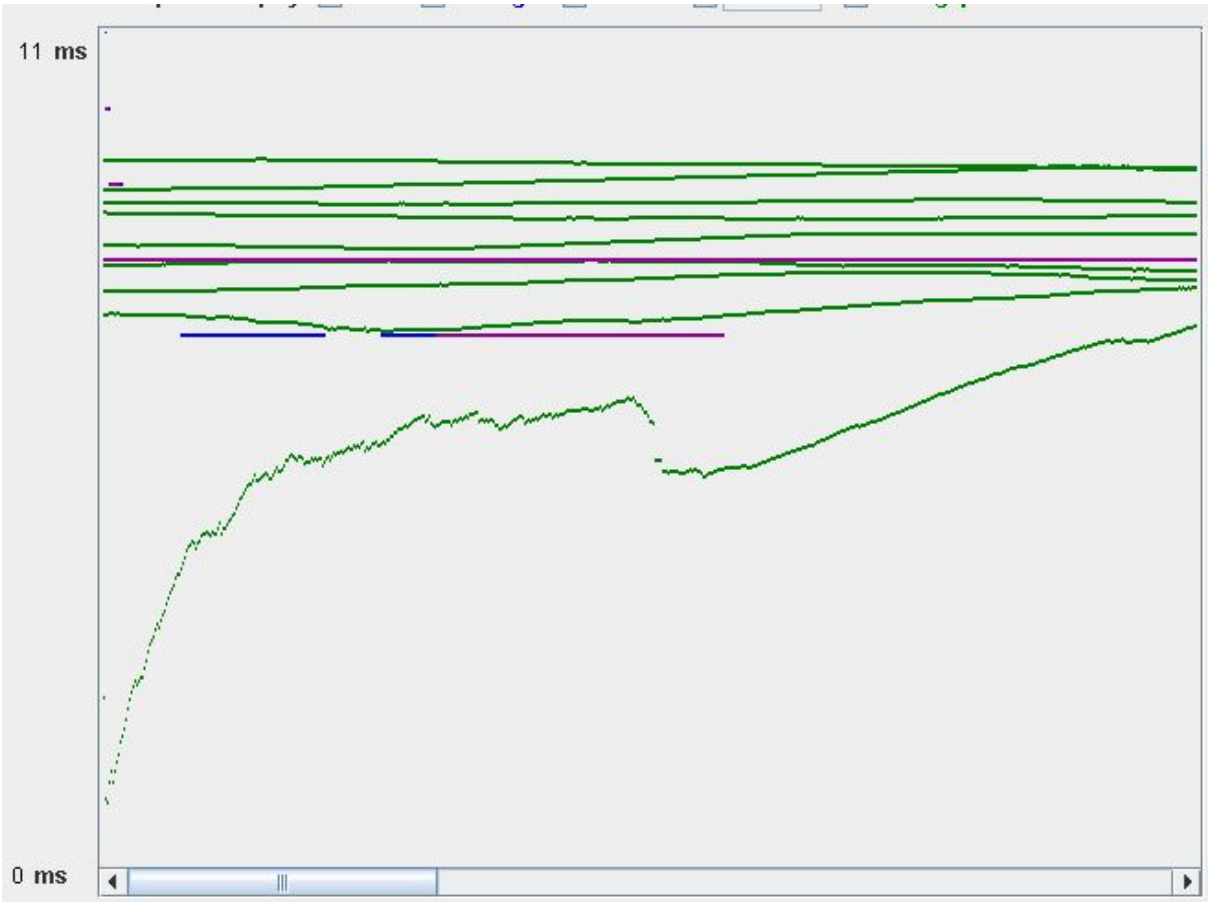
Performance report: Acme Antenna 2.0

To evaluate the performance of this system we made 12 tests, one for each use case:

- Use Case 1:
  This use case was about registering a new handy workers, the maximum number of concurrent users was **300 , 20** times each one, and these are the results:

Label	# Samples	Average	Median	90% Line	Min	Max	Error...	Throughput	KB/sec
/antena/handywork...	6000	8	8	9	5	26	0.00%	115.7/sec	760.1
/antena/handywork...	6000	11	11	13	8	26	0.00%	116.5/sec	776.8
/antena/welcome/i...	6000	6	7	8	5	26	0.00%	116.5/sec	403.6
TOTAL	18000	8	8	12	5	26	0.00%	339.7/sec	1890.7



- Use case 2:
  This use case was about listing handyworkers, the maximum number of concurrent users was **200**, **20** times each one, and these are the results:

