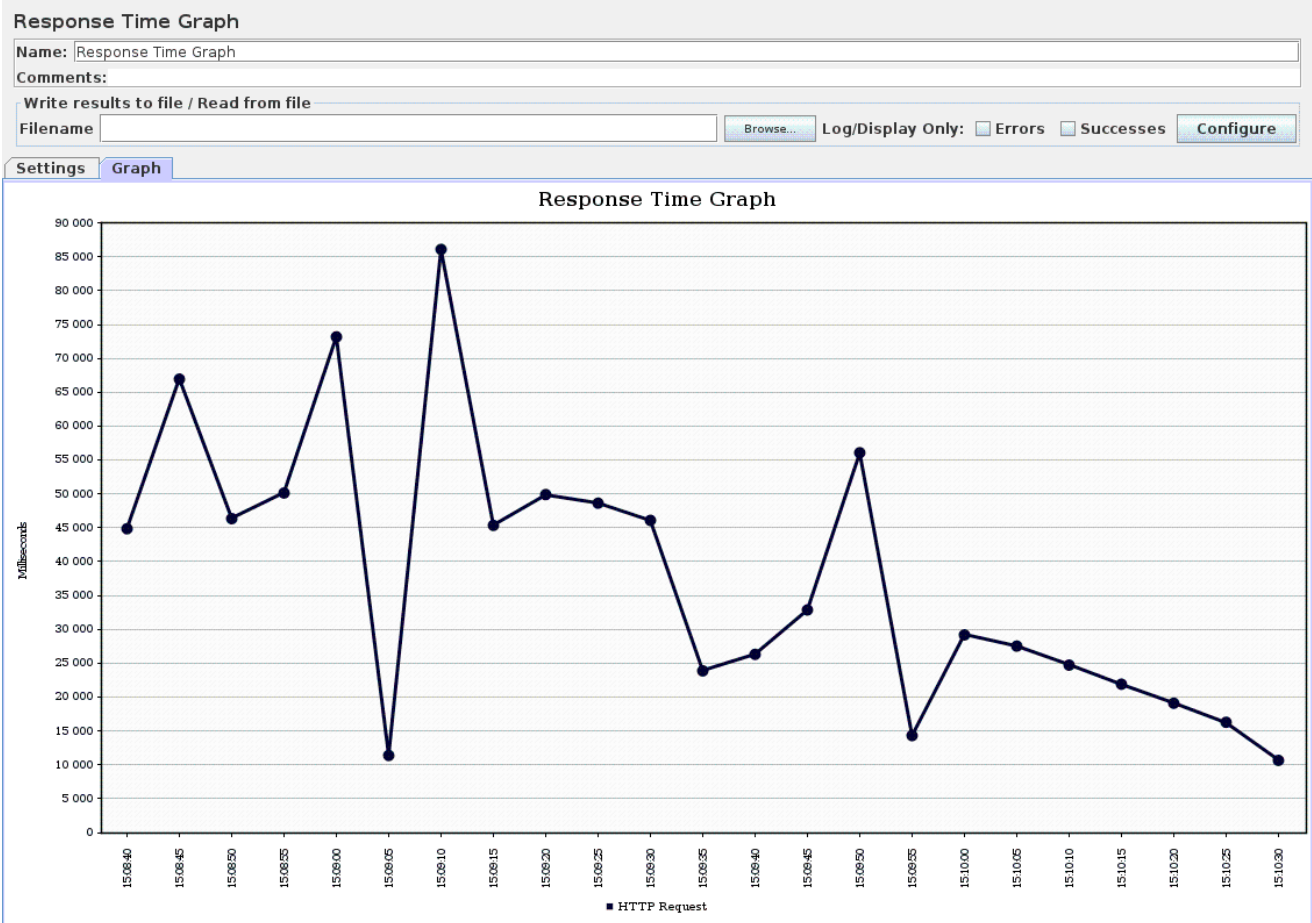
Graphics № 14 User - 5000, time - 10 seconds.

Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
HTTP Request	100	52	55	72	29	85	0,00%	5,0/sec	88,0
TOTAL	100	52	55	72	29	85	0,00%	5,0/sec	88,0

[Settings][Graph]
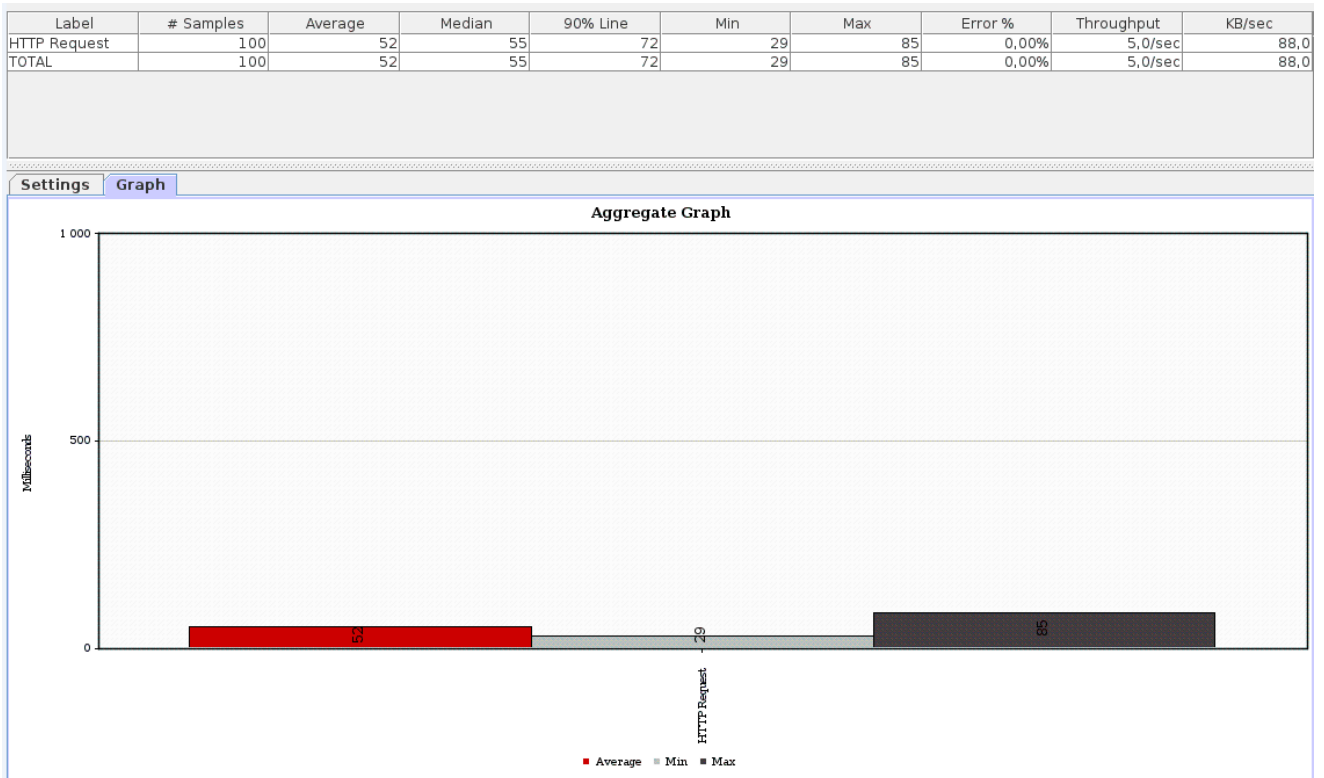
Graphics № 15 User - 100, time - 20 seconds.

Response Time Graph

Name: Response Time Graph

Comments:

Write results to file / Read from file

Filename [   ] [Browse...] Log/Display Only: ☐ Errors ☐ Successes [Configure]

