

UC01(1)- Crear y listar curso (275 usuarios)

Positivo Aggregate:

The screenshot shows the Apache JMeter interface with the 'Aggregate Report' selected in the left tree view. The main panel displays the 'Aggregate Report' configuration and a detailed table of results.

Aggregate Report Configuration:

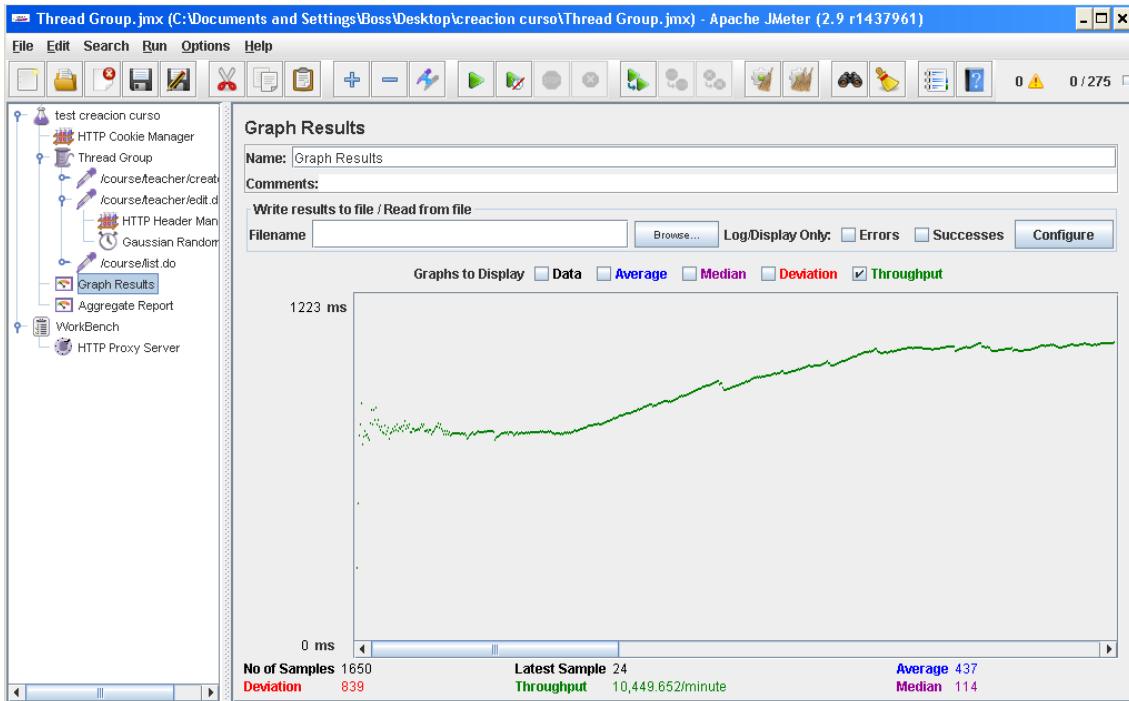
- Name: Aggregate Report
- Comments:
- Write results to file / Read from file
- Filename: (empty)
- Log/Display Only: Errors Successes Configure

Results Table:

Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
/course/teac...	550	102	22	311	3	578	0.00%	71.0/sec	281.9
/course/teac...	550	114	41	334	5	783	0.00%	68.8/sec	265.2
/course/list.do	550	1094	626	2848	11	5985	0.00%	68.7/sec	369.7
TOTAL	1650	437	114	1285	3	5985	0.00%	174.2/sec	766.7

Buttons at the bottom: Include group name in label? Save Table Data Save Table Header

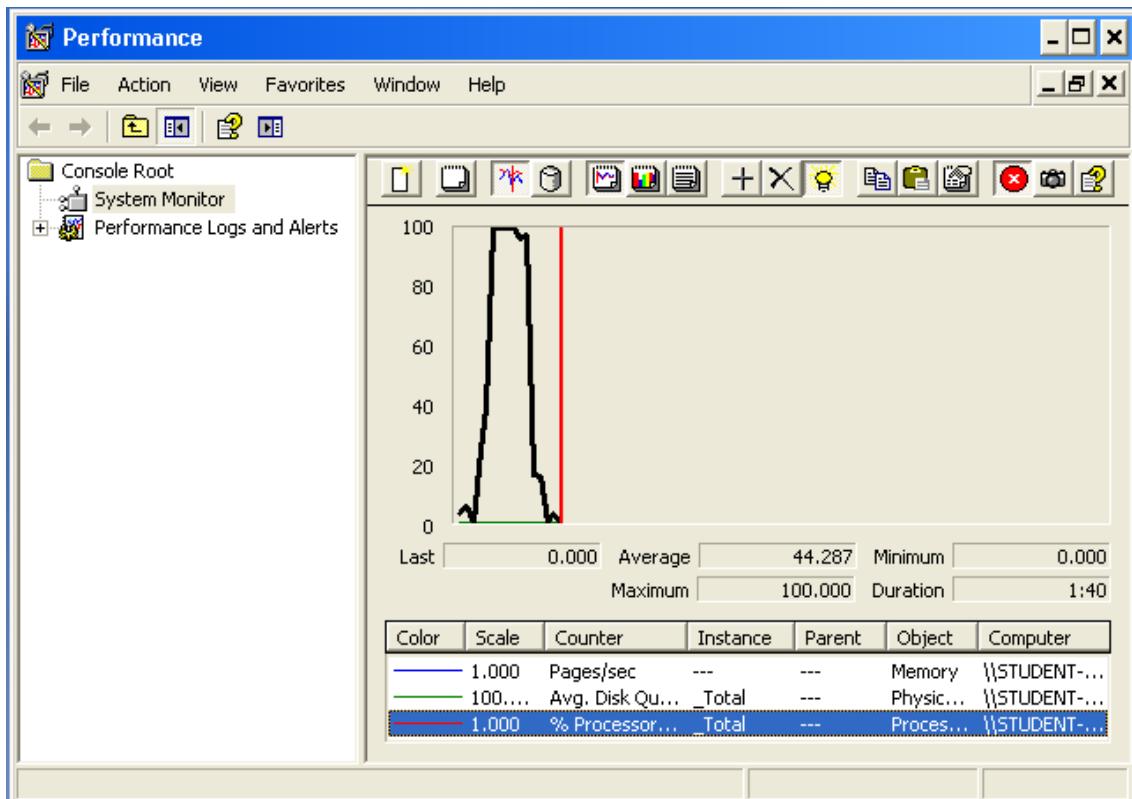
Positivo Graph:



Negativo:

Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
/course/teac...	600	201	22	406	3	2400	7.33%	80.5/sec	306.7
/course/teac...	600	237	34	468	6	2223	7.00%	76.3/sec	285.6
/course/list.do	600	442	273	1065	12	2663	5.67%	76.0/sec	393.7
TOTAL	1800	293	60	930	3	2663	6.67%	194.5/sec	825.6

Performance:



Causa: Cuello de botella del procesador

UC01(2)-Editar cursos (260 usuarios)

Positivo Aggregate:

Screenshot of JMeter Aggregate Report results for 260 users.

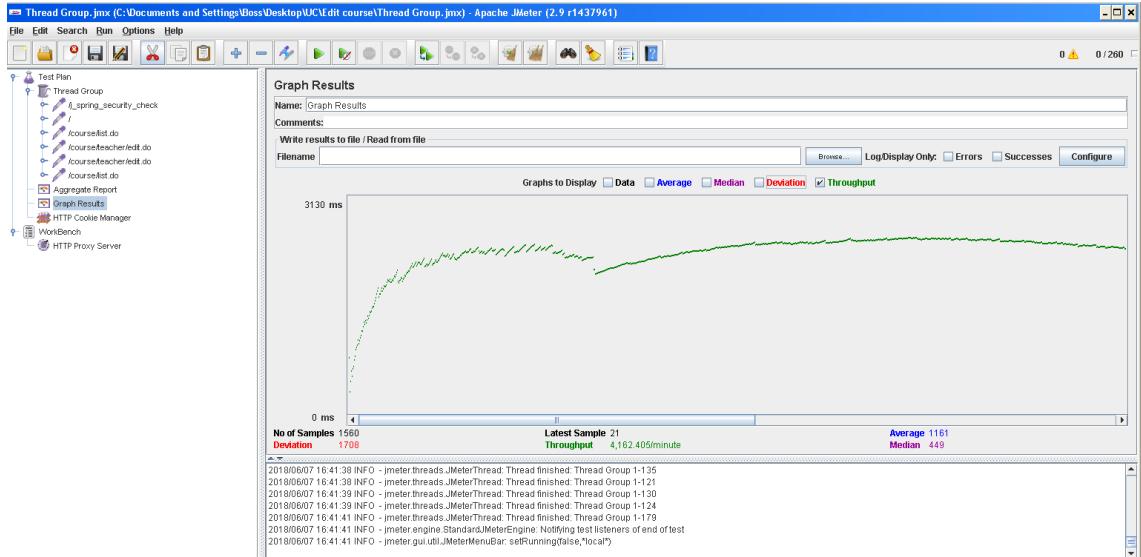
Aggregate Report

Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
j_spring_security_check	260	1686	635	4787	0	14334	0.00%	15.1/sec	64.3
j	260	571	202	1310	0	7649	0.00%	14.9/sec	60.1
/course/list.do	520	874	370	1644	0	8595	0.00%	23.7/sec	162.1
/course/teacher/edit/do	520	1462	767	1116	0	9509	0.00%	27.1/sec	170.0
/course/list/do	1560	1161	449	3684	0	14334	0.00%	69.4/sec	399.7
TOTAL	1560	1161	449	3684	0	14334	0.00%	69.4/sec	399.7

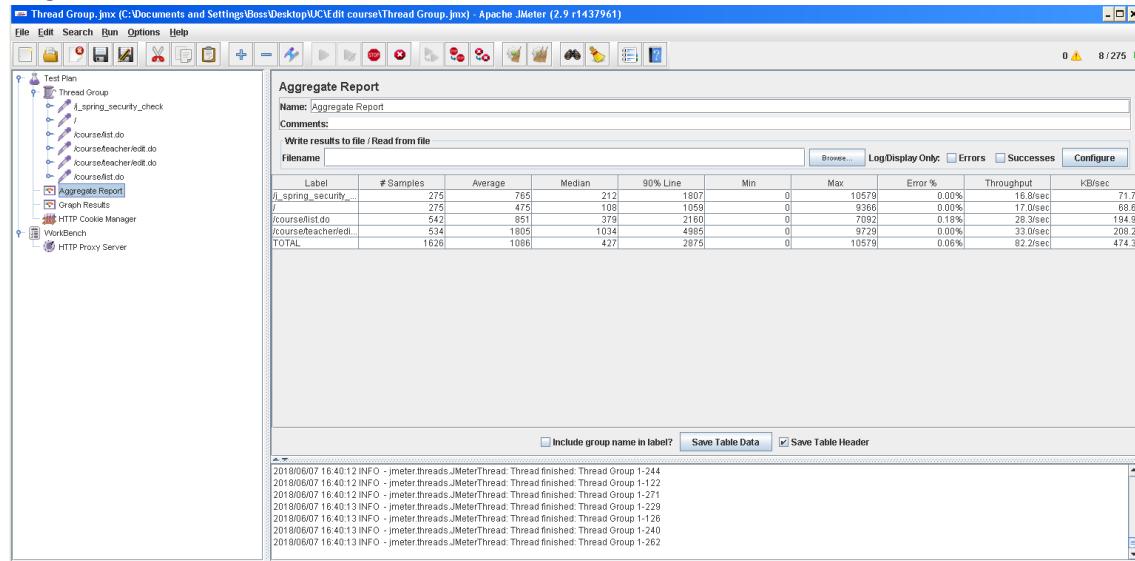
Logs (partial):

```
2018/06/07 16:41:39 INFO - jmeter.threads.JMeterThread: Thread finished: Thread Group 1-125
2018/06/07 16:41:39 INFO - jmeter.threads.JMeterThread: Thread finished: Thread Group 1-121
2018/06/07 16:41:39 INFO - jmeter.threads.JMeterThread: Thread finished: Thread Group 1-130
2018/06/07 16:41:39 INFO - jmeter.threads.JMeterThread: Thread finished: Thread Group 1-124
2018/06/07 16:41:41 INFO - jmeter.threads.JMeterThread: Thread finished: Thread Group 1-179
2018/06/07 16:41:41 INFO - jmeter.engine.StandardJMeterEngine: Notifying test listeners of end of test
2018/06/07 16:41:41 INFO - jmeter.gui.util.JMeterMenuBar: setRunning(false,"local")
```

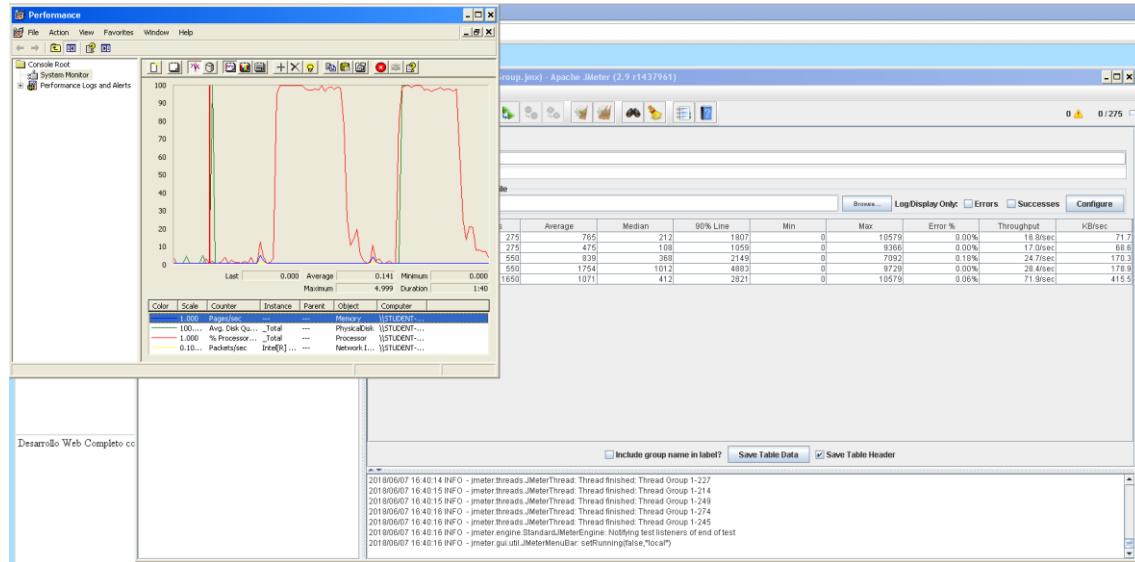
Positivo Graph:



Negativo:



Performance:



Causa: Cuello de botella con el procesador

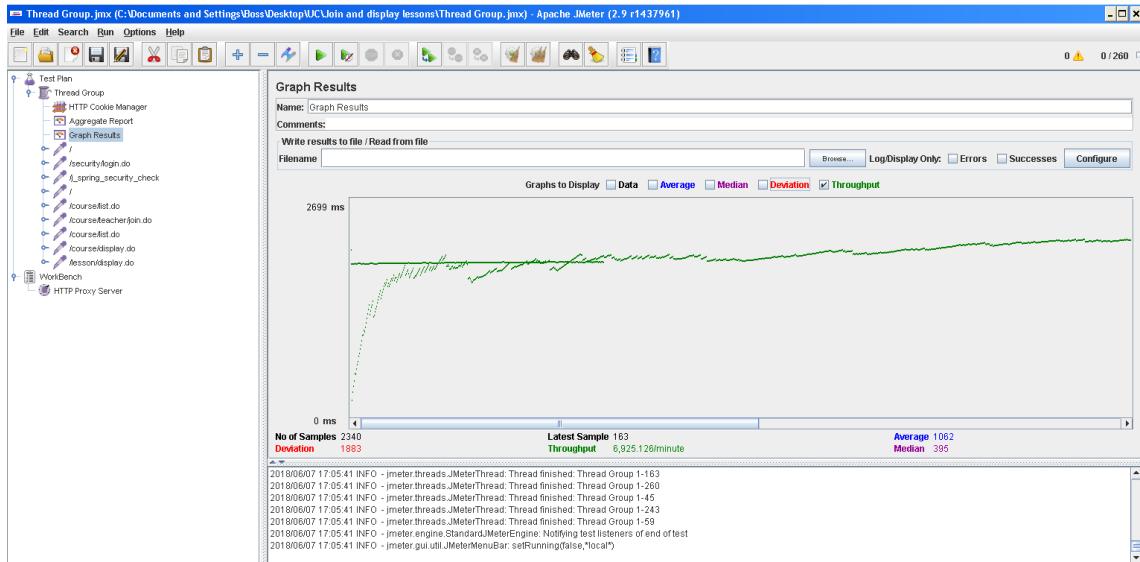
UC02(1)-Unirte a un curso como profesor y mostrar de sus lecciones (260 usuarios)

Positivo Aggregate:

The screenshot shows the Apache JMeter interface with the 'Aggregate Report' selected in the left sidebar under 'Test Plan'. The main area displays the 'Aggregate Report' results for 260 users. The table includes columns for Label, # Samples, Average, Median, 90% Line, Min, Max, Error %, Throughput, and KB/sec. The total throughput is listed as 26.3/sec and 599.8 KB/sec. Below the table is a log panel showing JMeter logs from 2018/06/07 17:05:41 to 2018/06/07 17:05:41.

Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
/	2340	1320	459	3451	0	13187	0.00%	26.3/sec	595.6
/course/login.do	260	157	28	453	0	13007	0.00%	13.3/sec	31.7
/_spring_security_check	260	1933	780	6025	0	13384	0.00%	13.3/sec	56.7
/course/teacherJoin.do	520	816	382	1852	0	13205	0.00%	25.9/sec	168.2
/course/teacherJoin...	260	1808	962	4538	72	12380	0.00%	13.0/sec	87.6
/course/display/do...	260	790	382	1807	0	12797	0.00%	13.2/sec	89.0
/lesson/display/do...	260	700	332	1455	0	12269	0.00%	13.2/sec	67.2
TOTAL	2340	1062	395	2844	0	13384	0.00%	115.4/sec	599.8

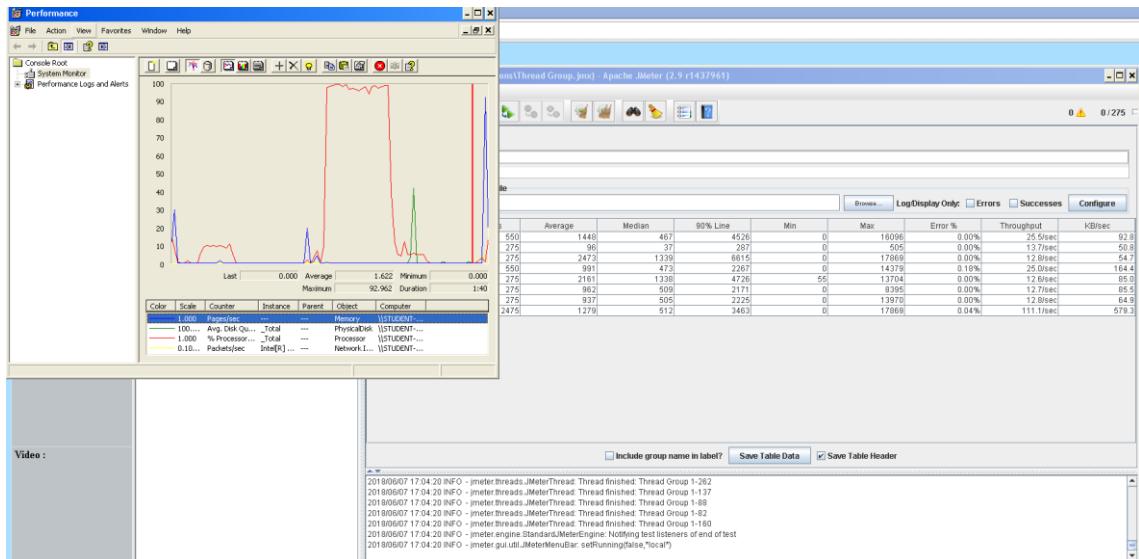
Positivo Graph:



Negativo:

The screenshot shows the Apache JMeter interface. On the left, the 'Test Plan' tree view includes a 'Thread Group' node with several child elements: 'HTTP Cookie Manager', 'HTTP', 'Insert Before', 'Insert After', 'Script', 'Cancel', 'j_spring_security_check', 'coursesList.do', 'coursesTeacherJsp.do', 'coursesList.jsp', 'coursesList.do', 'coursesDisplay.do', 'AssessDisplay.do', and 'WorkBench'. A 'HTTP Proxy Server' icon is also present. On the right, the 'Aggregate Report' panel displays performance metrics for 2475 samples. The table includes columns for Label, # Samples, Average, Median, 90% Line, Min, Max, Error %, Throughput, and KB/sec. The total average response time is 1279 ms. Below the table is a log window showing JMeter threads finishing and a message about listening for listeners of end of test.

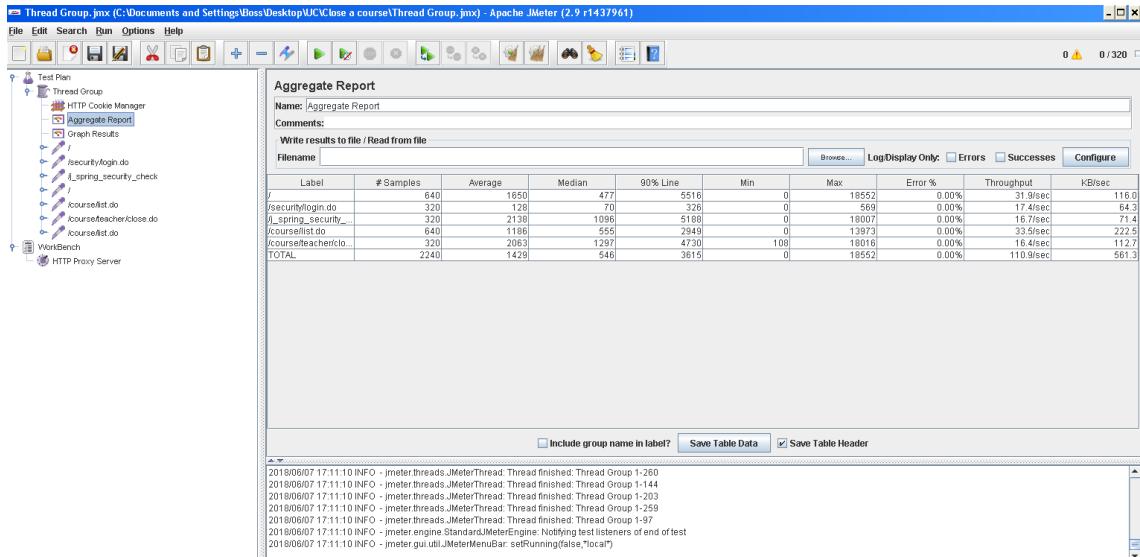
Performance:



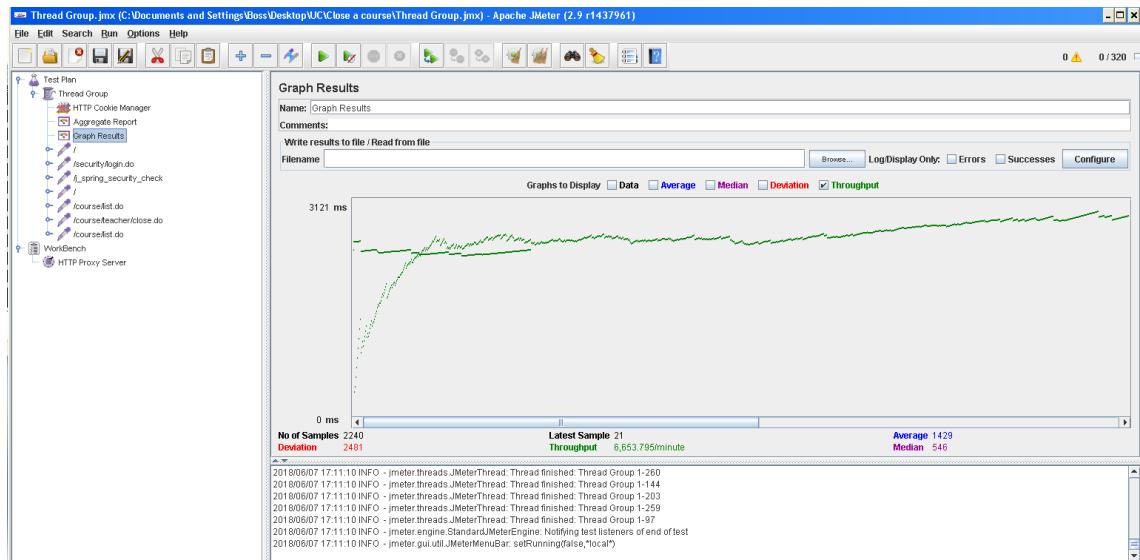
Causa: Cuello de botella con el procesador

UC02 (2) - Cerrar un curso (320 usuarios)

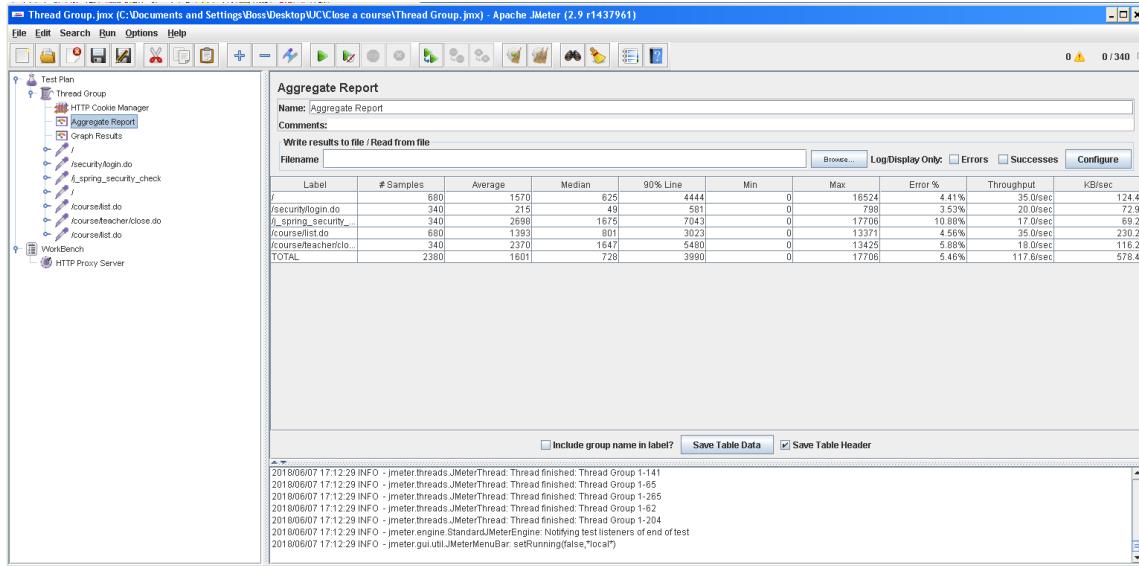
Positivo Aggregate:



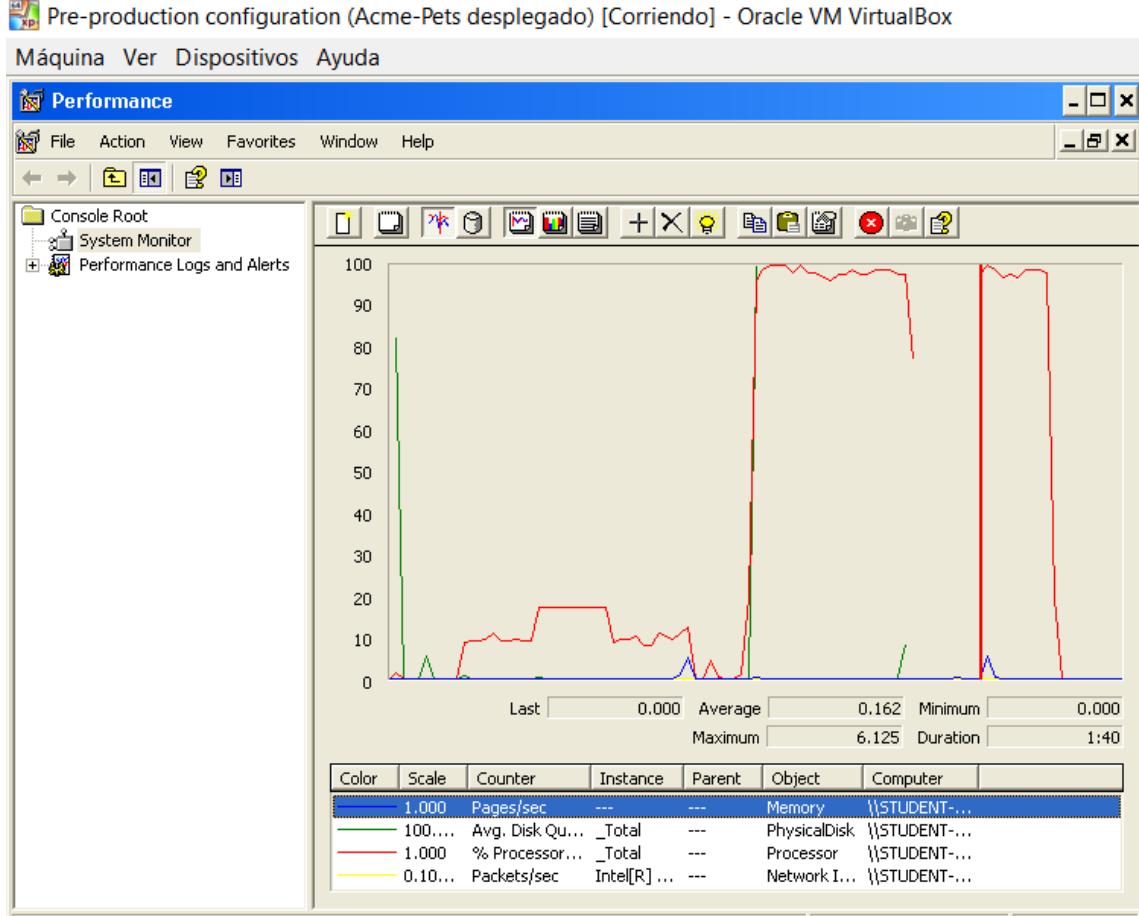
Positivo Graph:



Negativo:



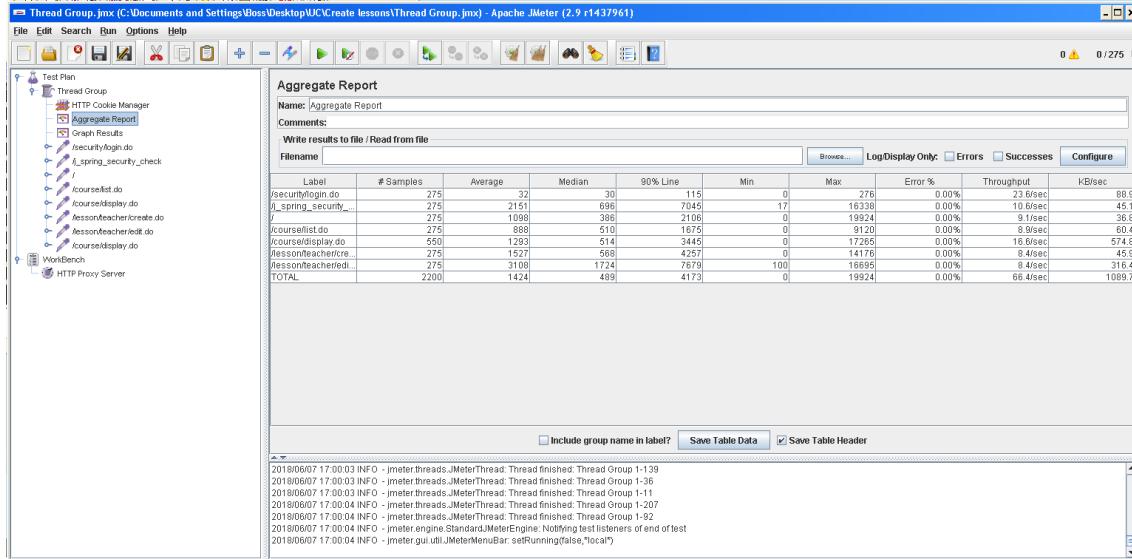
Performance:



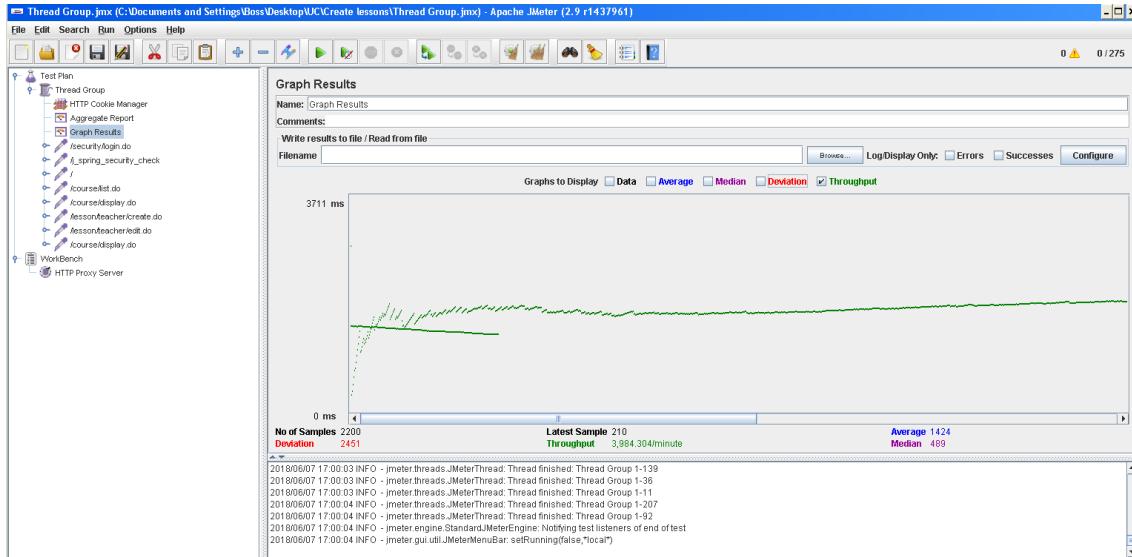
Causa: Cuello de botella con el procesador.