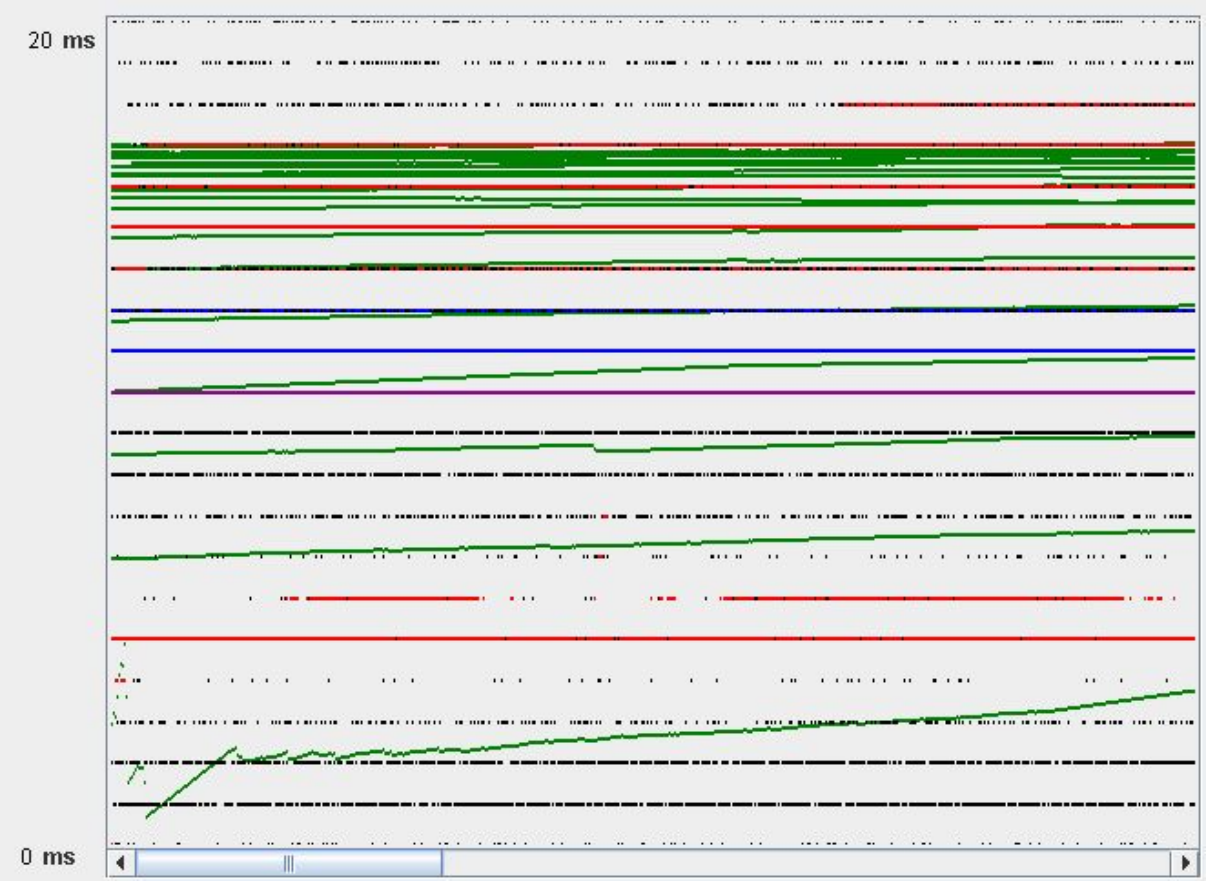
Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
/antena/	4000	11	9	19	5	167	0.00%	102.7/sec	363.5
/antena/sc...	4000	7	6	11	3	140	0.00%	102.7/sec	27660.2
/antena/sc...	4000	9	8	16	5	76	0.00%	102.7/sec	46671.6
/antena/sc...	4000	3	3	5	1	169	0.00%	102.7/sec	6218.1
/antena/sc...	4000	2	2	3	0	123	0.00%	102.7/sec	164.8
/antena/sc...	4000	2	2	3	0	124	0.00%	102.7/sec	1087.6
/antena/sty...	4000	3	3	4	1	173	0.00%	102.8/sec	3393.7
/antena/sc...	4000	2	2	3	0	78	0.00%	102.8/sec	681.6
/antena/sty...	4000	2	2	3	0	97	0.00%	102.8/sec	482.6
/antena/im...	4000	3	3	4	1	124	0.00%	102.8/sec	3273.0
/antena/sty...	4000	2	2	3	0	124	0.00%	102.8/sec	194.9
/antena/sty...	4000	2	2	3	0	123	0.00%	102.8/sec	308.3
/antena/sty...	4000	2	2	3	0	67	0.00%	102.8/sec	296.2
/antena/sc...	4000	2	2	3	0	124	0.00%	102.8/sec	62.6
/antena/sc...	4000	3	3	4	1	124	0.00%	102.8/sec	3550.6
/antena/sc...	4000	2	2	3	0	123	0.00%	102.8/sec	76.6
/antena/ha...	4000	19	15	30	10	184	0.00%	102.7/sec	480.8
TOTAL	68000	4	3	11	0	184	0.00%	1678.1/sec	91258.9

- Use Case 3:
  This use case was about creating requests, the maximum number of concurrent users was **300**, **20** times each one, and these are the results:

Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
/antena/	6000	42	15	106	5	1190	0.00%	163.6/sec	580.0
/antena/im...	6000	3	2	5	0	224	0.00%	163.6/sec	75.6
/antena/m...	6000	43	17	107	4	1059	0.00%	163.6/sec	641.6
/antena/m...	12000	49	18	126	1	1790	0.00%	328.3/sec	1288.4
TOTAL	30000	37	12	97	0	1790	0.00%	787.4/sec	2484.7