| Settings | **Graph** |

Response Time Graph
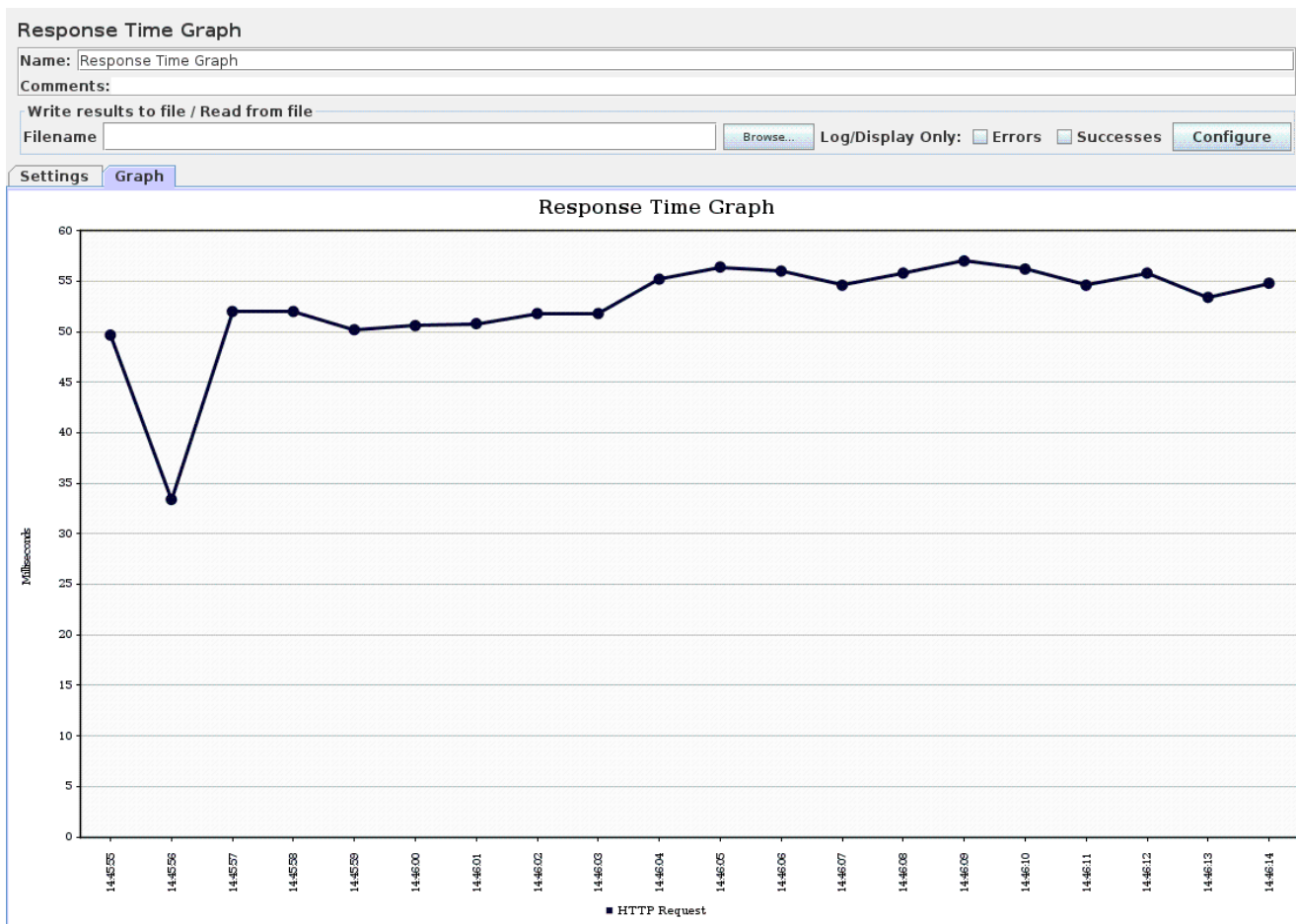
■ HTTP Request

Graphics № 16 User - 100, time - 20 seconds.

Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
HTTP Request	500	92	91	115	49	187	0,00%	24,3/sec	424,3
TOTAL	500	92	91	115	49	187	0,00%	24,3/sec	424,3