UC03-Listar y crear lecciones (275 usuarios)

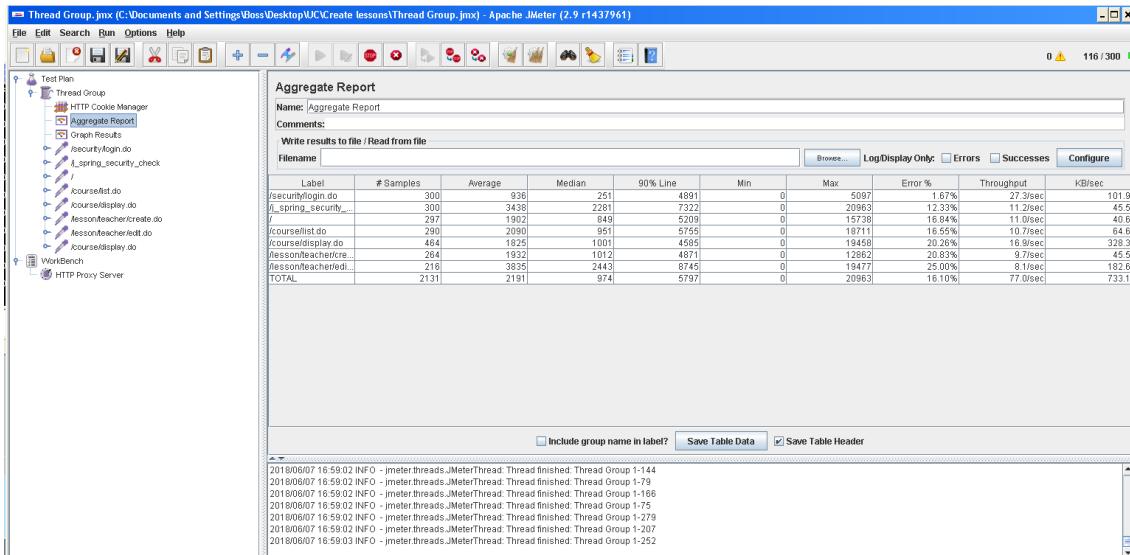
Positivo Aggregate:



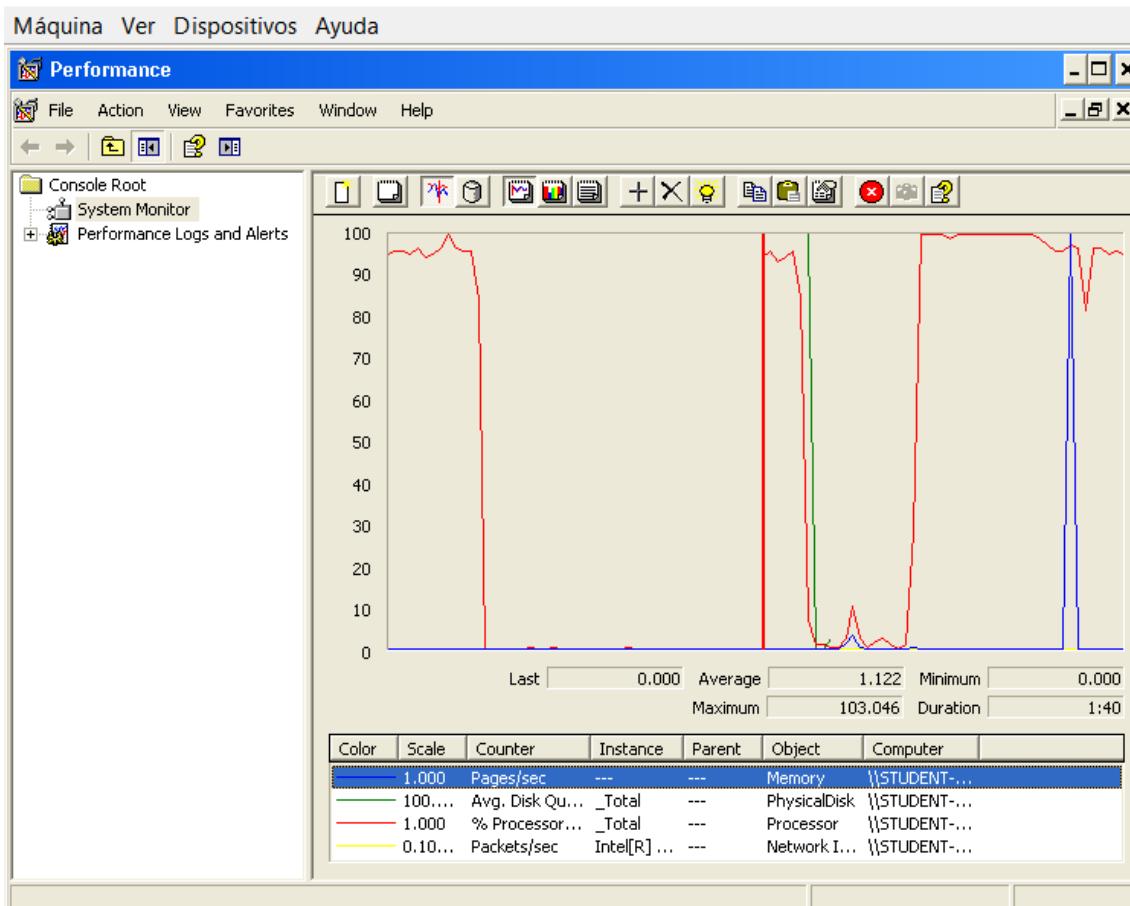
Positivo Graph:



Negativo:



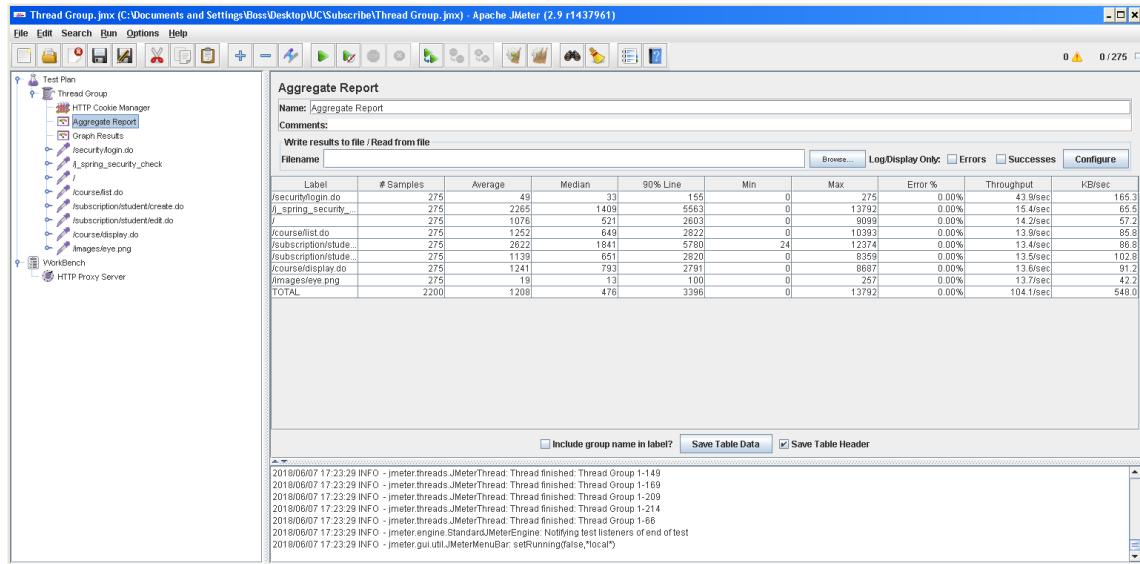
Performance:



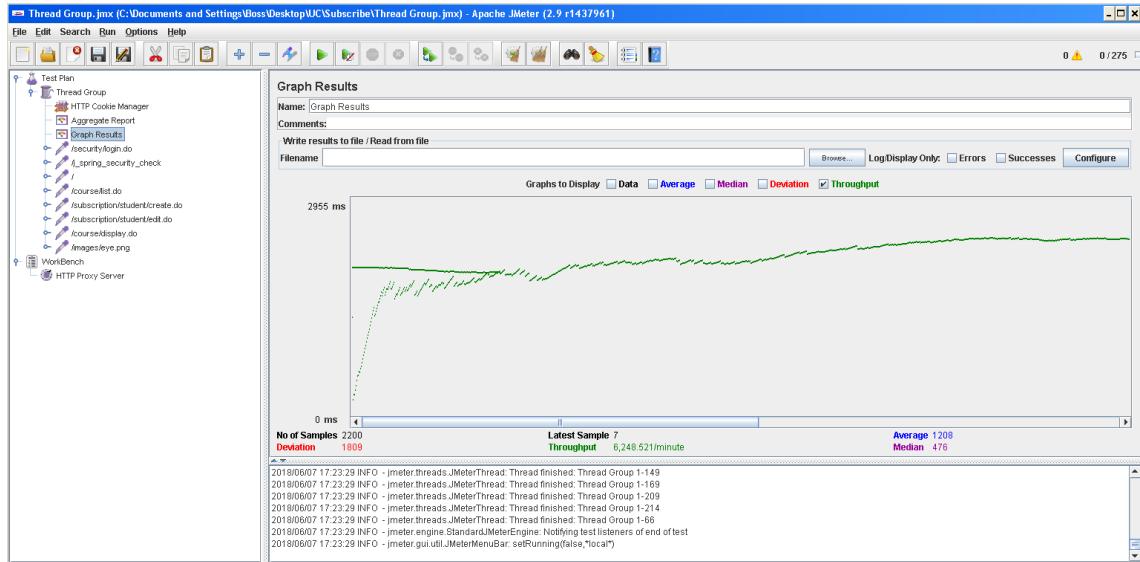
Causa: Cuello de botella con el procesador y la ram

UC04-Subscribirte a un curso como student (275 usuarios)

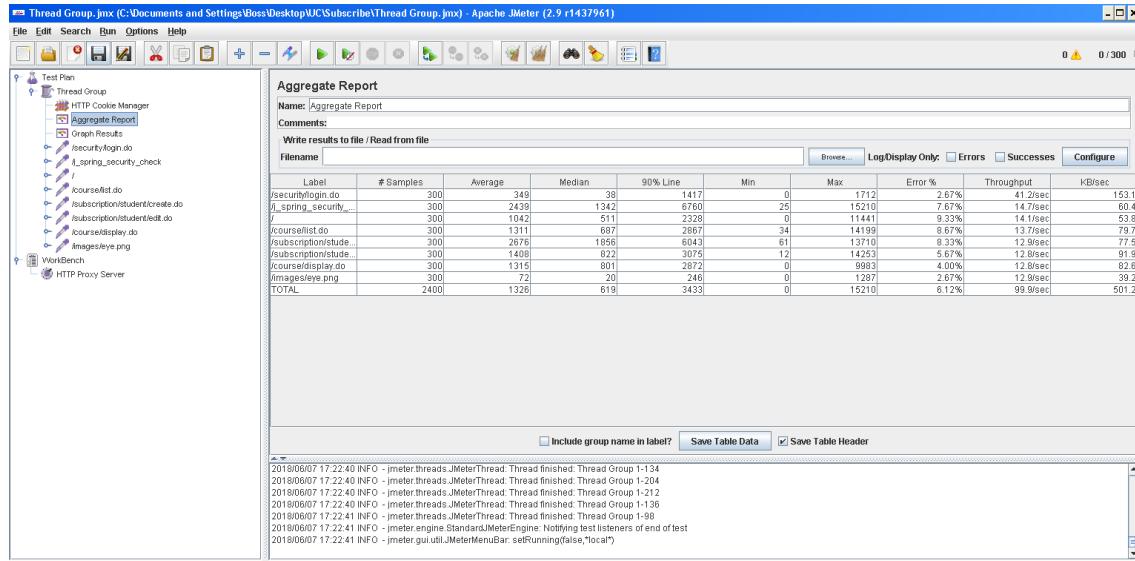
Positivo Aggregate:



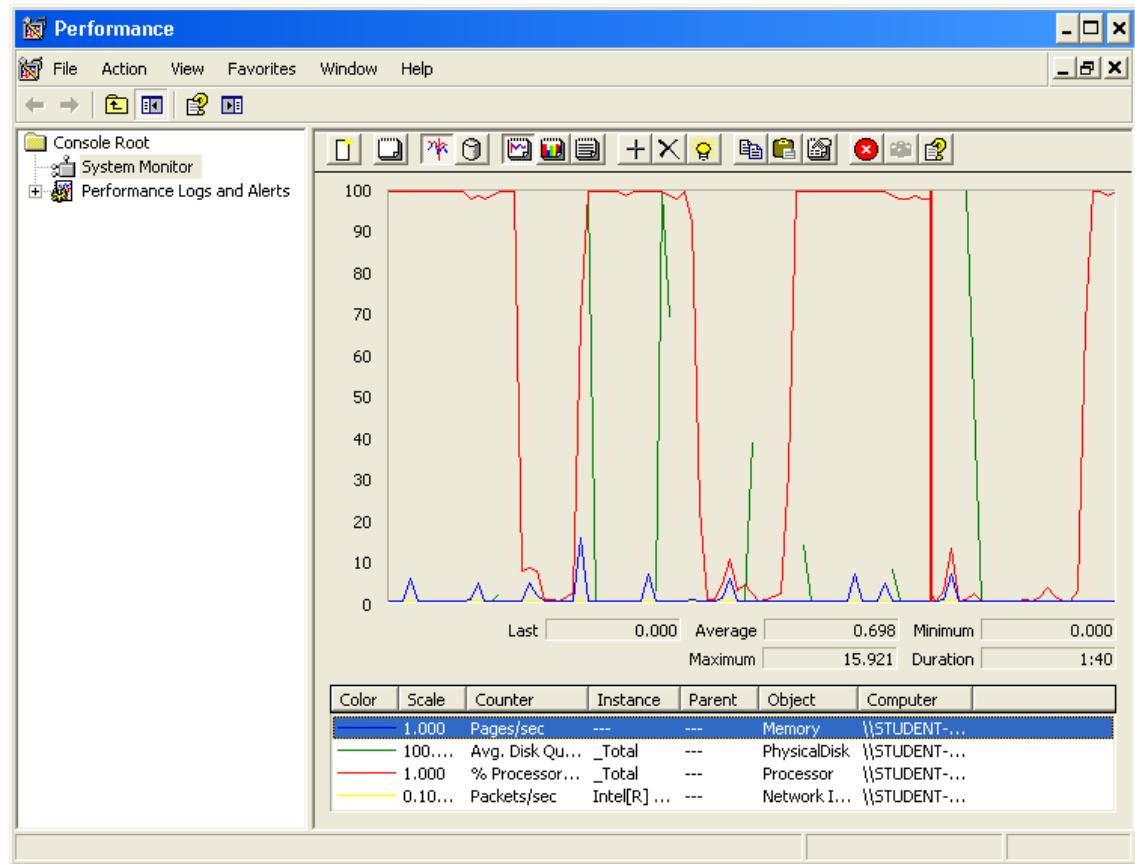
Positivo Graph:



Negativo:



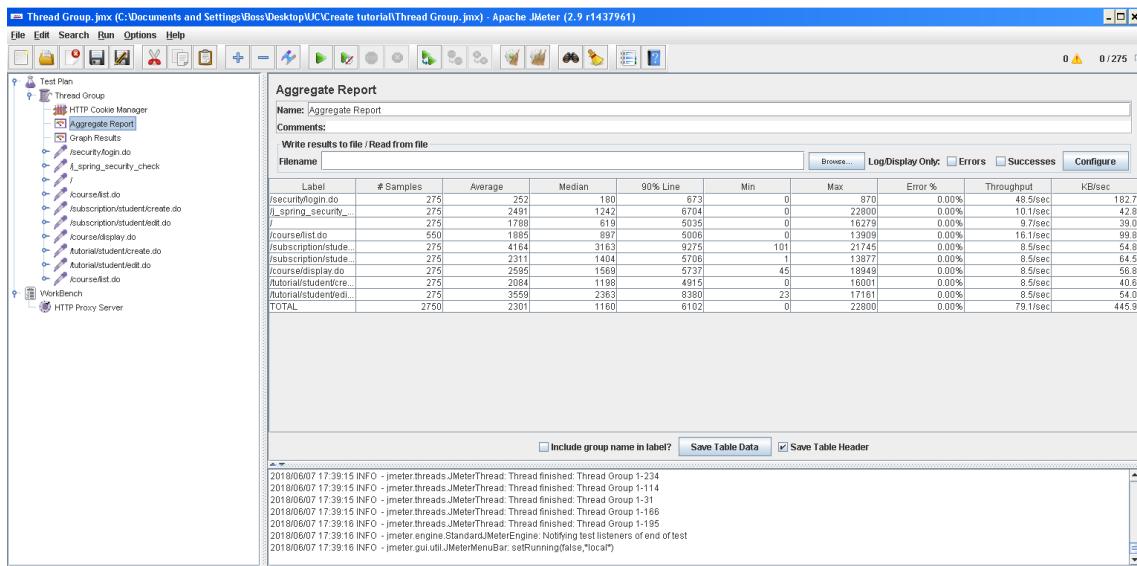
Performance:



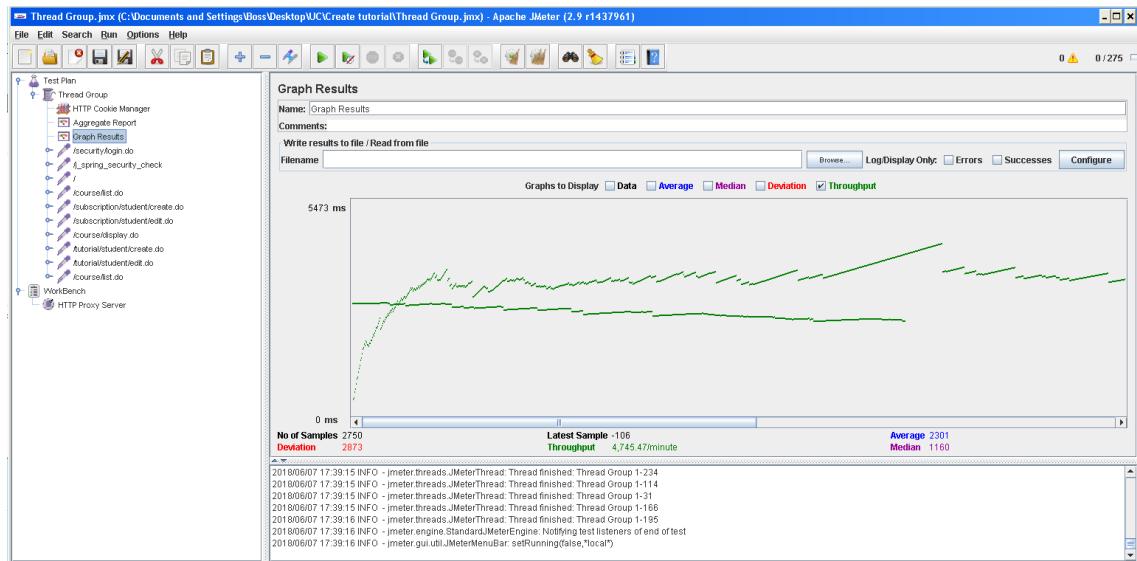
Causa: Cuello de botella con el procesador y el disco duro.