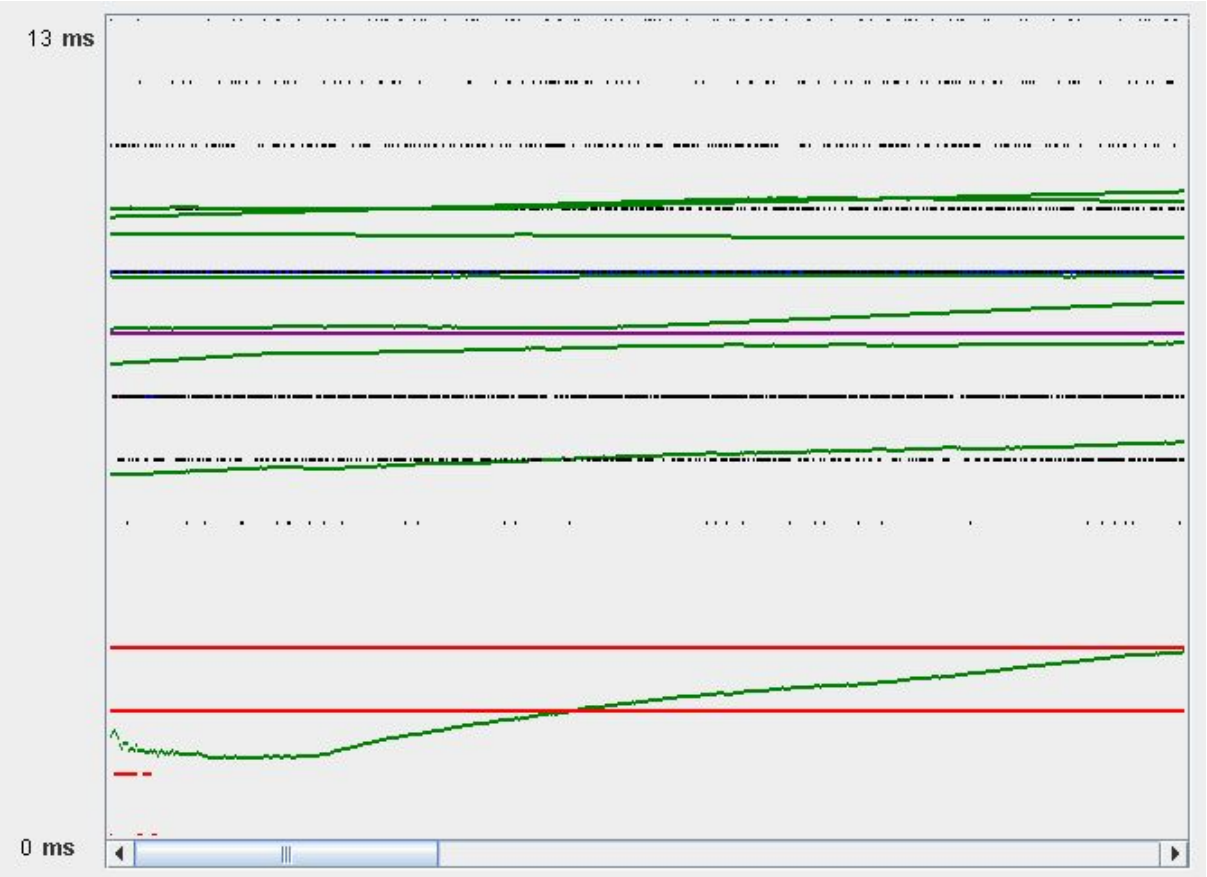
- Use Case 4:
  This use case was about listing serviced requests, the maximum number of concurrent users was **400**, **20** times each one, and these are the results:

Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
/antena/se...	8000	11	10	17	5	262	0.00%	88.6/sec	404.8
/antena/j_...	8000	20	17	28	9	1584	0.00%	88.5/sec	395.9
/antena/	8000	13	12	20	8	138	0.00%	88.5/sec	375.4
/antena/m...	8000	13	12	19	8	261	0.00%	88.2/sec	498.3
/antena/im...	8000	1	2	3	0	27	0.00%	88.2/sec	40.5
TOTAL	40000	12	11	20	0	1584	0.00%	434.8/sec	1686.7



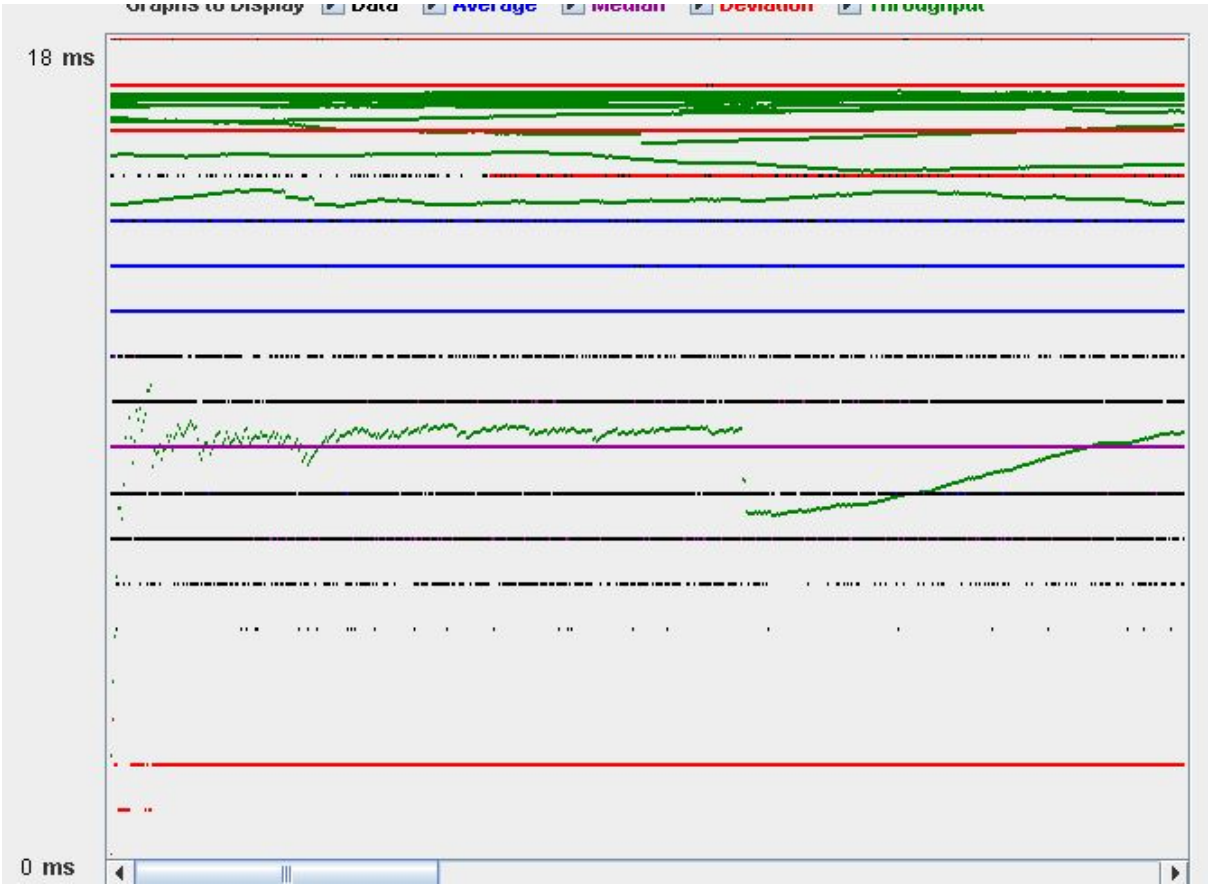
- Use Case 5:
  This use case was about listing not already serviced requests, the maximum number of concurrent users was **400**, **20** times each one, and these are the results:

Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
/antena/	8000	7	7	10	5	43	0.00%	283.2/sec	982.8
/antena/m...	8000	9	9	13	1	42	0.00%	293.2/sec	1151.0
TOTAL	16000	8	8	12	1	43	0.00%	555.6/sec	2054.4



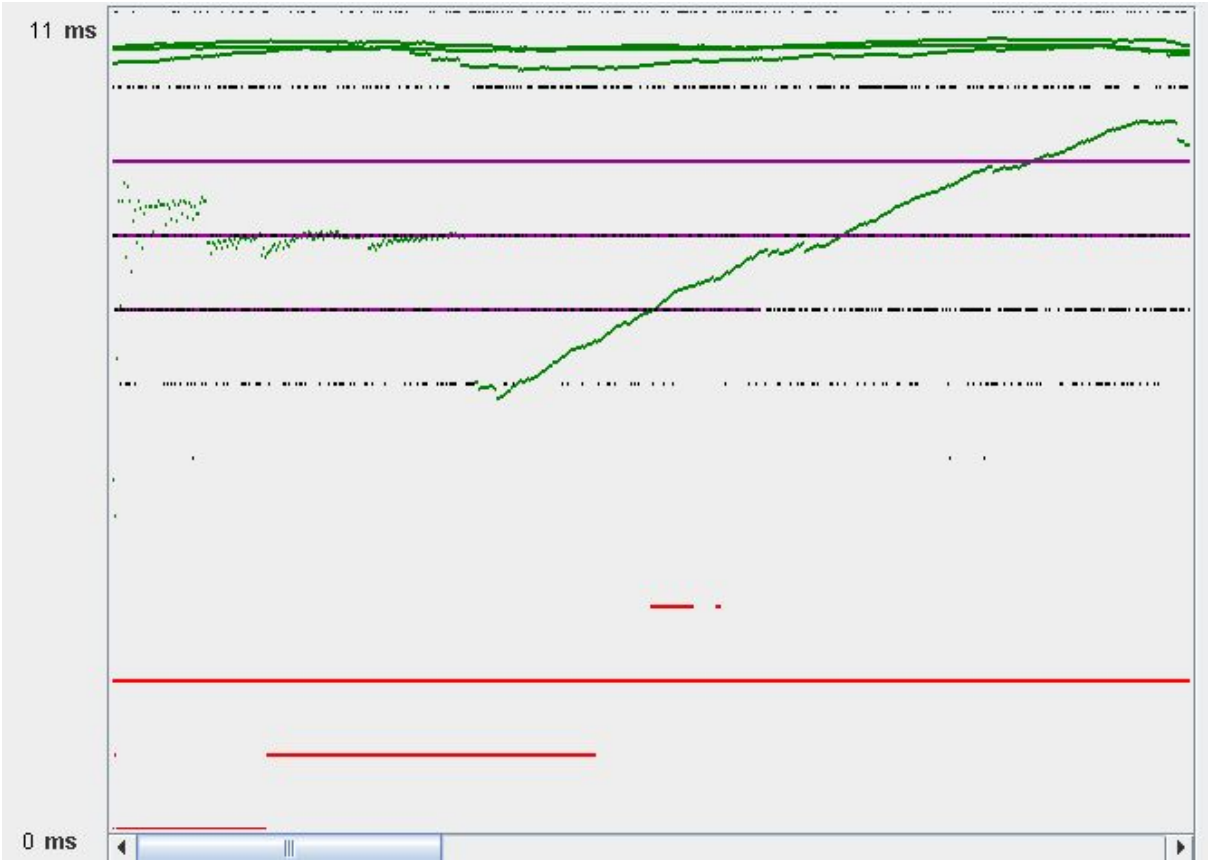
- Use Case 6:
  This use case was about service a request, the maximum number of concurrent users was **350**, **20** times each one, and these are the results:

Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
/antena/	7000	11	8	17	5	221	0.00%	111.7/sec	387.7
/antena/m...	14000	13	10	18	1	471	0.00%	216.5/sec	849.7
/antena/m...	14000	13	9	19	1	434	0.00%	216.6/sec	850.3
TOTAL	35000	12	9	18	1	471	0.00%	530.6/sec	2034.5