| Settings | **Graph** |

Aggregate Graph
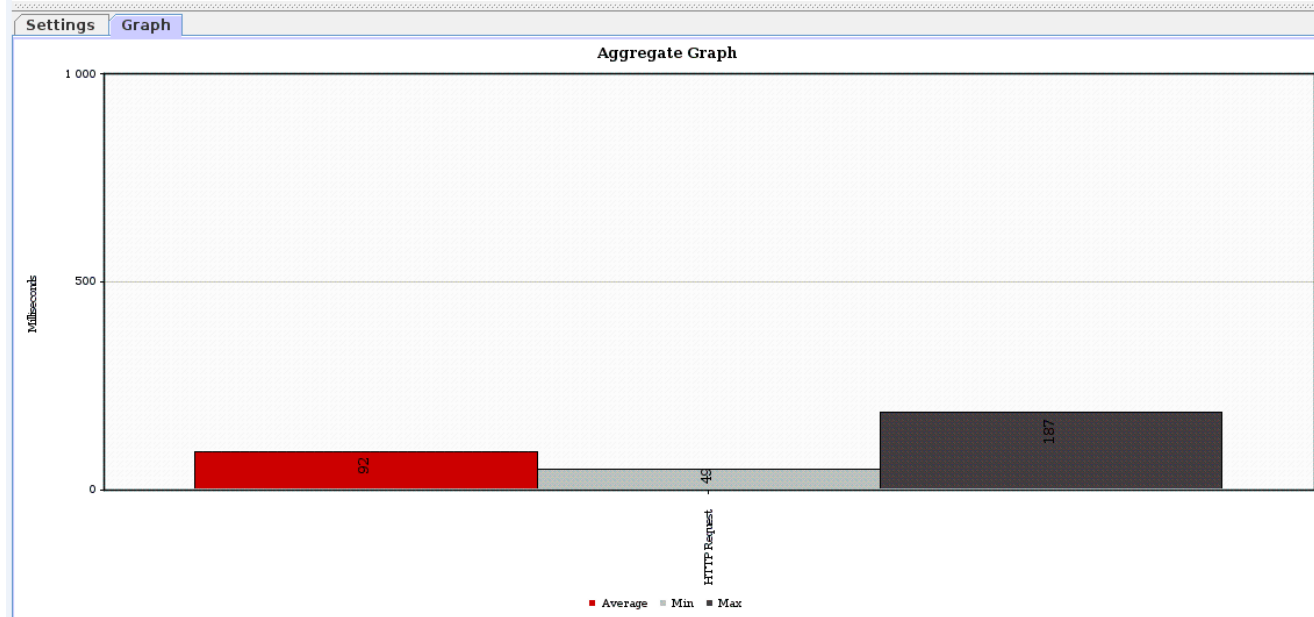
■ Average ■ Min ■ Max

Graphics № 17 User - 500, time - 20 seconds.

Response Time Graph

Name: Response Time Graph

Comments:

Write results to file / Read from file

Filename [ ] [Browse...] Log/Display Only: ☐ Errors ☐ Successes [Configure]

| Settings | **Graph** |
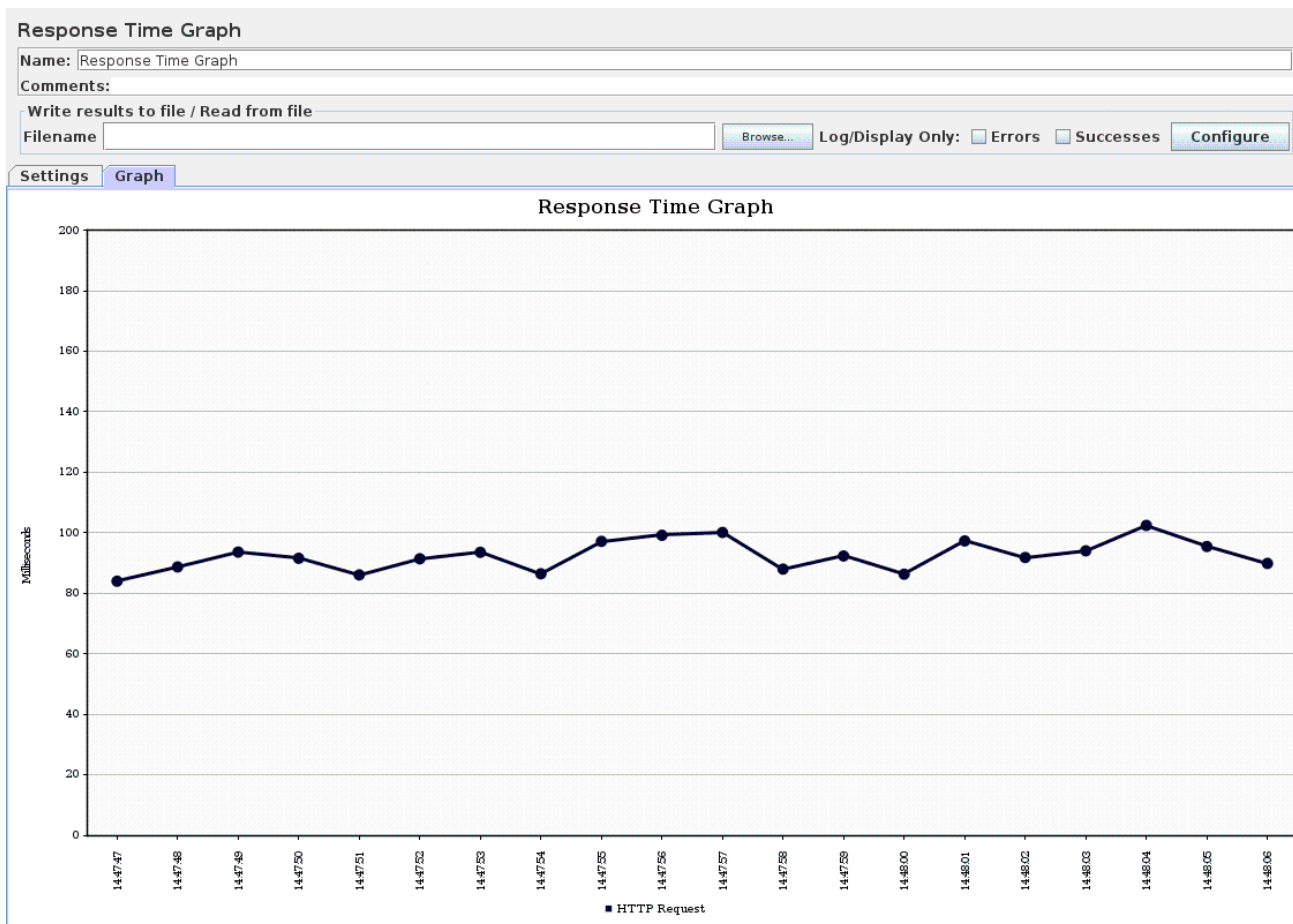
Graphics № 18 User - 500, time - 20 seconds.

Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
HTTP Request	1000	4228	4915	6865	62	8775	0,00%	37,3/sec	650,5
TOTAL	1000	4228	4915	6865	62	8775	0,00%	37,3/sec	650,5
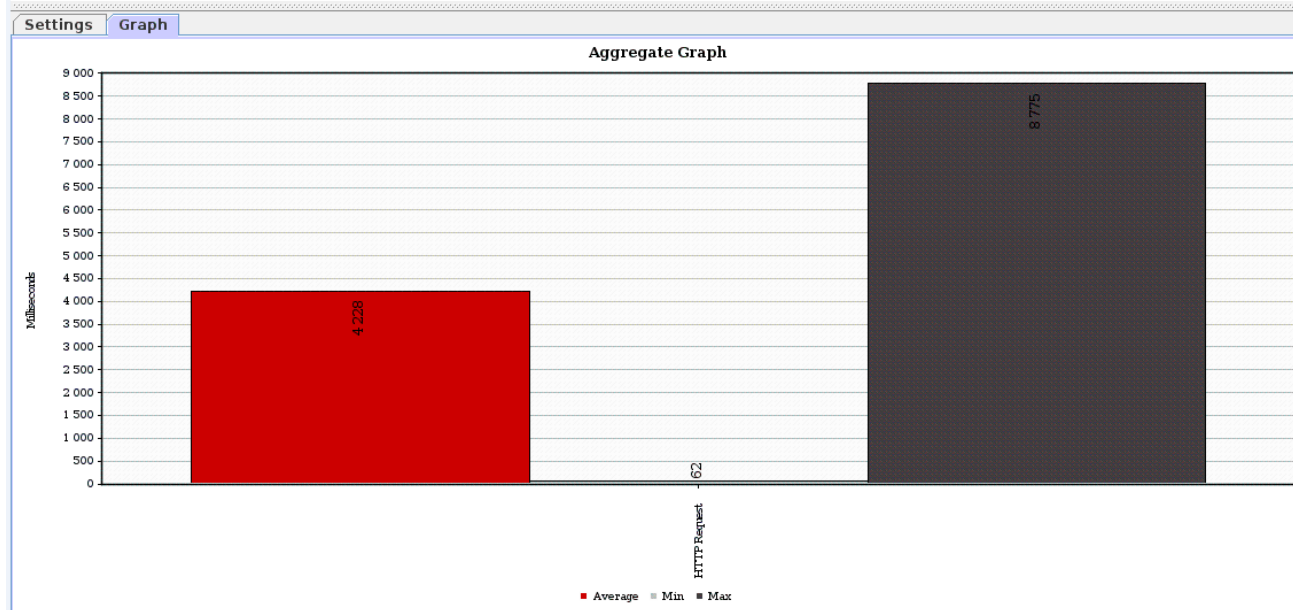
| Settings | **Graph** |

Graphics № 19 User - 1000, time - 20 seconds.