UC05-Crear tutorías (275 usuarios)

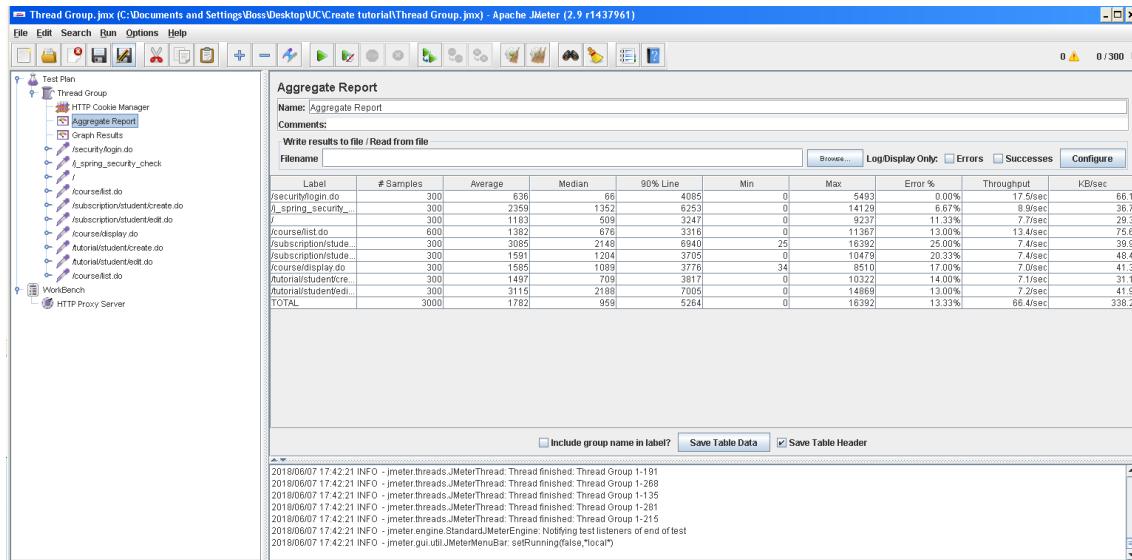
Positivo Aggregate:



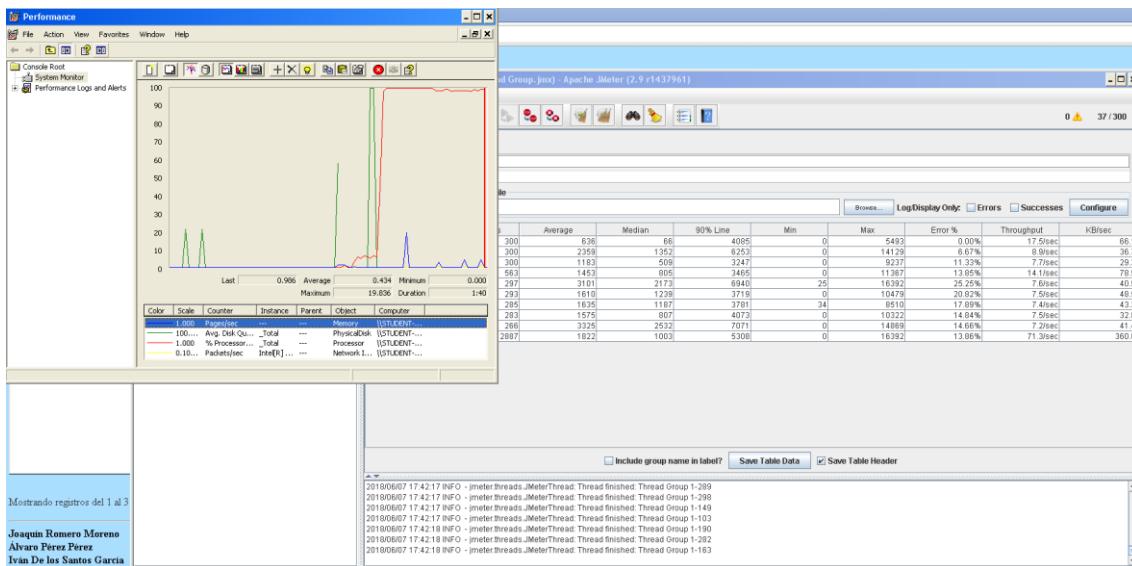
Positivo Graph:



Negativo:



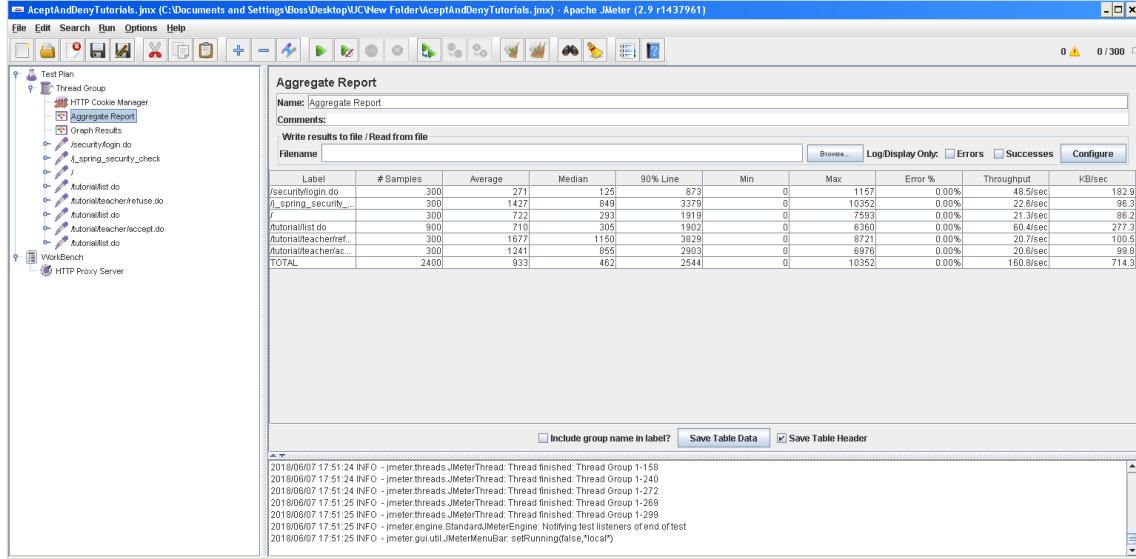
Performance:



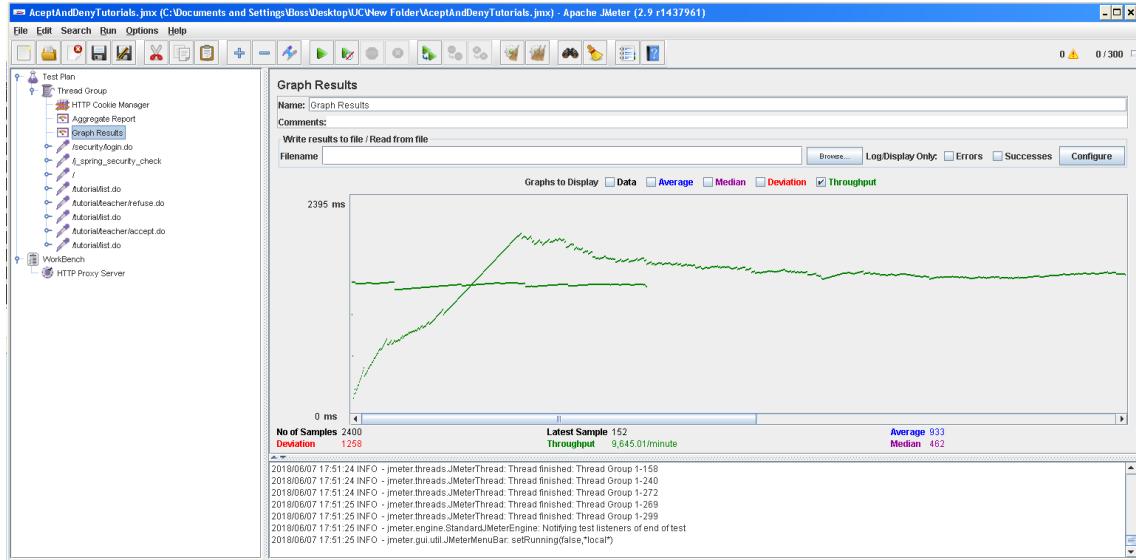
Causa: Cuello de botella con el procesador y el disco duro.

UC05 (2) - Listar tutorías y aceptarlas/rechazarlas (300 usuarios)

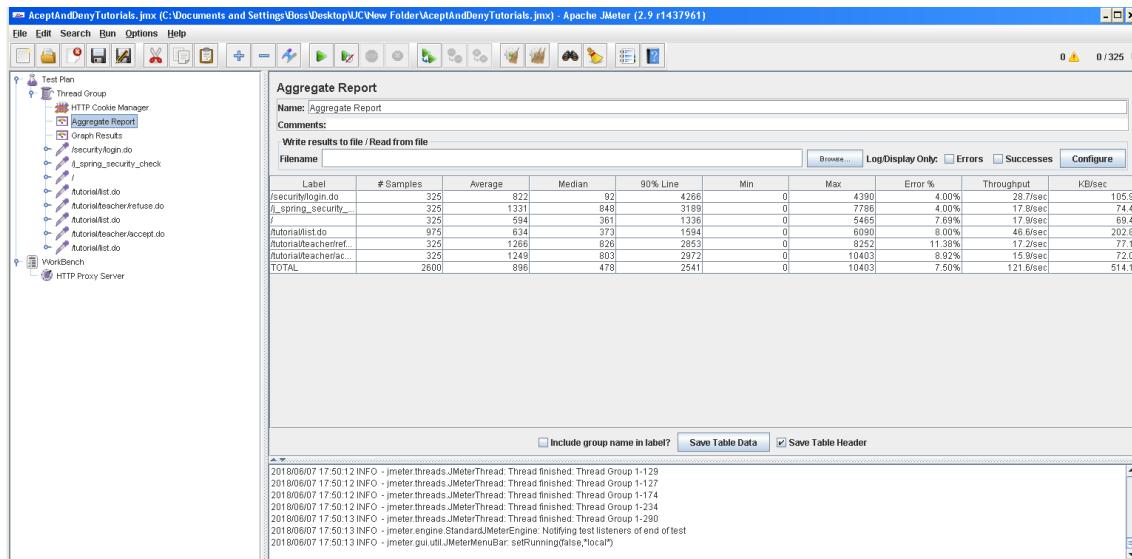
Positivo Aggregate:



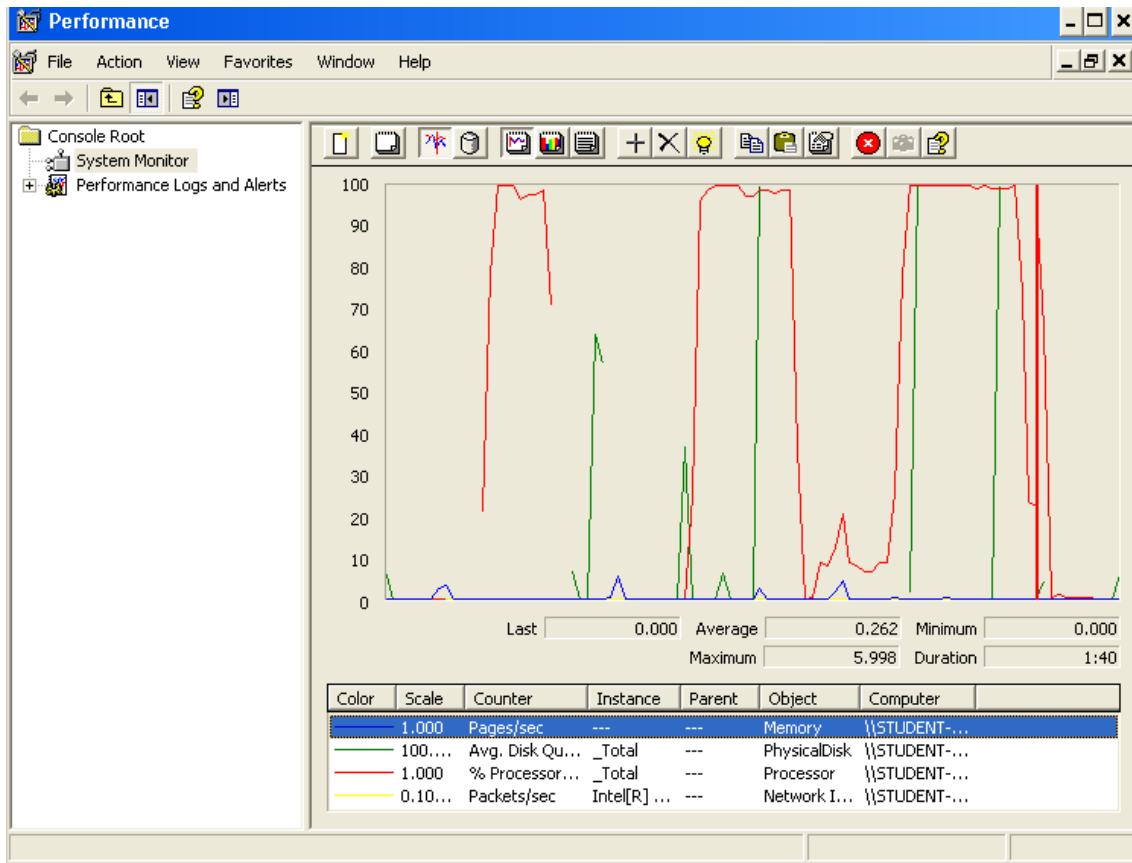
Positivo Graph:



Negativo:



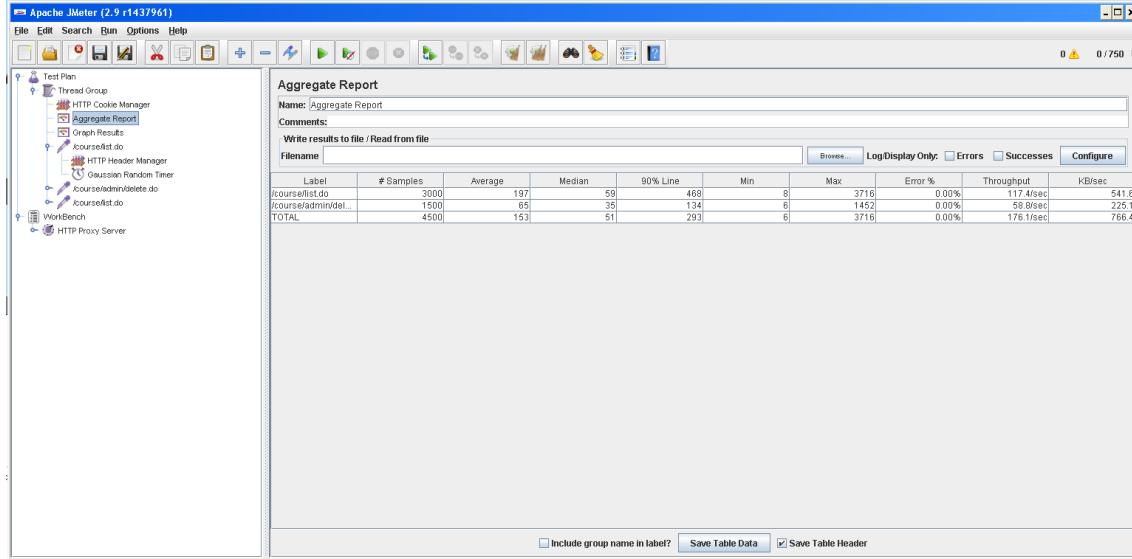
Performance:



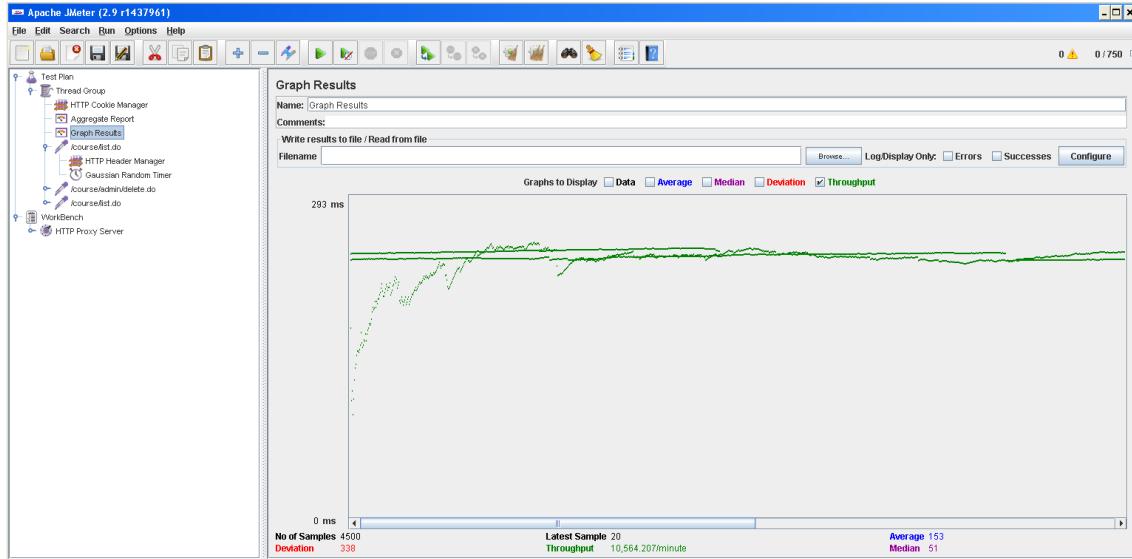
Causa: Cuello de botella con el procesador y el disco duro.