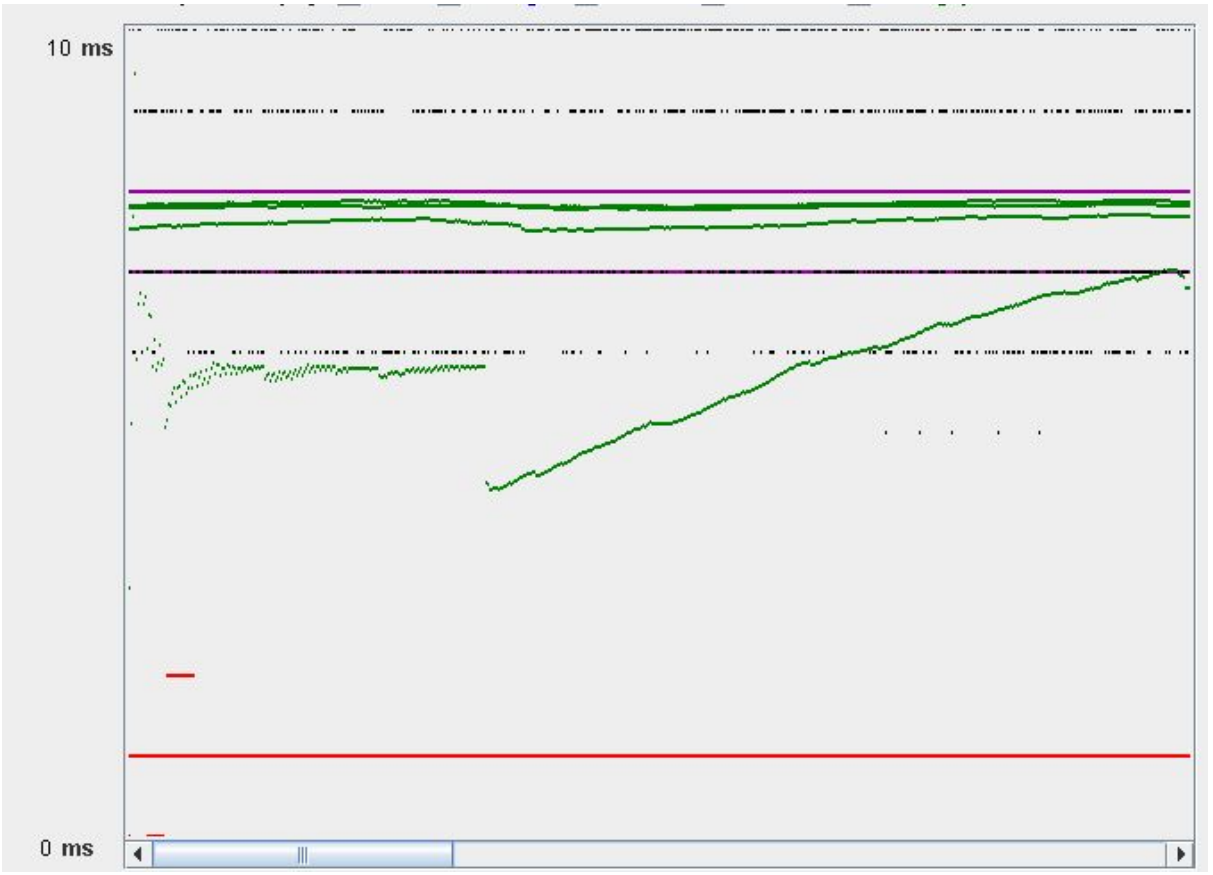
- Use Case 7:
  This use case was about listing already serviced request from a handyworker, the maximum number of concurrent users was **200**, **20** times each one, and these are the results:

Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
/antena/we...	4000	7	8	9	5	27	0.00%	124.6/sec	431.6
/antena/m...	4000	10	10	13	2	40	0.00%	123.4/sec	482.5
TOTAL	8000	9	9	12	2	40	0.00%	236.5/sec	872.2



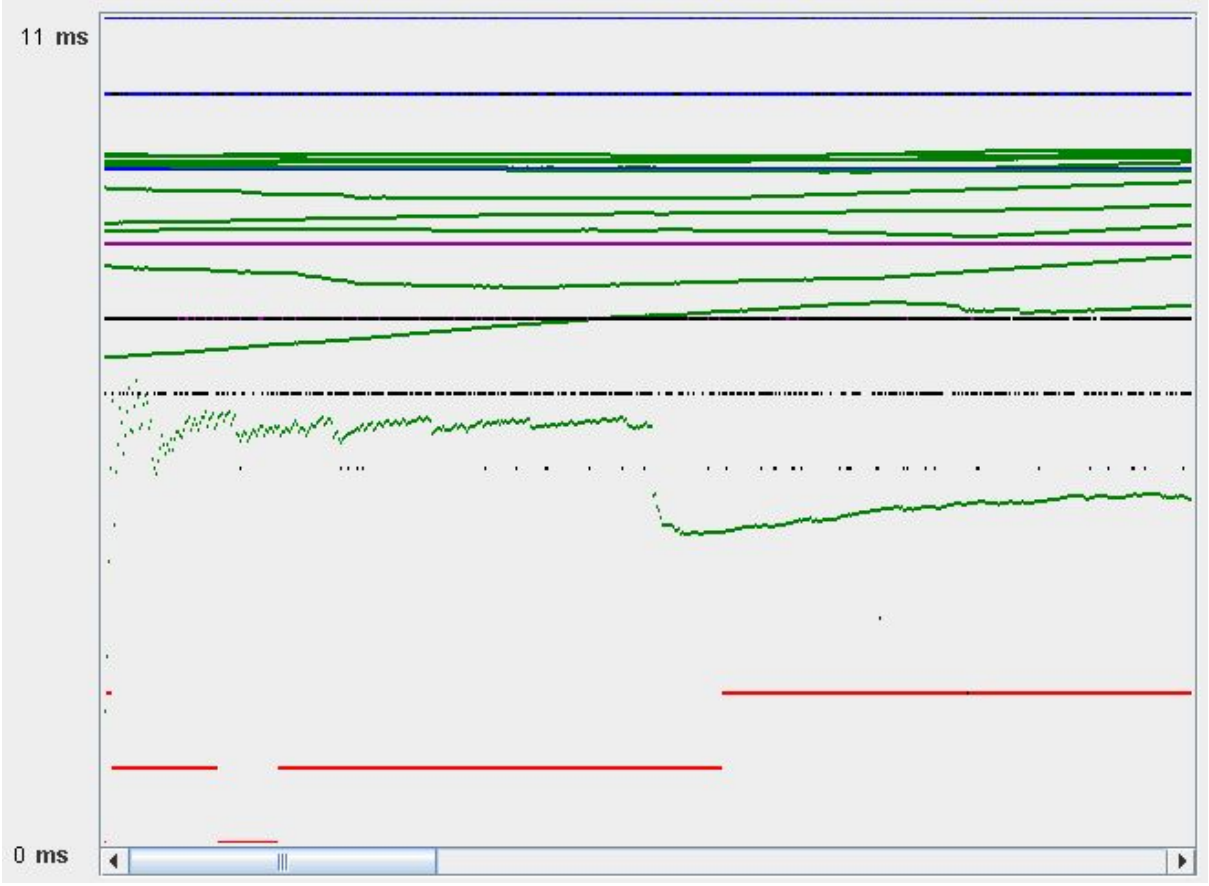
- Use Case 8:
  This use case was about listing not already serviced request from a handyworker, the maximum number of concurrent users was **200**, **20** times each one, and these are the results:

Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
/antena/we...	4000	7	7	9	5	18	0.00%	126.0/sec	436.3
/antena/m...	4000	9	10	12	6	45	0.00%	125.0/sec	489.2
TOTAL	8000	8	8	11	5	45	0.00%	239.6/sec	883.6



- Use Case 9:
  This use case was about banning an actor, the maximum number of concurrent users was **300**, **20** times each one, and these are the results:

Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
/antena/	6000	7	7	9	5	317	0.00%	107.2/sec	371.6
/antena/act...	12000	9	9	11	2	340	0.00%	205.3/sec	805.1
/antena/ad...	6000	11	9	11	3	396	0.00%	105.5/sec	413.9
TOTAL	24000	9	8	11	2	396	0.00%	401.2/sec	1527.9

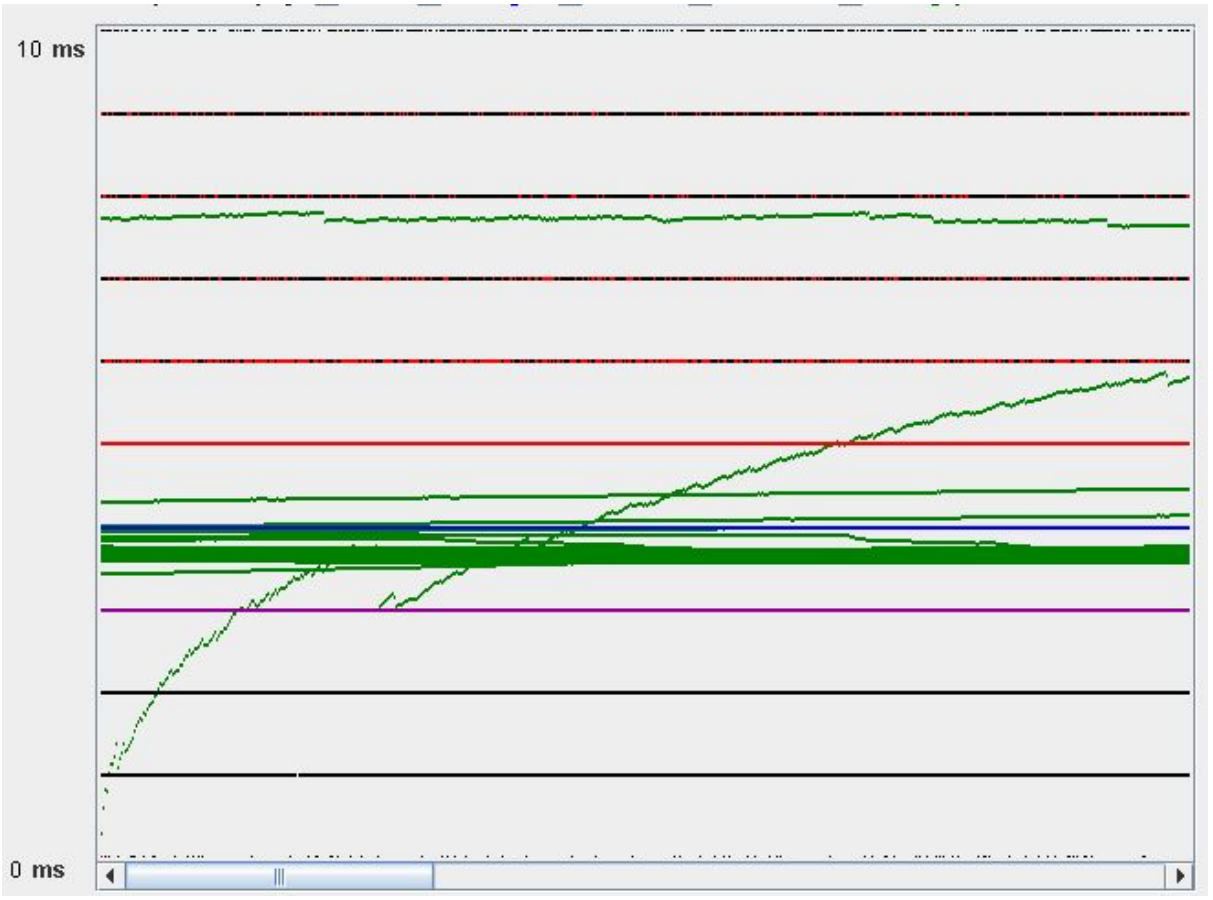


- Use Case 10:
  This use case was about the admin's dashboard, the maximum number of concurrent users was **200**, **20** times each one, and these are the results:

Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
/antena/we...	4000	8	8	10	5	89	0.00%	59.5/sec	206.2
/antena/sc...	4000	5	5	6	3	86	0.00%	59.5/sec	16027.3
/antena/sc...	4000	2	2	3	1	84	0.00%	59.5/sec	3601.7
/antena/sc...	4000	1	2	3	0	14	0.00%	59.5/sec	394.7
/antena/sc...	4000	7	7	9	5	91	0.00%	59.5/sec	27038.2
/antena/sty...	4000	2	2	3	1	16	0.00%	59.5/sec	1965.5
/antena/sty...	4000	1	2	3	0	74	0.00%	59.5/sec	171.5
/antena/sc...	4000	1	2	3	0	25	0.00%	59.5/sec	44.3
/antena/sc...	4000	2	2	3	1	77	0.00%	59.5/sec	2054.9
/antena/sc...	4000	1	2	3	0	14	0.00%	59.5/sec	36.2
/antena/sc...	4000	1	2	3	0	76	0.00%	59.5/sec	95.4
/antena/sc...	4000	1	2	3	0	62	0.00%	59.5/sec	629.9
/antena/sty...	4000	1	2	3	0	61	0.00%	59.5/sec	112.8
/antena/sty...	4000	1	2	3	0	66	0.00%	59.5/sec	279.4
/antena/im...	4000	2	2	3	1	68	0.00%	59.5/sec	1895.0
/antena/sty...	4000	2	2	3	0	81	0.00%	59.5/sec	178.5
/antena/fav...	4000	2	2	3	1	73	0.00%	59.5/sec	1931.7
/antena/ad...	4000	10	10	12	6	96	0.00%	59.5/sec	232.8
TOTAL	72000	3	2	8	0	96	0.00%	1047.0/sec	55611.6

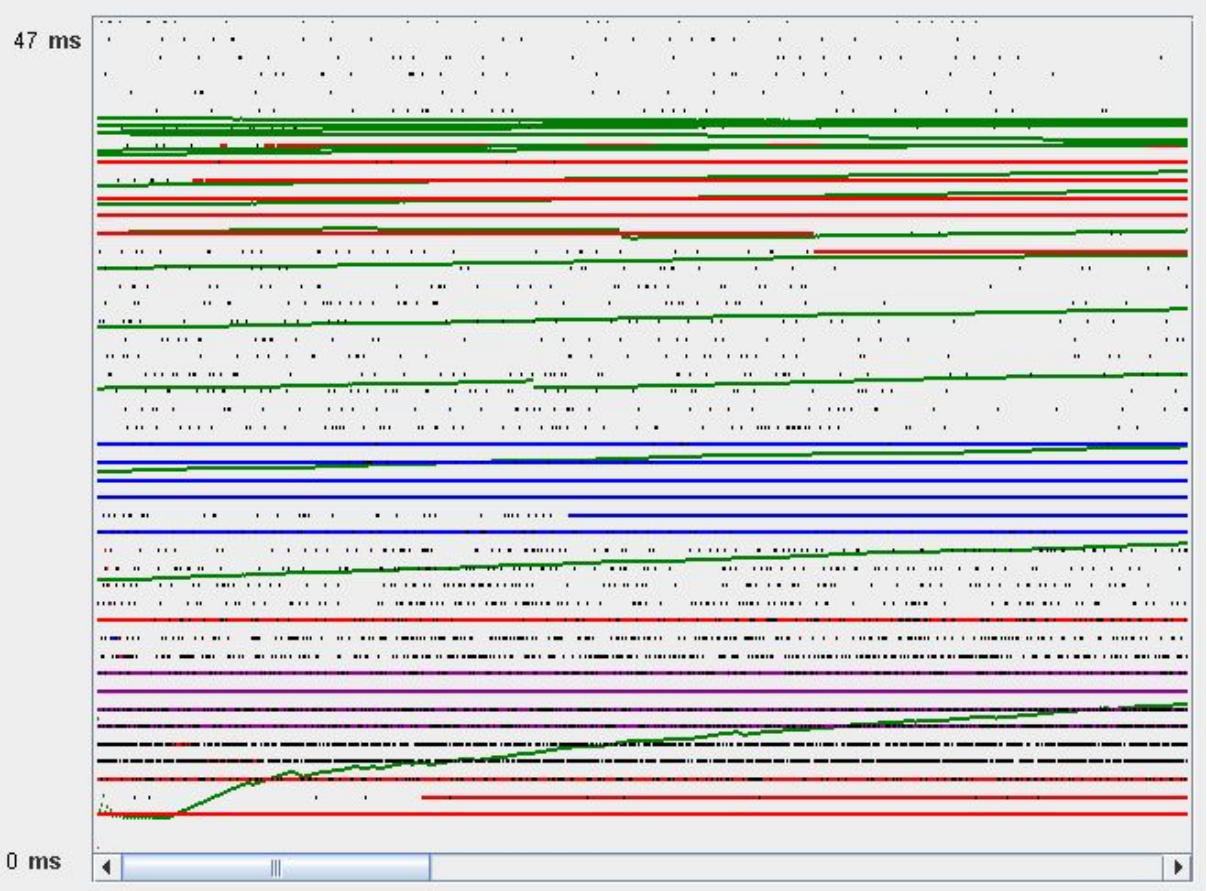
- Use Case 11:
  This use case was about registering an agent, the maximum number of concurrent users was **200**, **20** times each one, and these are the results:

Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
/antena/	4000	10	8	15	5	155	0.00%	64.2/sec	222.6
/antena/sc...	4000	3	3	4	1	90	0.00%	64.3/sec	3888.9
/antena/sc...	4000	2	2	3	0	38	0.00%	64.3/sec	680.2
/antena/sc...	4000	9	8	13	5	125	0.00%	64.2/sec	29193.3
/antena/sc...	4000	6	5	9	3	90	0.00%	64.3/sec	17305.1
/antena/sc...	4000	2	2	3	0	60	0.00%	64.3/sec	426.2
/antena/sty...	4000	2	2	3	0	89	0.00%	64.3/sec	301.8
/antena/im...	4000	2	2	4	1	88	0.00%	64.3/sec	2046.3
/antena/sty...	4000	2	2	3	0	92	0.00%	64.3/sec	192.8
/antena/sty...	4000	2	2	3	0	69	0.00%	64.3/sec	185.2
/antena/sty...	4000	2	2	3	0	92	0.00%	64.3/sec	121.9
/antena/sc...	4000	2	2	4	1	76	0.00%	64.3/sec	2219.1
/antena/sty...	4000	2	2	3	1	153	0.00%	64.3/sec	2122.6
/antena/sc...	4000	2	2	3	0	87	0.00%	64.3/sec	39.2
/antena/sc...	4000	2	2	3	0	15	0.00%	64.3/sec	103.1
/antena/sc...	4000	2	2	3	0	90	0.00%	64.3/sec	47.9
/antena/ag...	4000	9	9	11	6	88	0.00%	64.1/sec	408.9
/antena/ag...	4000	15	14	22	0	109	0.27%	63.4/sec	411.3
/antena/we...	4000	9	8	14	0	97	0.27%	63.4/sec	219.2
TOTAL	76000	4	3	11	0	155	0.03%	1149.8/sec	56647.4