Response Time Graph

Name: Response Time Graph
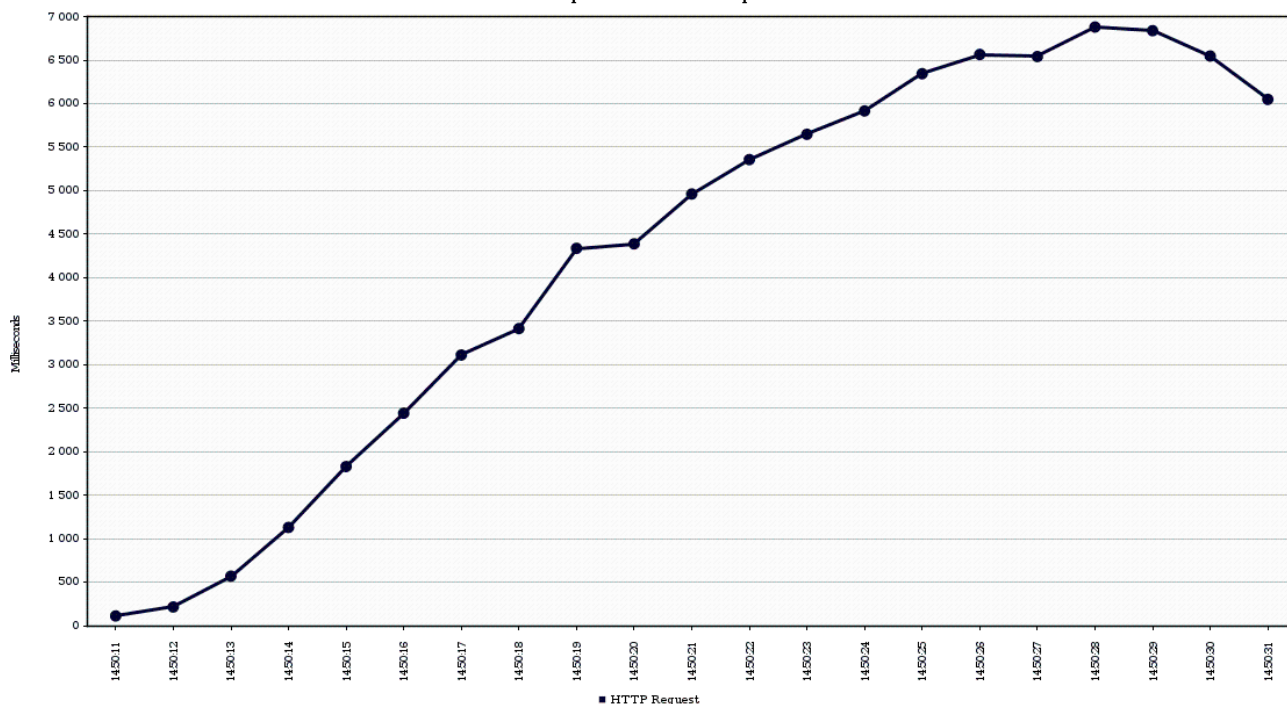
Comments:

Write results to file / Read from file

Filename [   ] [Browse...] Log/Display Only: ☐ Errors ☐ Successes [Configure]
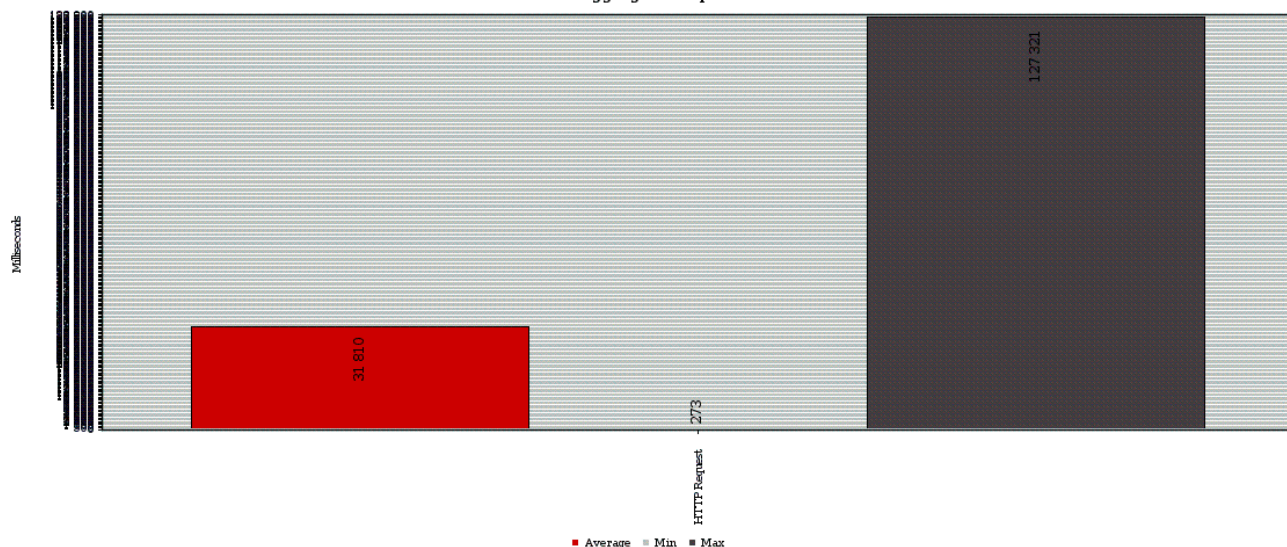
| Settings | Graph |

Graphics № 20 User - 1000, time - 20 seconds.

Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
HTTP Request	5000	31810	20412	71711	273	127321	2,24%	35,6/sec	608,9
TOTAL	5000	31810	20412	71711	273	127321	2,24%	35,6/sec	608,9

| Settings | Graph |

Graphics № 21 User - 5000, time - 20 seconds.
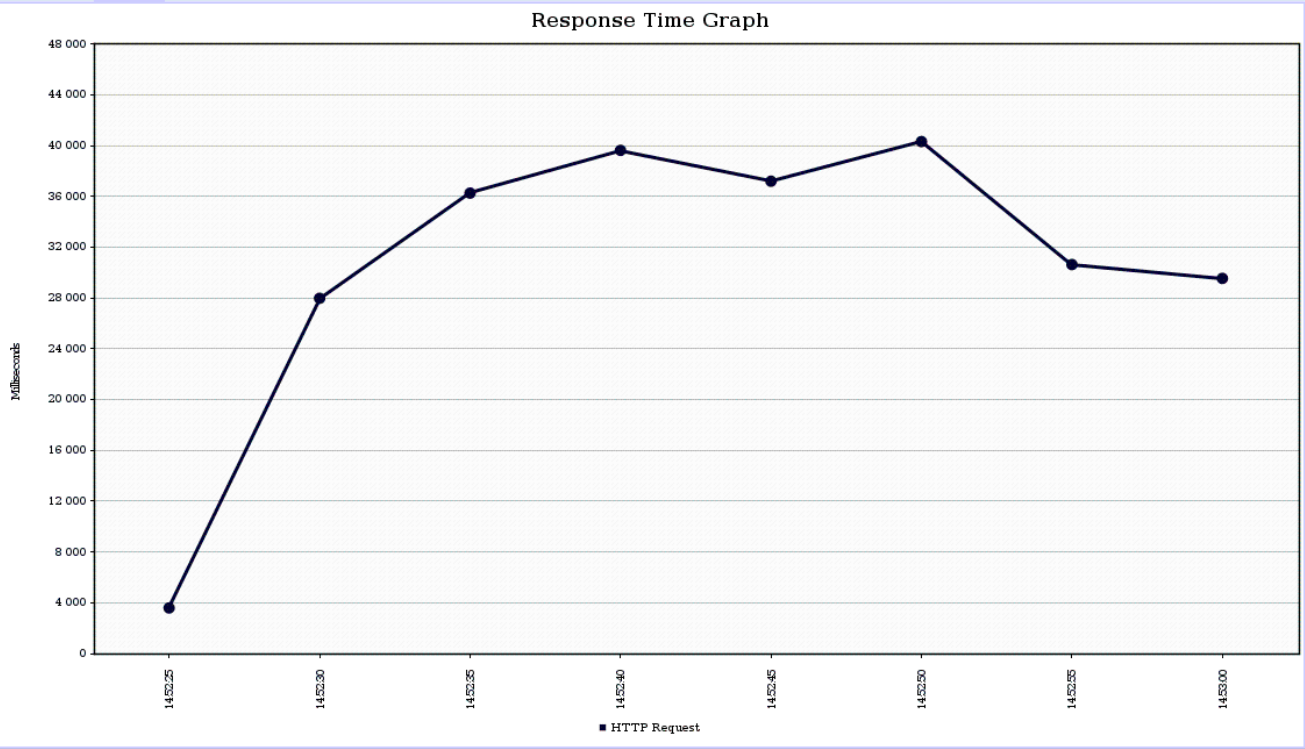
Response Time Graph