UC06 – Borrar cursos como administrador (750 usuarios)

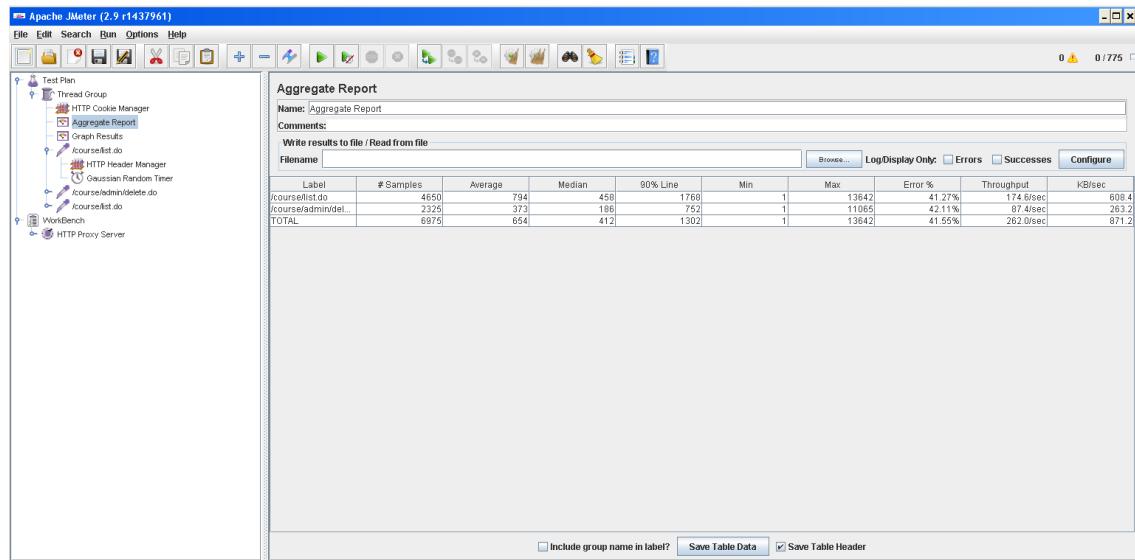
Positivo Aggregate:



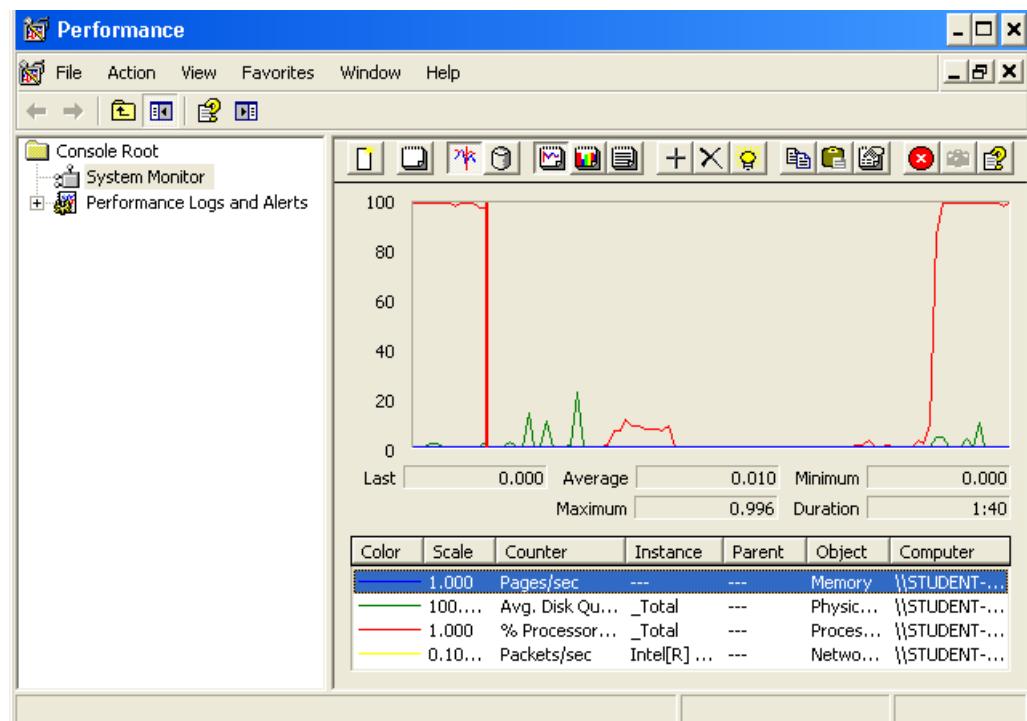
Positivo Graph:



Negativo:



Performance:



Causa: Cuello de botella por el procesador

UC07 – Registrar como estudiante del sistema (170 usuarios)

Positivo aggregate:

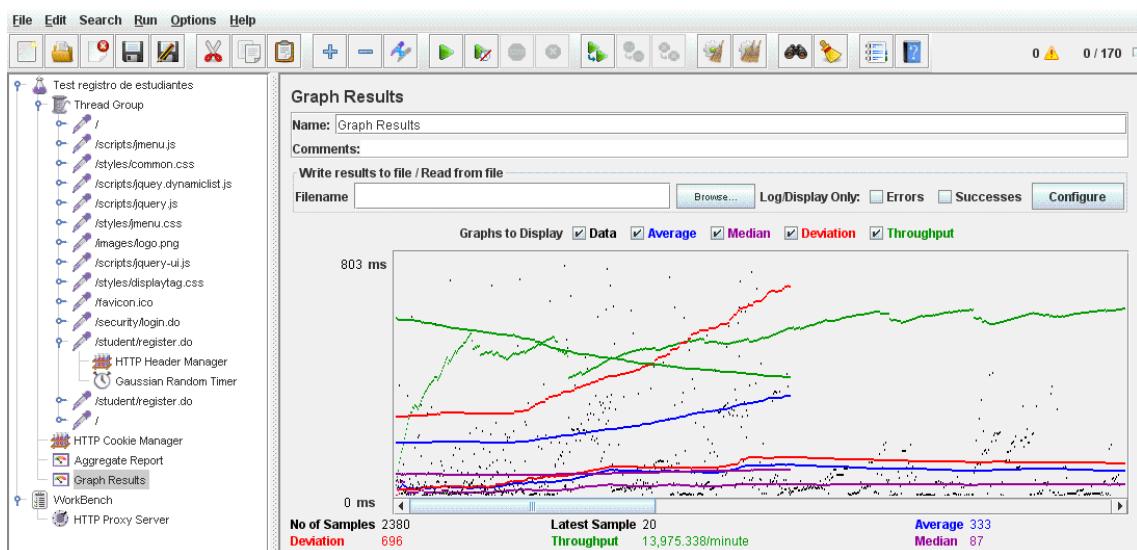
Screenshot of JMeter Aggregate Report results for 170 users.

Aggregate Report

Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
/	340	607	337	1358	14	5418	0.00%	33.3/sec	99.0
/scripts/jme...	170	107	68	279	2	393	0.00%	48.9/sec	516.6
/styles/com...	170	62	19	263	2	530	0.00%	46.0/sec	75.5
/scripts/jque...	170	68	18	259	2	464	0.00%	44.5/sec	200.3
/scripts/jque...	170	215	170	472	6	868	0.00%	42.3/sec	11402.9
/scripts/jmen...	170	51	24	137	2	500	0.00%	41.1/sec	73.3
/images/logo...	170	109	68	256	3	573	0.00%	38.4/sec	1681.8
/scripts/jque...	170	240	185	612	7	956	0.00%	36.0/sec	16367.9
/styles/displ...	170	50	27	131	2	328	0.00%	36.5/sec	123.4
/favicon.ico	170	80	58	215	2	330	0.00%	36.2/sec	1175.0
/security/logi...	170	331	287	688	7	1017	0.00%	34.7/sec	120.4
/student/regi...	340	1064	225	2993	5	5863	0.00%	40.6/sec	237.0
TOTAL	2380	333	87	803	2	5863	0.00%	232.9/sec	14014.4

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

Positivo Graph:



Negativo:

Screenshot of JMeter Aggregate Report interface.

The left sidebar shows the test plan structure:

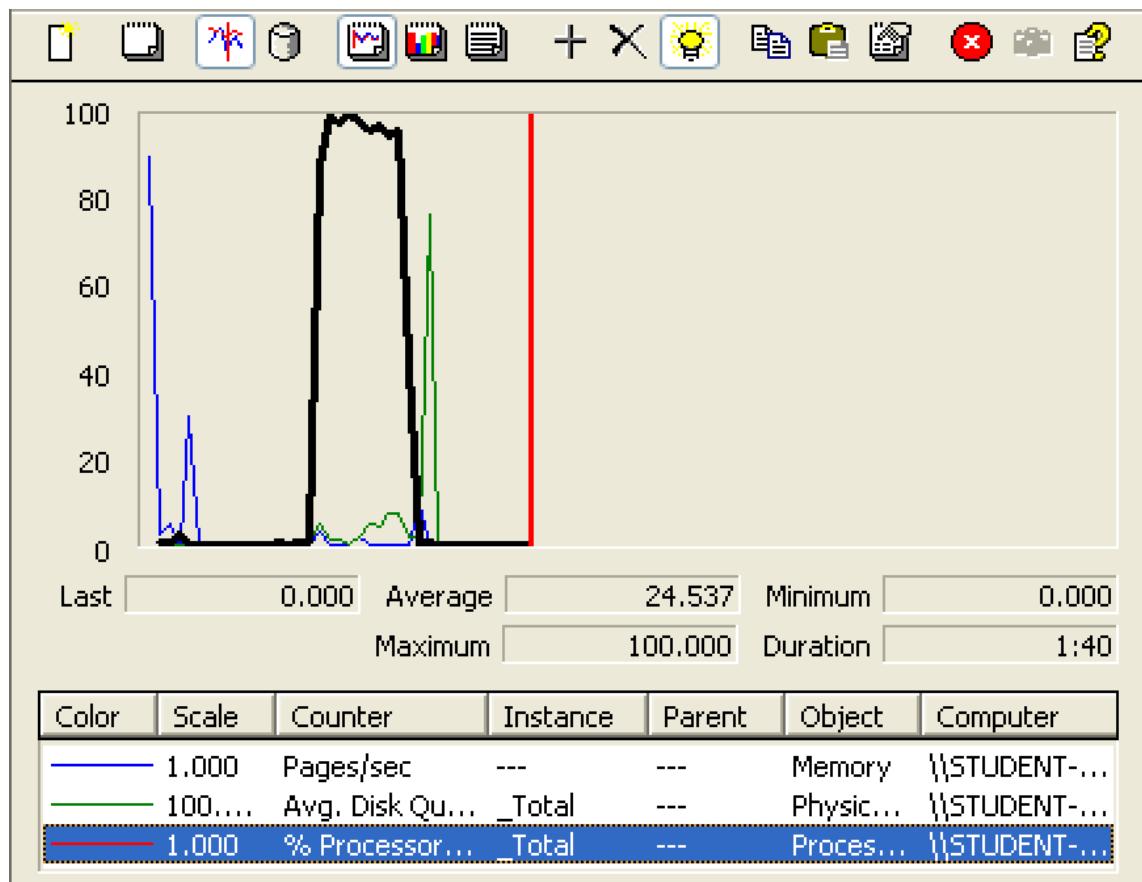
- Test registro de estudiantes
- Thread Group
 - /
 - /scripts/jmenu.js
 - /styles/common.css
 - /scripts/jquery.dynamelist.js
 - /scripts/jquery.js
 - /styles/jmenu.css
 - /images/logo.png
 - /scripts/jquery-ui.js
 - /styles/displaytag.css
 - /favicon.ico
 - /security/login.do
 - /student/register.do
 - HTTP Header Manager
 - Gaussian Random Timer
 - /student/register.do
 - /
 - HTTP Cookie Manager
 - Aggregate Report
 - Graph Results- WorkBench
- HTTP Proxy Server

The main panel displays the "Aggregate Report" results:

Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
/	400	765	321	2422	16	6943	0.00%	25.9/sec	77.2
/scripts/jme...	200	117	53	280	2	760	2.50%	58.7/sec	607.4
/styles/com...	200	97	26	327	2	656	3.50%	52.6/sec	86.7
/scripts/jque...	200	162	56	413	2	1156	2.00%	46.4/sec	206.7
/scripts/jque...	200	508	344	1203	5	2091	1.00%	34.6/sec	9237.3
/styles/jmen...	200	116	47	305	2	1156	4.00%	33.5/sec	60.0
/images/log...	200	282	234	592	3	1169	7.00%	31.5/sec	1271.6
/scripts/jque...	200	785	629	1532	10	2625	2.00%	30.2/sec	13447.2
/styles/displ...	200	181	103	481	2	1072	2.50%	33.8/sec	113.4
/favicon.ico	200	227	179	471	3	1156	0.50%	34.6/sec	1118.1
/security/log...	200	1177	996	2645	6	3380	0.50%	30.4/sec	105.5
/student/regi...	400	1550	543	4721	6	8742	0.00%	34.8/sec	202.8
TOTAL	2800	592	225	1615	2	8742	1.82%	181.4/sec	10721.9

Buttons at the bottom: Include group name in label? Save Table Header

Performance:



Causa: Cuello de botella con el procesador.

UC08 – Registrar como patrocinador del sistema (170 usuarios)

Positivo aggregate:

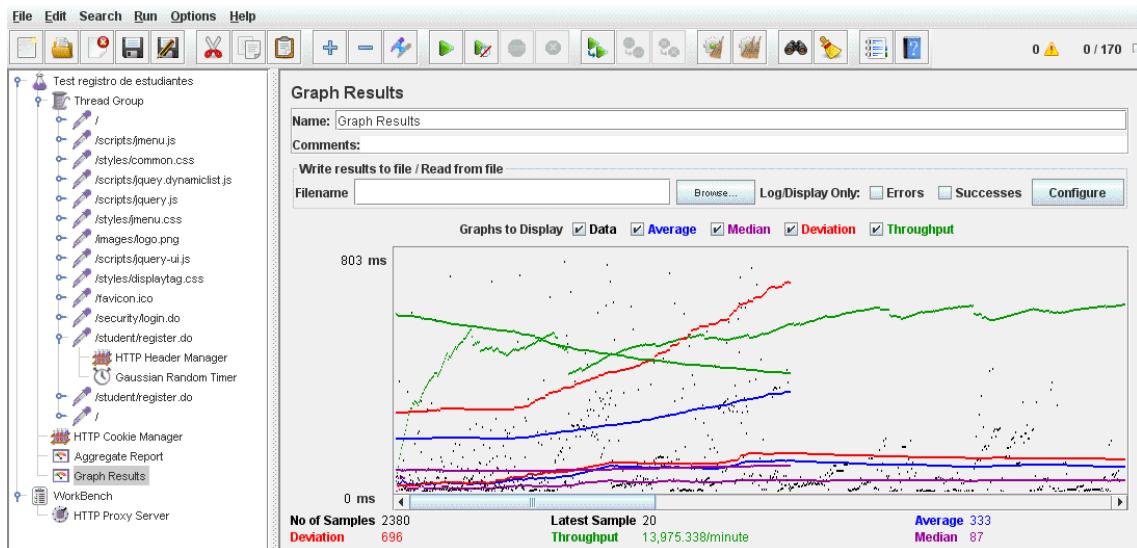
Screenshot of JMeter Aggregate Report results for 170 users.

Aggregate Report

Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
/	340	607	337	1358	14	5418	0.00%	33.3/sec	99.0
/scripts/jme...	170	107	68	279	2	393	0.00%	48.9/sec	516.6
/styles/com...	170	62	19	263	2	530	0.00%	46.0/sec	75.5
/scripts/jque...	170	68	18	259	2	464	0.00%	44.5/sec	200.3
/scripts/jque...	170	215	170	472	6	868	0.00%	42.3/sec	11402.9
/scripts/jmen...	170	51	24	137	2	500	0.00%	41.1/sec	73.3
/images/logo...	170	109	68	256	3	573	0.00%	38.4/sec	1681.8
/scripts/jque...	170	240	185	612	7	956	0.00%	36.0/sec	16367.9
/styles/displ...	170	50	27	131	2	328	0.00%	36.5/sec	123.4
/favicon.ico	170	80	58	215	2	330	0.00%	36.2/sec	1175.0
/security/logi...	170	331	287	688	7	1017	0.00%	34.7/sec	120.4
/student/regi...	340	1064	225	2993	5	5863	0.00%	40.6/sec	237.0
TOTAL	2380	333	87	803	2	5863	0.00%	232.9/sec	14014.4

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

Positivo Graph:



Negativo:

Screenshot of JMeter Aggregate Report results:

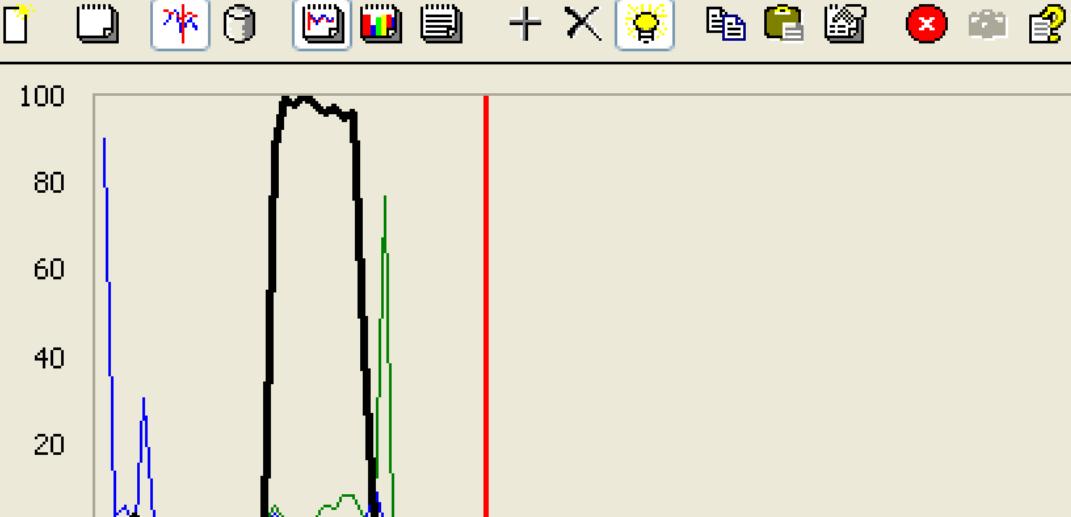
Test Plan Structure:

- Test registration of students
- Thread Group
 - /
 - /scripts/menu.js
 - /styles/common.css
 - /scripts/jquery.dynamictlist.js
 - /scripts/jquery.js
 - /styles/jmenu.css
 - /images/logo.png
 - /scripts/jquery-ui.js
 - /styles/displaytag.css
 - /favicon.ico
 - /security/login.do
 - /student/register.do
 - HTTP Header Manager
 - Gaussian Random Timer
 - /
 - HTTP Cookie Manager
 - Aggregate Report
 - Graph Results

Aggregate Report Details:

Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
/	400	765	321	2422	16	6943	0.00%	25.9/sec	77.2
/scripts/jme...	200	117	53	280	2	760	2.50%	58.7/sec	607.4
/styles/com...	200	97	26	327	2	656	3.50%	52.6/sec	86.7
/scripts/jque...	200	162	56	413	2	1156	2.00%	46.4/sec	206.7
/scripts/jque...	200	508	344	1203	5	2091	1.00%	34.6/sec	9237.3
/styles/jmen...	200	116	47	305	2	1156	4.00%	33.5/sec	60.0
/images/jlog...	200	282	234	592	3	1169	7.00%	31.5/sec	1271.6
/scripts/jque...	200	785	629	1532	10	2625	2.00%	30.2/sec	13447.2
/styles/displ...	200	181	103	481	2	1072	2.50%	33.8/sec	113.4
/favicon.ico	200	227	179	471	3	1156	0.50%	34.6/sec	11181
/security/log...	200	1177	996	2645	6	3380	0.50%	30.4/sec	105.5
/student/regi...	400	1550	543	4721	6	8742	0.00%	34.8/sec	202.8
TOTAL	2800	592	225	1615	2	8742	1.82%	181.4/sec	10721.9

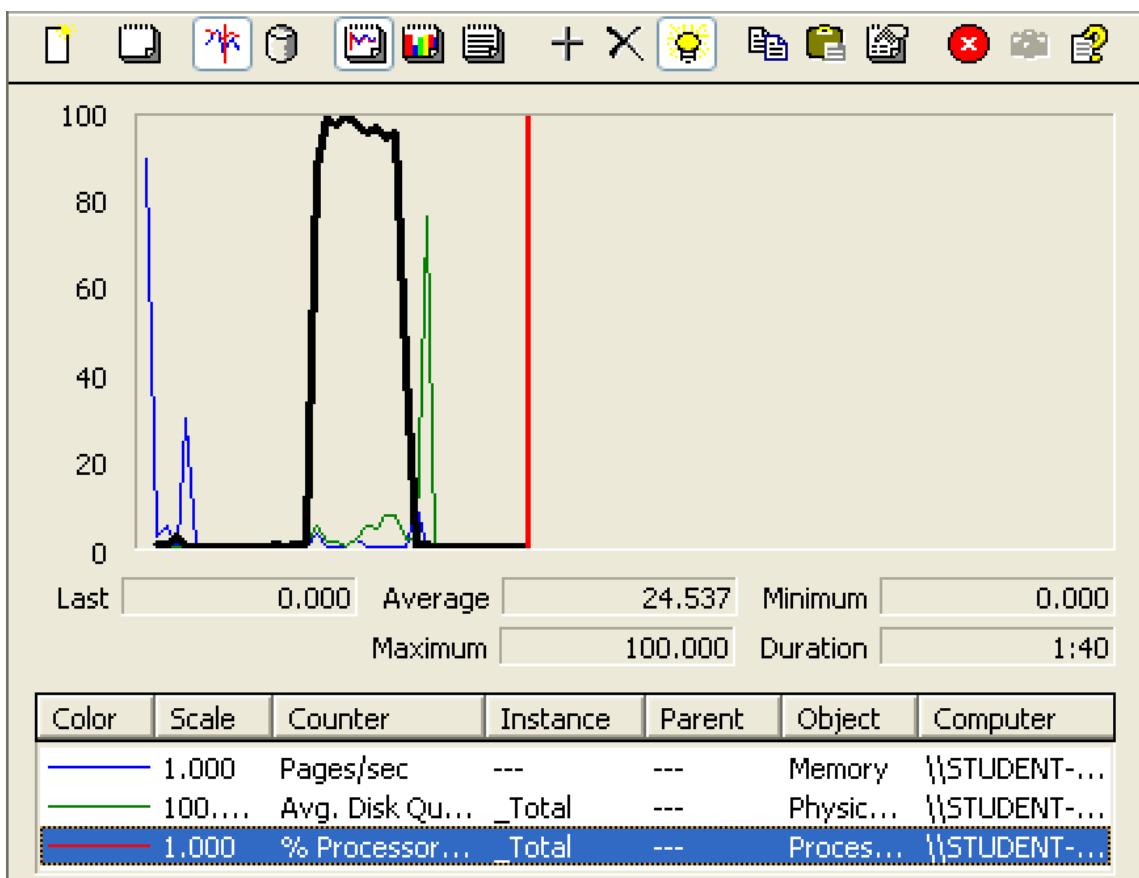
Performance Monitoring:



The performance monitor displays multiple metrics over time. A large black line shows CPU usage peaking at 100%. A blue line shows memory usage with several sharp peaks. A green line shows disk queue length. A red line shows processor usage.

Color	Scale	Counter	Instance	Parent	Object	Computer
Blue	1.000	Pages/sec	---	---	Memory	\STUDENT-...
Green	100....	Avg. Disk Qu...	_Total	---	Physic...	\STUDENT-...
Red	1.000	% Processor...	_Total	---	Proces...	\STUDENT-...

Performance:



Causa: Cuello de botella con el procesador.

UC09 – Registrar como profesor del sistema (260 usuarios)

Positivo Aggregate:

Screenshot of JMeter's Aggregate Report results for the "Test registro profesor" test plan.

Aggregate Report

Name: Aggregate Report
Comments:

Write results to file / Read from file

Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
/	980	902	219	2879	6	9161	0.00%	20.6/sec	61.4
/security/login.do	490	567	389	1325	5	1953	0.00%	10.6/sec	37.0
/teacher/register.do	980	1963	495	6158	7	8951	0.00%	21.2/sec	167.3
TOTAL	2450	1259	300	4335	5	9161	0.00%	51.5/sec	259.9

Include group name in label? Save Table Header

Positivo Graph:



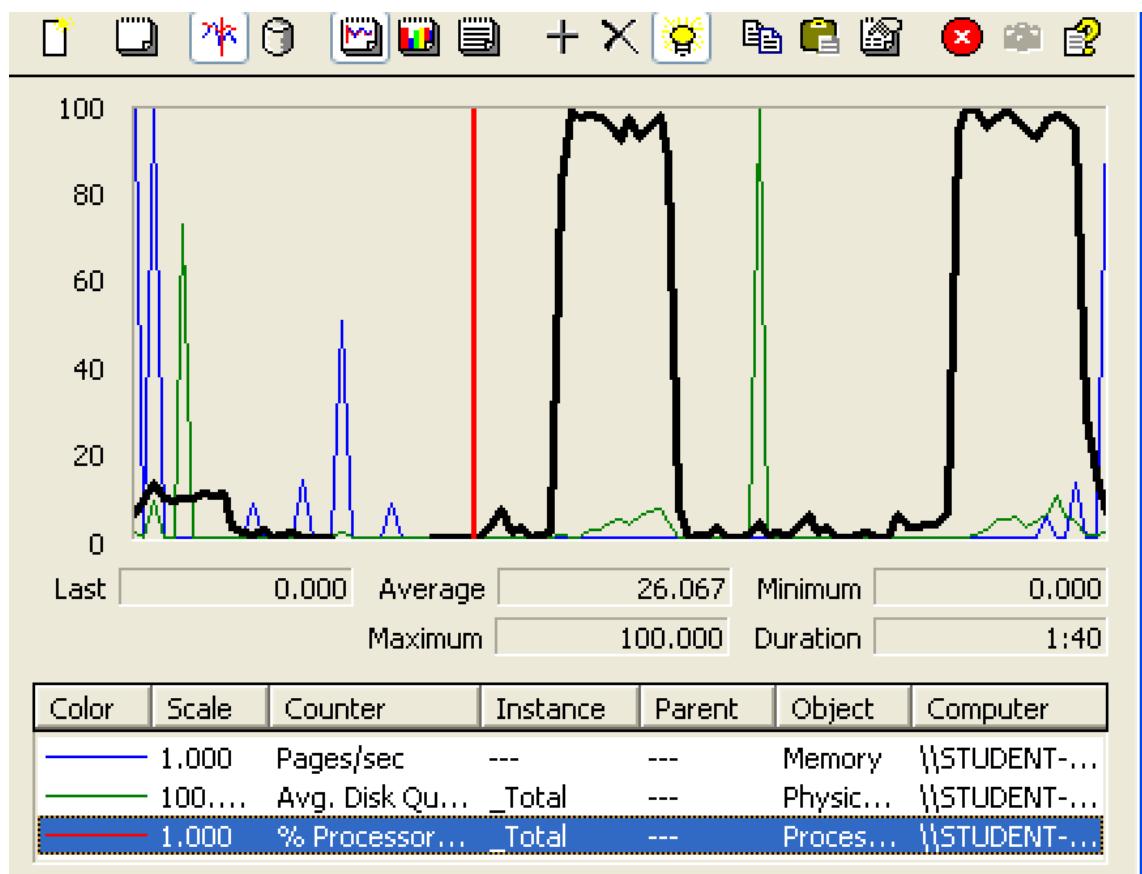
Nevativo:

The screenshot shows the JMeter interface with the 'Aggregate Report' selected. On the left, the test plan tree includes a 'Test registro profesor' thread group containing various requests like '/security/login.do' and 'Teacher/register.do'. A 'Gaussian Random Timer' is also present. On the right, the 'Aggregate Report' panel displays the following table:

Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
/	1580	1104	240	3436	6	10159	2.91%	17.7/sec	52.2
/security/login...	790	577	265	1520	5	3578	6.33%	9.0/sec	30.3
/teacher/regi...	1580	1756	467	5619	7	10086	1.20%	18.0/sec	140.6
TOTAL	3950	1259	289	4003	5	10159	2.91%	44.2/sec	220.6

At the bottom, there are checkboxes for 'Include group name in label?' and 'Save Table Data'.

Performance:



Causa: Cuello de botella con el procesador y el disco duro.

UC10 – Mostrar y editar información personal como estudiante (155 usuarios)

Positivo aggregate:

Screenshot of JMeter Aggregate Report results:

Aggregate Report

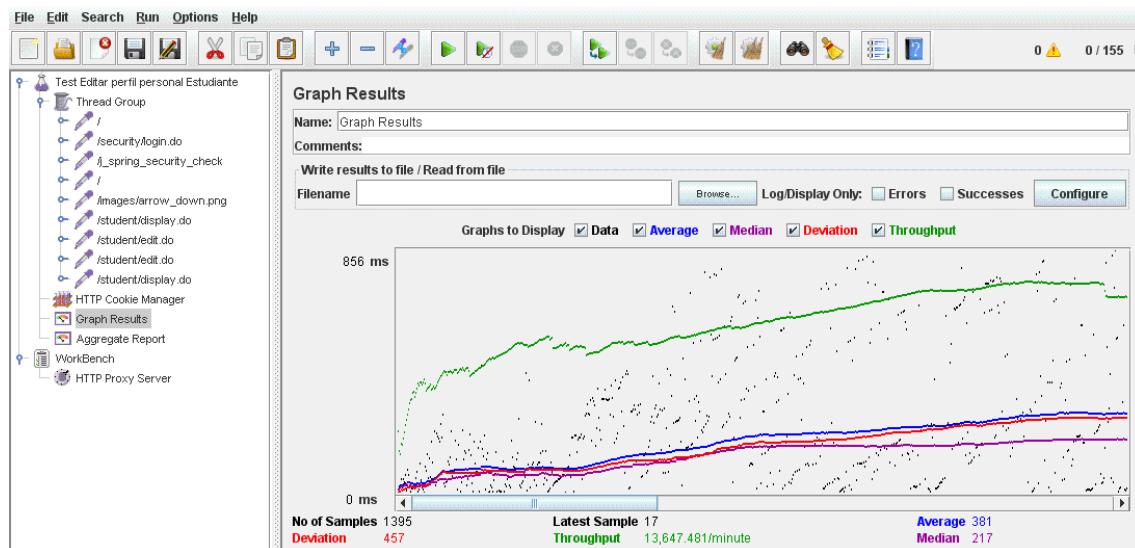
Name: Aggregate Report
Comments:

Write results to file / Read from file

Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
/	310	312	235	678	6	3339	0.00%	55.5/sec	192.4
/security/login.do	155	526	626	918	9	1151	0.00%	58.9/sec	204.3
/j_spring_security_check	155	736	404	1945	22	2805	0.00%	30.1/sec	124.2
/images/arrow_down.png	155	25	15	50	2	270	0.00%	28.3/sec	12.4
/student/display.do	310	279	134	716	7	2571	0.00%	51.6/sec	250.6
/student/edit.do	310	479	321	1143	14	2516	0.00%	52.6/sec	454.4
/student/display.do	310	279	134	716	7	2571	0.00%	51.6/sec	250.6
TOTAL	1395	381	217	910	2	3339	0.00%	227.5/sec	1060.7

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

Positivo Graph:

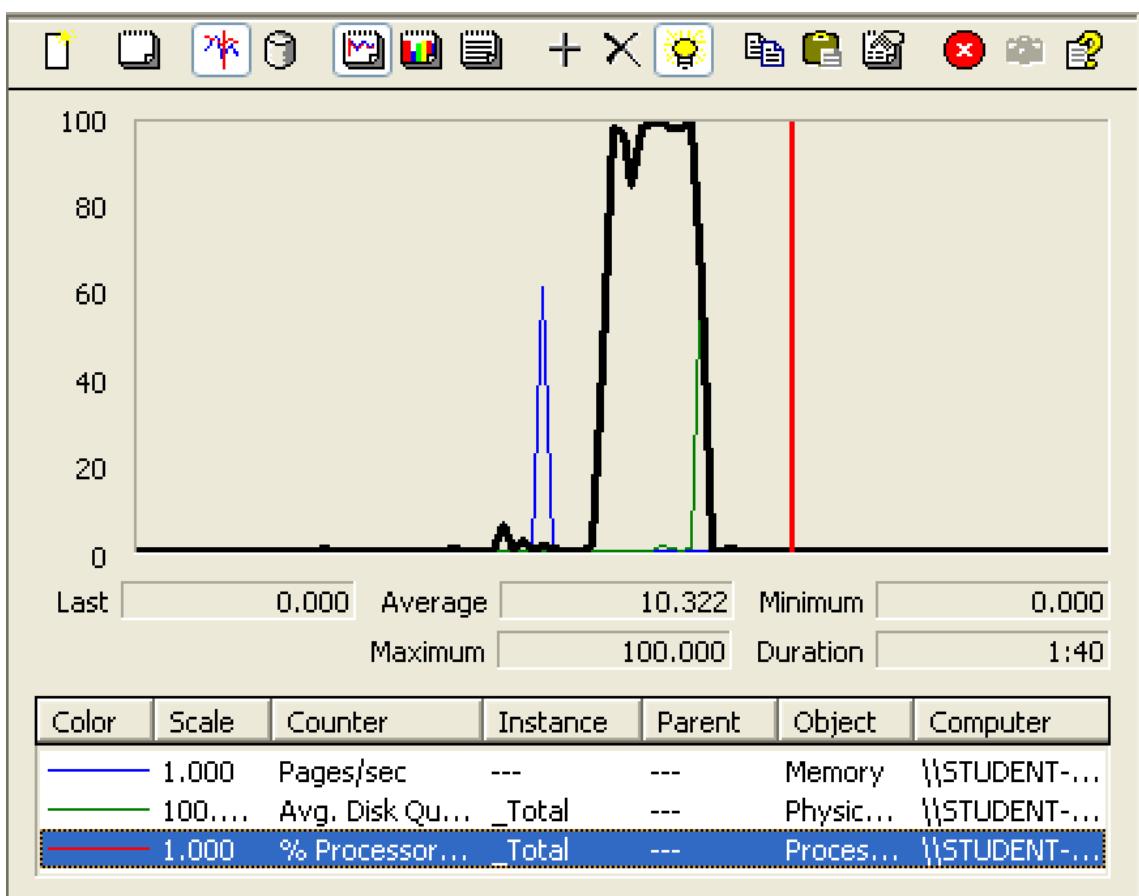


Negativo:

The screenshot shows the JMeter Aggregate Report interface. On the left, a tree view displays the test plan structure under 'Test Editar perfil personal Estudiante'. The 'Aggregate Report' node is selected. The main panel shows an 'Aggregate Report' summary with fields for 'Name' (Aggregate Report) and 'Comments'. Below this is a table of results with columns: Label, # Samples, Average, Median, 90% Line, Min, Max, Error %, Throughput, and KB/sec. The table includes rows for various URLs and a 'TOTAL' row. At the bottom, there are checkboxes for 'Include group name in label?' and 'Save Table Data'.

Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
/	1506	608	353	1513	7	5620	1.46%	7.9/sec	27.0
/security/login.do	753	479	286	1299	6	2556	0.00%	4.0/sec	13.8
/j_spring_security_check	753	1382	946	3309	17	6796	2.52%	3.9/sec	16.1
/images/arrow_down.png	753	102	29	204	1	2893	3.05%	3.9/sec	1.9
/student/display.do	1506	512	231	1353	10	4434	1.93%	7.8/sec	37.7
/student/edit.do	1506	781	473	1855	12	4780	1.53%	7.9/sec	66.5
/student/display.do	6777	640	310	1690	1	6796	1.71%	35.2/sec	162.4
TOTAL									

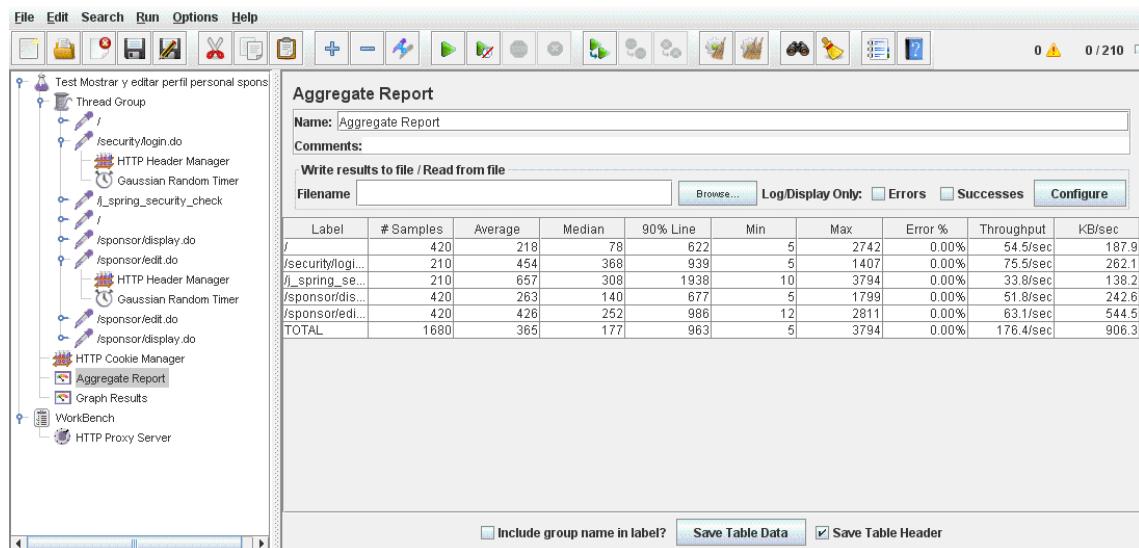
Performance:



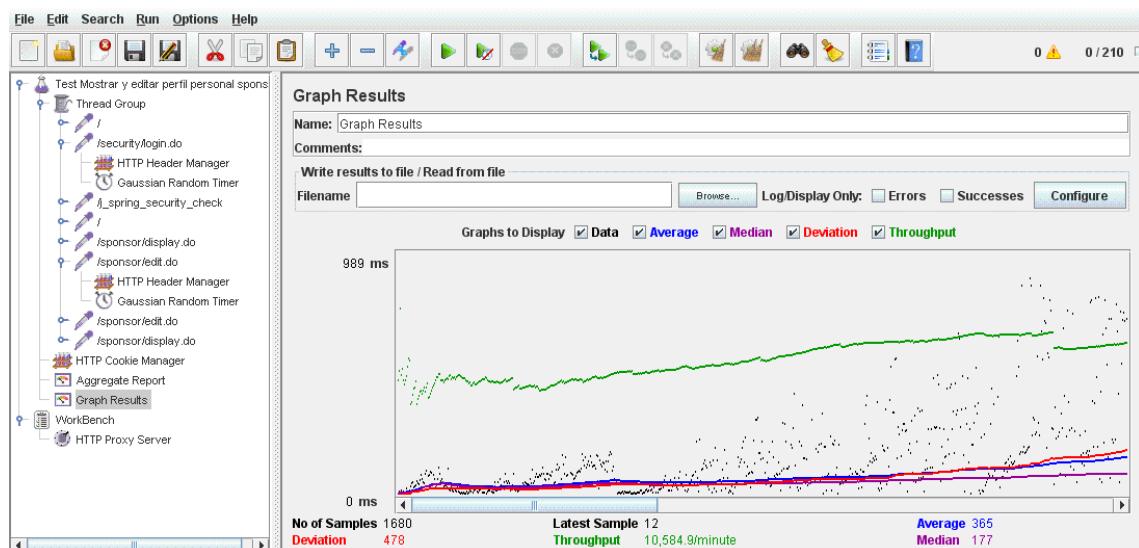
Causa: Cuello de botella con el procesador.

UC11 – Mostrar y editar información personal como patrocinador (210 usuarios)

Positivo Aggregate:



Positivo Graph:

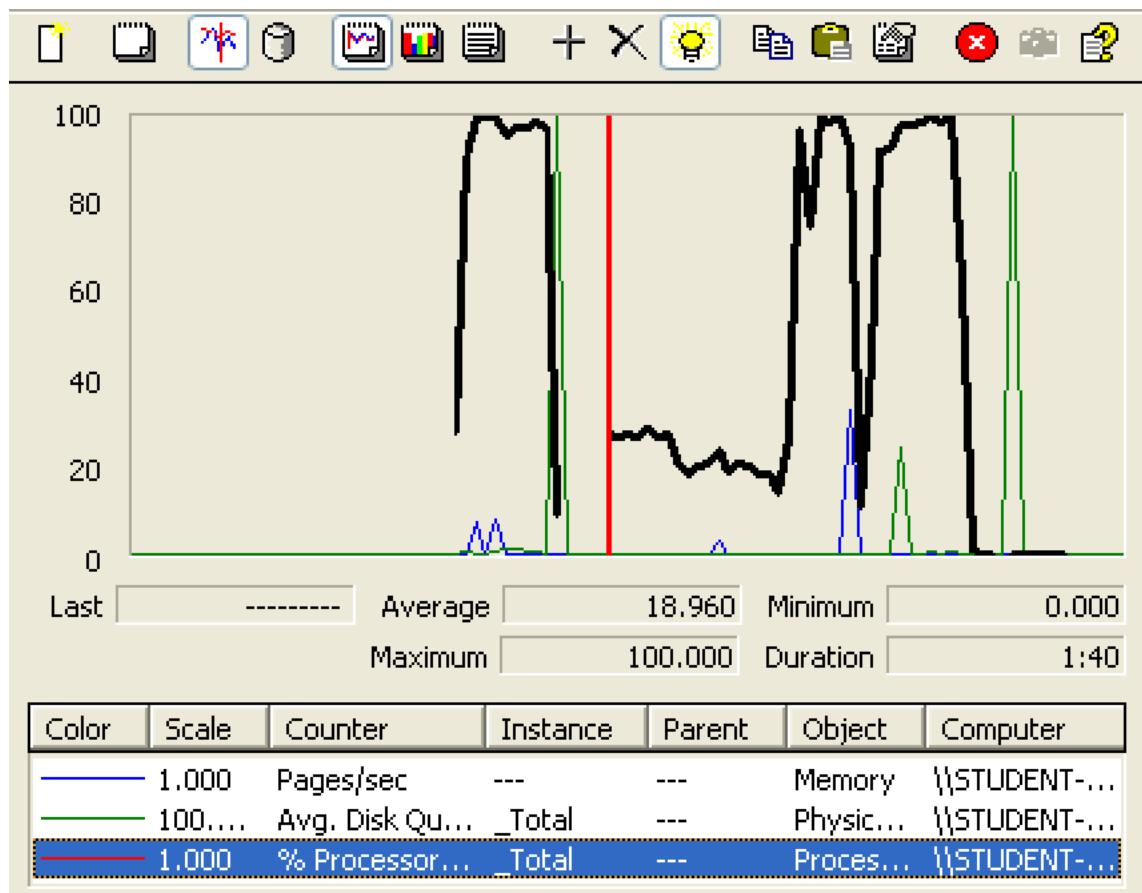


Negativo:

The screenshot shows the JMeter interface with the 'Aggregate Report' selected. The left pane displays a tree view of the test plan, including a 'Thread Group' with various requests like '/security/login.do', '/spring_security_check', and '/sponsor/display.do'. The right pane shows the 'Aggregate Report' results table. The table has columns for Label, # Samples, Average, Median, 90% Line, Min, Max, Error %, Throughput, and KB/sec. The data includes rows for each request and a summary row for 'TOTAL'. The 'Configure' button is visible at the top of the table area.

Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
/	1360	126	32	282	3	2256	2.87%	2.3/sec	7.7
/security/login...	680	750	427	1847	5	2636	0.00%	1.2/sec	4.0
/_spring_se...	680	573	269	1706	10	3088	5.29%	1.1/sec	4.6
/sponsor/dis...	1360	210	82	563	5	2505	5.51%	2.3/sec	10.3
/sponsor/edit...	1360	382	245	923	8	3010	3.82%	2.3/sec	19.2
/sponsor/disp...									
TOTAL	5440	345	128	1110	3	3088	3.71%	9.1/sec	45.6

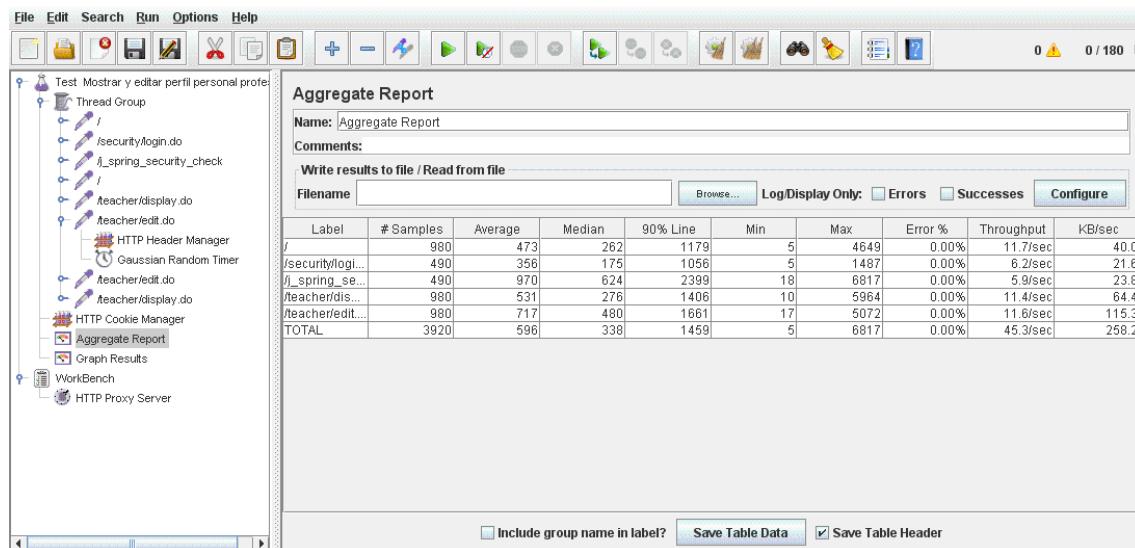
Performance:



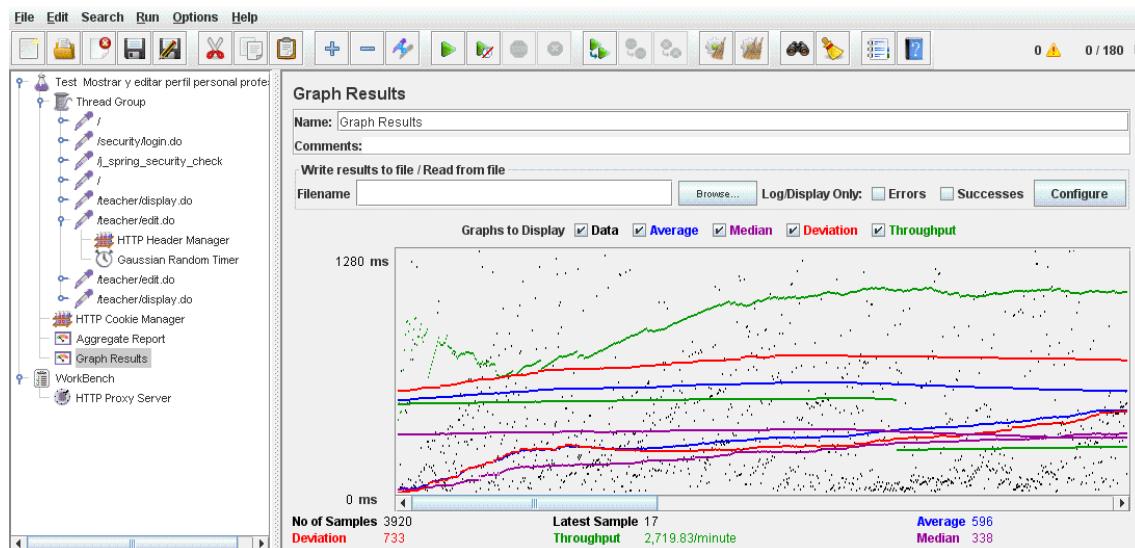
Causa: Cuello de botella con el procesador y el disco duro.

UC12 – Mostrar y editar información personal como profesor (180 usuarios)

Positivo Aggregate:



Positivo Graph:



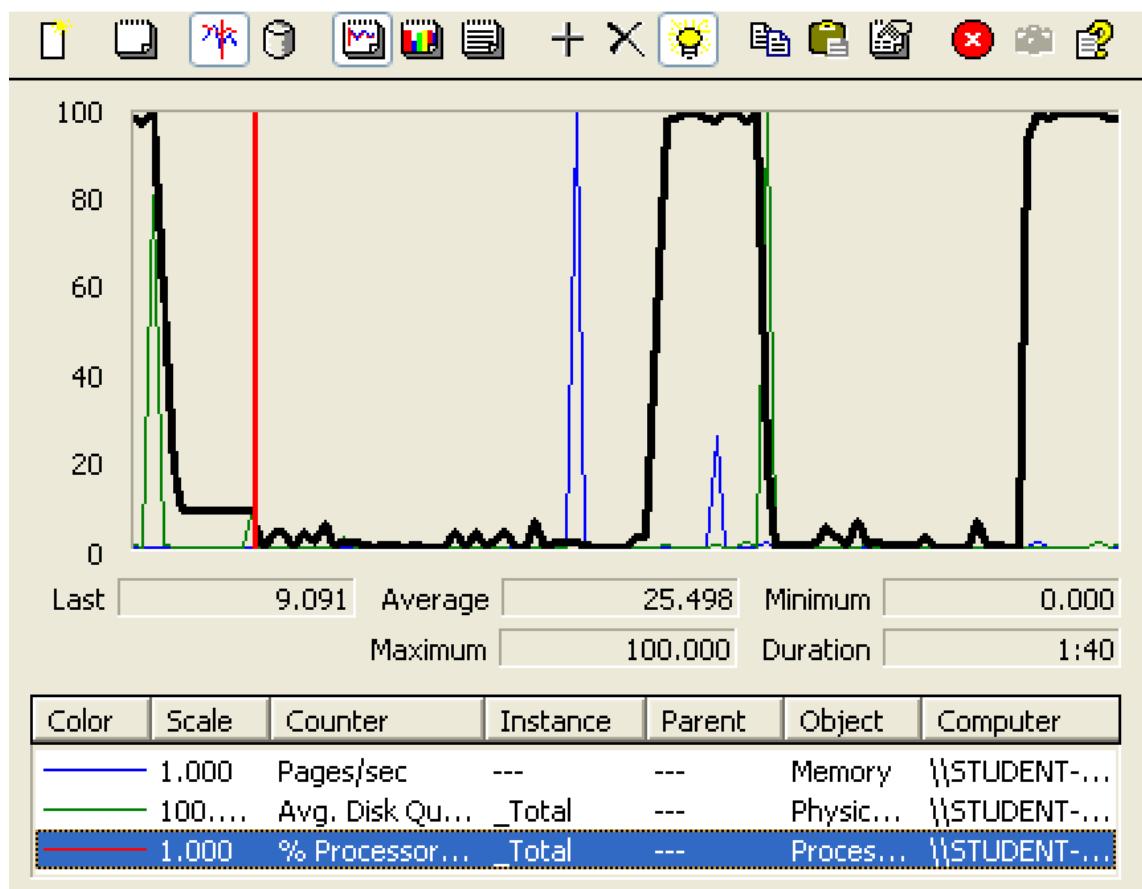
Negativo:

The screenshot shows the JMeter interface with the 'Aggregate Report' selected. On the left, the test plan tree shows a 'Thread Group' with various requests like '/security/login.do', '/j_spring_security_check', and 'teacher/display.do'. The main panel displays an 'Aggregate Report' table with the following data:

Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
/	1400	489	294	1151	5	4649	0.00%	11.4/sec	38.9
/security/login...	700	475	287	1236	5	2056	0.00%	6.1/sec	21.0
/j_spring_se...	700	1039	657	2473	18	6817	0.00%	5.7/sec	23.3
/teacher/disp...	1400	592	305	1534	8	5964	0.00%	11.2/sec	63.5
/teacher/edit...	1400	809	533	1812	13	6752	0.21%	11.4/sec	112.7
TOTAL	5600	662	383	1592	5	6817	0.05%	44.7/sec	254.6

At the bottom, there are checkboxes for 'Include group name in label?' and 'Save Table Data'.

Performance:



Causa: Cuello de botella con el procesador y el disco duro.

UC13 – Mostrar y editar información personal como administrador (5 usuarios)

Positivo Aggregate:

Screenshot of JMeter's Aggregate Report interface.

Tree View (Left):

- Test Mostrar y editar perfil de administrador
 - Graph Results
 - Aggregate Report
 - Thread Group
 - /
 - /security/login.do
 - /_spring_security_check
 - /
 - /admin/display.do
 - /admin/edit.do
 - HTTP Header Manager
 - Gaussian Random Timer
 - /admin/edit.do
 - /admin/display.do
 - HTTP Cookie Manager
 - WorkBench
 - HTTP Proxy Server

Aggregate Report Panel (Right):

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	Min	Max	Error %	Throughput	KB/sec
/	10	15	14	20	10	25	0.00%	11.1/sec	37.4
/security/lo...	5	19	19	19	12	29	0.00%	6.1/sec	21.1
/_spring_..._	5	38	36	41	32	47	0.00%	6.0/sec	23.8
/admin/disp...	10	22	20	28	15	38	0.00%	4.1/sec	19.3
/admin/edi...	10	42	24	70	18	77	0.00%	11.5/sec	61.2
TOTAL	40	27	19	56	10	77	0.00%	15.7/sec	67.2

Buttons at Bottom:

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

Positivo Graph:

Screenshot of JMeter's Graph Results interface.