- Use Case 12:
  This use case was about registering a banner, the maximum number of concurrent users was **300**, **20** times each one, and these are the results:

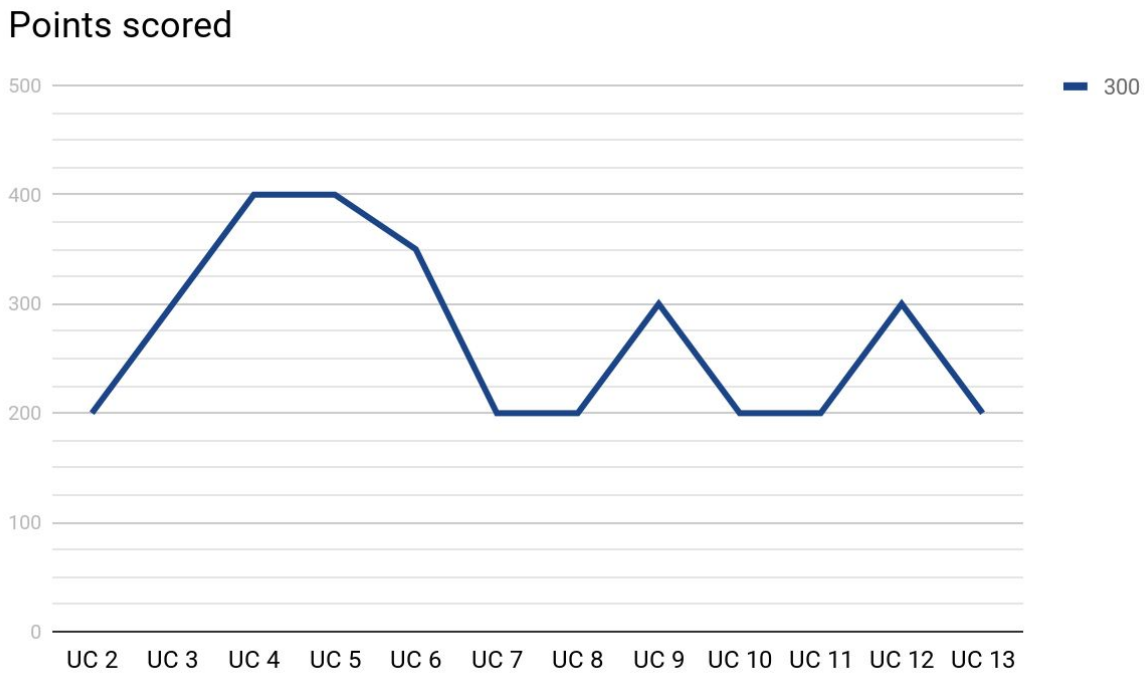
Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
/antena/we...	6000	20	8	43	4	822	0.00%	110.8/sec	392.6
/antena/ba...	12000	15	6	31	3	827	0.00%	215.6/sec	824.6
/antena/ba...	12000	23	11	48	3	620	0.00%	219.9/sec	861.6
TOTAL	30000	19	9	41	3	827	0.00%	538.8/sec	2050.7



- Use Case 13:
  This use case was about removing a banner, the maximum number of concurrent users was **200**, **20** times each one, and these are the results:

Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
/antena/sc...	4000	9	8	11	6	69	0.00%	38.9/sec	20364.0
/antena/sc...	4000	5	5	6	3	108	0.00%	38.9/sec	10483.2
/antena/sc...	4000	2	2	3	0	46	0.00%	38.9/sec	258.2
/antena/sc...	4000	7	7	9	5	57	0.00%	38.9/sec	17687.9
/antena/sc...	4000	2	2	3	1	17	0.00%	38.9/sec	412.1
/antena/sc...	4000	2	3	3	1	366	0.00%	38.9/sec	2356.5
/antena/sc...	4000	2	2	3	1	84	0.00%	38.9/sec	1344.7
/antena/sty...	4000	2	2	3	0	360	0.00%	38.9/sec	112.2
/antena/sc...	4000	1	2	3	0	27	0.00%	38.9/sec	23.7
/antena/sc...	4000	2	2	3	0	23	0.00%	39.0/sec	29.0
/antena/sc...	4000	1	2	3	0	47	0.00%	39.0/sec	62.5
/antena/sty...	4000	2	2	3	0	98	0.00%	39.0/sec	116.8
/antena/sty...	4000	1	2	3	0	19	0.00%	39.0/sec	183.0
/antena/im...	4000	2	2	3	1	37	0.00%	39.0/sec	1241.0
/antena/sty...	4000	2	2	3	1	15	0.00%	39.0/sec	1287.3
/antena/sty...	4000	1	2	3	0	46	0.00%	39.0/sec	73.9
/antena/j_...	4000	18	17	22	5	488	0.00%	39.0/sec	150.4
/antena/ba...	8000	6	6	8	3	129	0.00%	75.5/sec	308.7
/antena/ba...	8000	12	14	21	3	659	0.00%	76.6/sec	301.3
TOTAL	84000	5	3	14	0	659	0.00%	780.8/sec	54260.3

Summering all this information on a graph:



With all the information that we showed before, we can state that our system can handle a maximum of **200** concurrent users.