Name: Response Time Graph

Comments:

Write results to file / Read from file

Filename [   ] [Browse...] Log/Display Only: ☐ Errors ☐ Successes [Configure]
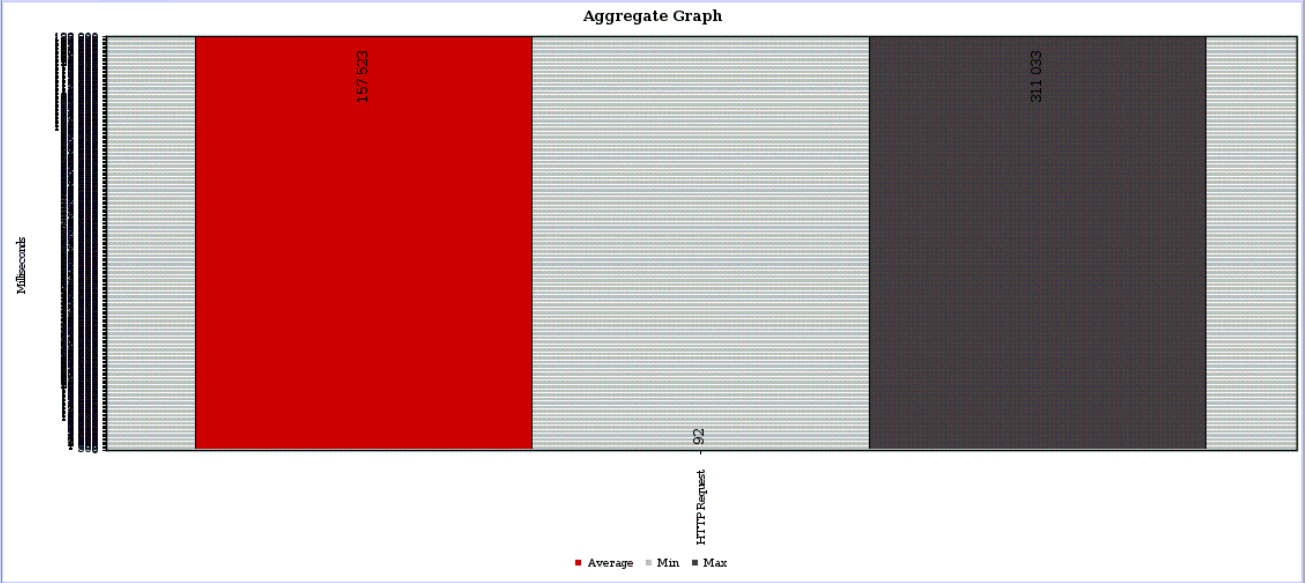
| Settings | Graph |

Graphics № 22 User - 5000, time - 20 seconds.

Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
HTTP Request	10000	157523	191625	273860	92	311033	72,95%	31,7/sec	199,9
TOTAL	10000	157523	191625	273860	92	311033	72,95%	31,7/sec	199,9

| Settings | Graph |

Graphics № 23 User - 10000, time - 20 seconds.

Graphics № 24 User - 10000, time - 20 seconds.

Recommendation:

Test results indicate a problem with response to user requests after concurrent 3500 for 10 seconds period. Increase server performance.