Tree View (Left):

- Test Mostrar y editar perfil de administrador
 - Graph Results
 - Aggregate Report
 - Thread Group
 - /
 - /security/login.do
 - /_spring_security_check
 - /
 - /admin/display.do
 - /admin/edit.do
 - HTTP Header Manager
 - Gaussian Random Timer
 - /admin/edit.do
 - /admin/display.do
 - HTTP Cookie Manager
 - WorkBench
 - HTTP Proxy Server

Graph Results Panel (Right):

Name: Graph Results
Comments:

Write results to file / Read from file

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

Graphs to Display: Data Average Median Deviation Throughput

Scatter plot showing response times for each sample. The Y-axis ranges from 0 ms to 56 ms.

Statistics at Bottom:

No of Samples	40	Latest Sample	36	Average	27
Deviation	16	Throughput	944.51/minute	Median	19

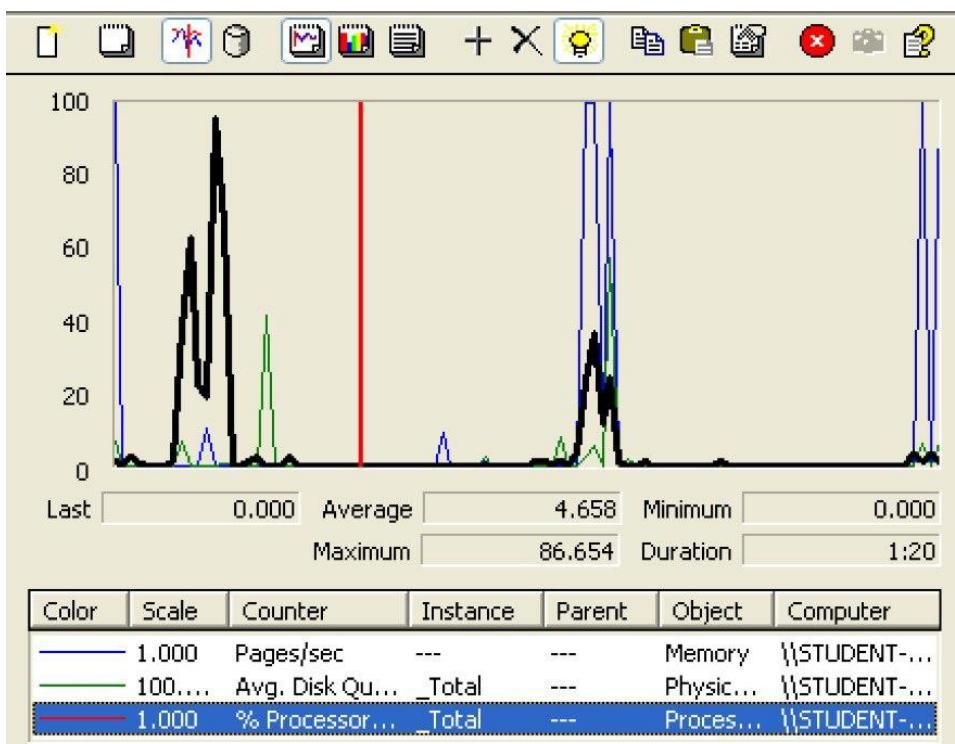
Negativo:

The screenshot shows the JMeter interface with the 'Aggregate Report' selected in the left tree view. The main panel displays an 'Aggregate Report' table with the following data:

Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
/	26	15	14	20	8	26	0.00%	25.5/sec	86.2
/security/lo...	13	16	14	26	9	40	0.00%	13.5/sec	46.8
/j_spring_...	13	27	29	33	19	35	0.00%	13.3/sec	52.5
/admin/dis...	26	17	17	22	11	28	0.00%	9.6/sec	45.0
/admin/edi...	26	33	34	45	17	72	3.85%	20.8/sec	122.1
TOTAL	104	21	18	38	8	72	0.98%	37.7/sec	166.3

Below the table are buttons for 'Include group name in label?', 'Save Table Data', and 'Save Table Header'.

Performance:



No se observan errores 500 en el log. La manera de realizar el editar perfil personal de administrador se está realizando de manera análoga al resto de editar perfiles personales. No se observan problemas en su uso real y en nuestra aplicación solo se utiliza un administrador.

UC14 – Enviar un mensaje (210 usuarios)

Positivo Aggregate:

Screenshot of JMeter Aggregate Report results for 210 users.

Aggregate Report

Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
/	420	877	327	1988	11	13424	0.00%	23.5/sec	81.6
/scripts/jqu...	210	86	27	227	2	746	0.00%	34.0/sec	153.3
/styles/common.css	210	108	15	528	2	733	0.00%	33.5/sec	57.4
/displaytag.css	210	82	25	177	2	762	0.00%	32.7/sec	110.9
/security/login.d...	210	358	296	724	10	1272	0.00%	32.5/sec	112.9
/_spring_securi...	210	2250	1341	5393	47	14165	0.00%	12.0/sec	49.6
/holder/actor/...	420	1259	524	3274	12	11101	0.00%	20.9/sec	100.3
/message/acto...	210	1393	684	3681	23	13194	0.00%	11.5/sec	61.4
/message/...	210	3202	2555	6405	53	12564	0.00%	11.8/sec	58.7
TOTAL	2310	1068	308	3063	2	14165	0.00%	112.1/sec	449.8

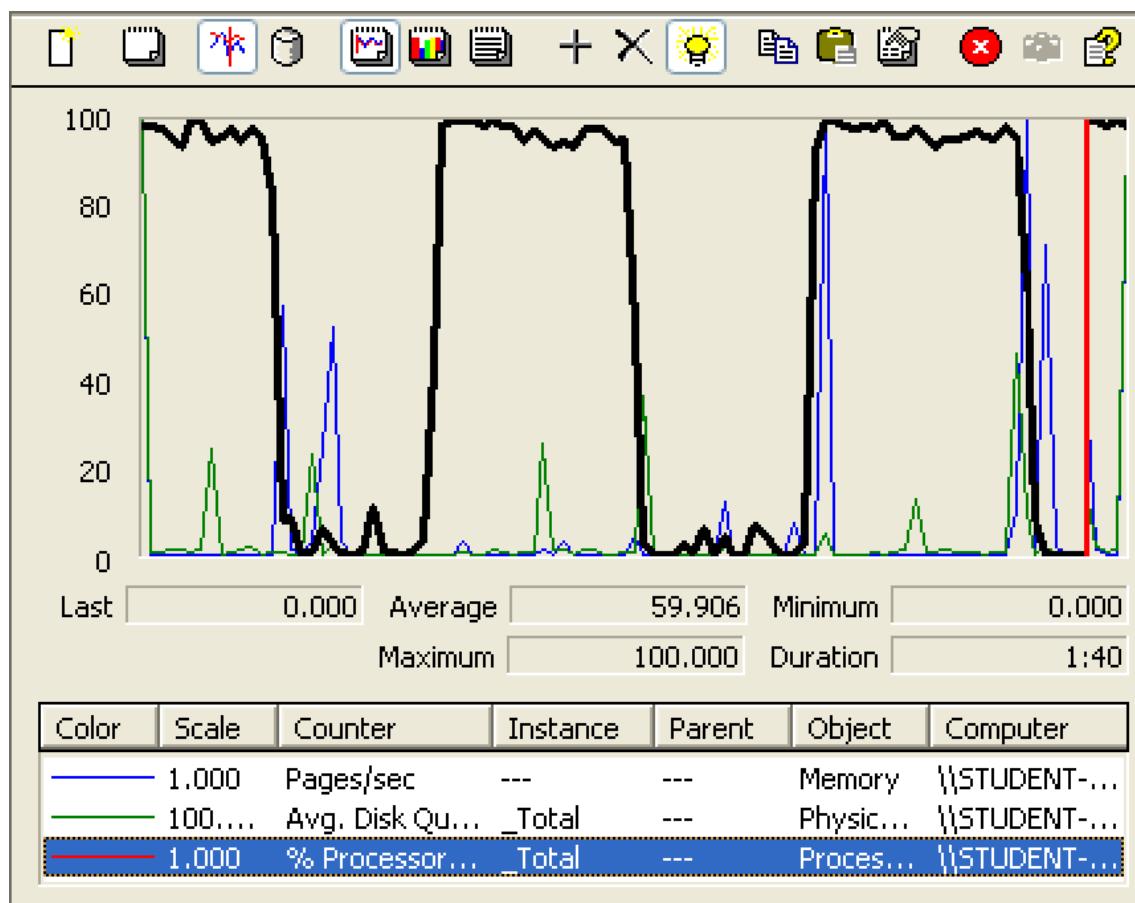
Positivo Graph:



Negativo:

Aggregate Report									
Name: Aggregate Report									
Comments:									
Write results to file / Read from file									
Filename <input type="text"/>				Browse...	Log/Display Only:	<input type="checkbox"/> Errors	<input type="checkbox"/> Successes	<input type="button" value="Configure"/>	
Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
/	460	847	343	2143	10	13017	0.65%	24.6/sec	85.0
/scripts/jqu...	230	128	48	328	2	1202	0.00%	63.1/sec	284.4
/styles/com...	230	154	29	478	1	1247	0.43%	56.8/sec	97.4
/styles/displ...	230	131	19	363	2	1277	0.00%	52.6/sec	178.2
/security/log...	230	542	532	1021	7	1772	0.00%	47.2/sec	163.8
/j_spring_s...	230	2250	1730	4736	2	13792	3.04%	13.5/sec	55.1
/Folder/actor...	460	1261	503	3484	13	12357	0.00%	20.7/sec	98.6
/message/l...	230	1772	702	5354	21	10977	0.00%	11.2/sec	59.2
/message/f...	230	3240	2470	6760	13	14738	0.00%	11.4/sec	56.2
TOTAL	2530	1130	363	3246	1	14738	0.43%	112.7/sec	449.2

Performance:



Causa: Cuello de botella con el procesador y el disco duro.

UC15 – Crear un anuncio como patrocinador (250 usuarios)

Positivo Aggregate:

Screenshot of JMeter Aggregate Report results:

Aggregate Report

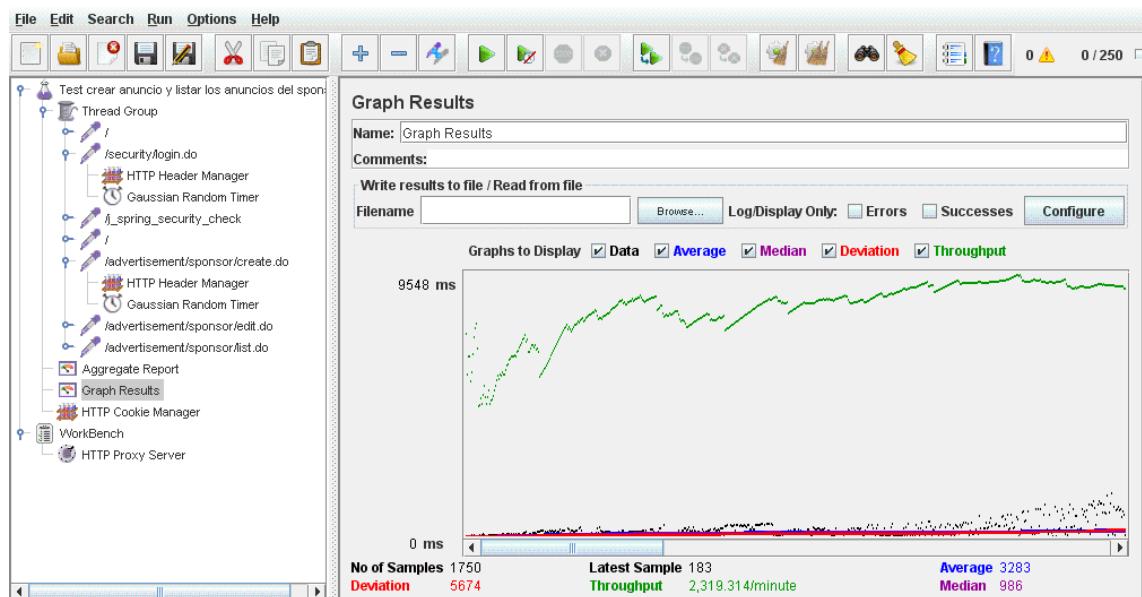
Name: Aggregate Report
Comments:

Write results to file / Read from file

Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
/	500	1535	221	4091	7	34713	0.00%	11.7/sec	40.4
/security/lo...	250	712	501	1473	6	2133	0.00%	75.2/sec	261.0
/j_spring_...	250	4391	1031	13202	42	37829	0.00%	6.1/sec	25.2
/advertisement/sponsor/create.do	250	4604	1659	14672	19	28485	0.00%	6.1/sec	42.3
/advertisement/sponsor/edit.do	250	6521	3729	15273	570	32100	0.00%	6.0/sec	64.7
/advertisement/sponsor/list.do	250	3688	1548	11080	183	28258	0.00%	6.3/sec	246.4
TOTAL	1750	3283	986	9897	6	37829	0.00%	38.7/sec	394.9

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

Positivo Graph:

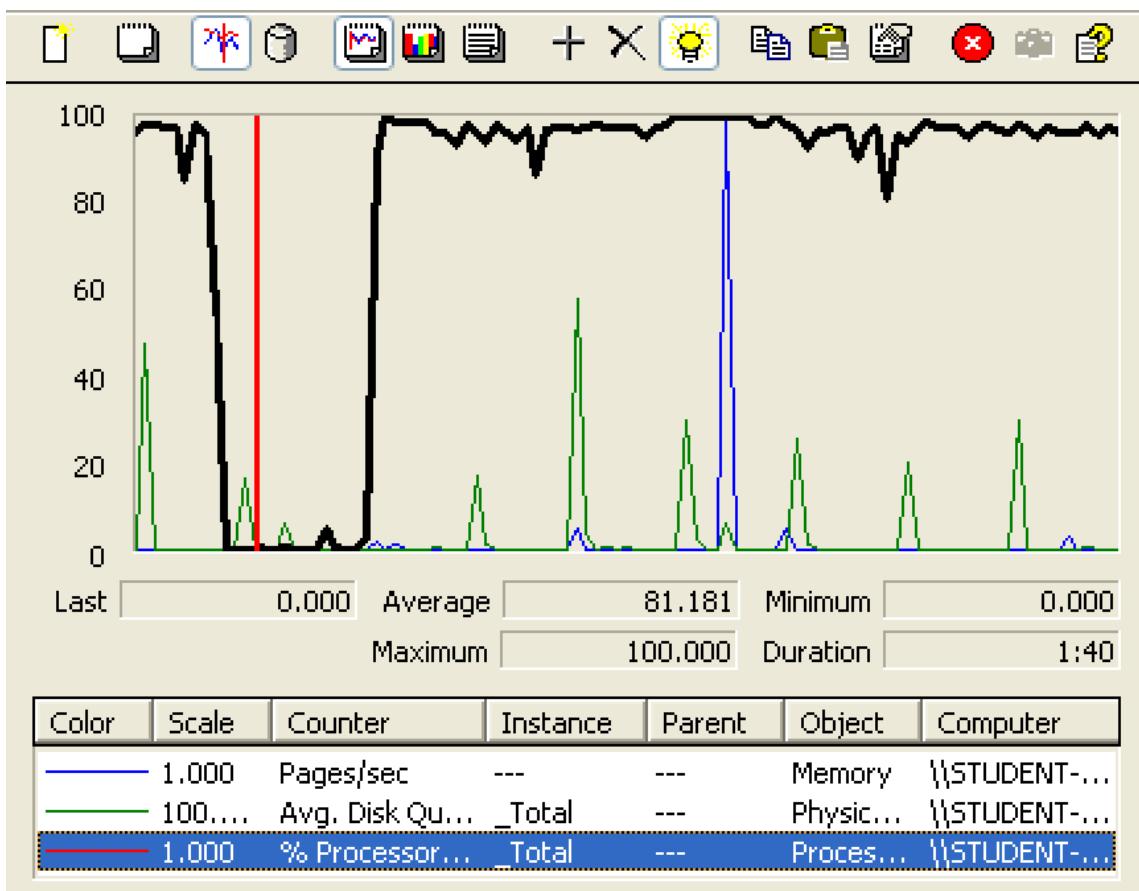


Negativo:

The screenshot shows the JMeter interface with the 'Aggregate Report' selected in the left tree view. The main panel displays an 'Aggregate Report' configuration window. The 'Name' field is set to 'Aggregate Report'. Below it is a table of performance metrics for various requests, including Average, Median, 90% Line, Min, Max, Error %, Throughput, and KB/sec. The table includes a 'TOTAL' row. At the bottom of the report window are buttons for 'Include group name in label?', 'Save Table Data', and 'Save Table Header'.

Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
/	560	1438	127	2828	7	46719	7.68%	10.3/sec	33.8
/security/login.do	280	724	568	1769	7	2675	2.50%	59.6/sec	204.6
HTTP Header Manager									
Gaussian Random Timer									
/j_spring_security_check	280	4368	442	13982	26	49615	17.50%	5.3/sec	20.1
/	280	3871	1142	11749	21	43418	11.79%	5.3/sec	30.4
/advertisement/sponsor/create.do	280	6409	3598	15015	43	50661	13.57%	5.2/sec	56.1
HTTP Header Manager									
Gaussian Random Timer									
/advertisement/sponsor/edit.do	280	4676	1582	12634	3	45408	8.21%	5.2/sec	281.9
/advertisement/sponsor/list.do									
Aggregate Report									
Graph Results									
HTTP Cookie Manager									
WorkBench									
HTTP Proxy Server									

Performance:



Causa: Cuello de botella con el procesado.

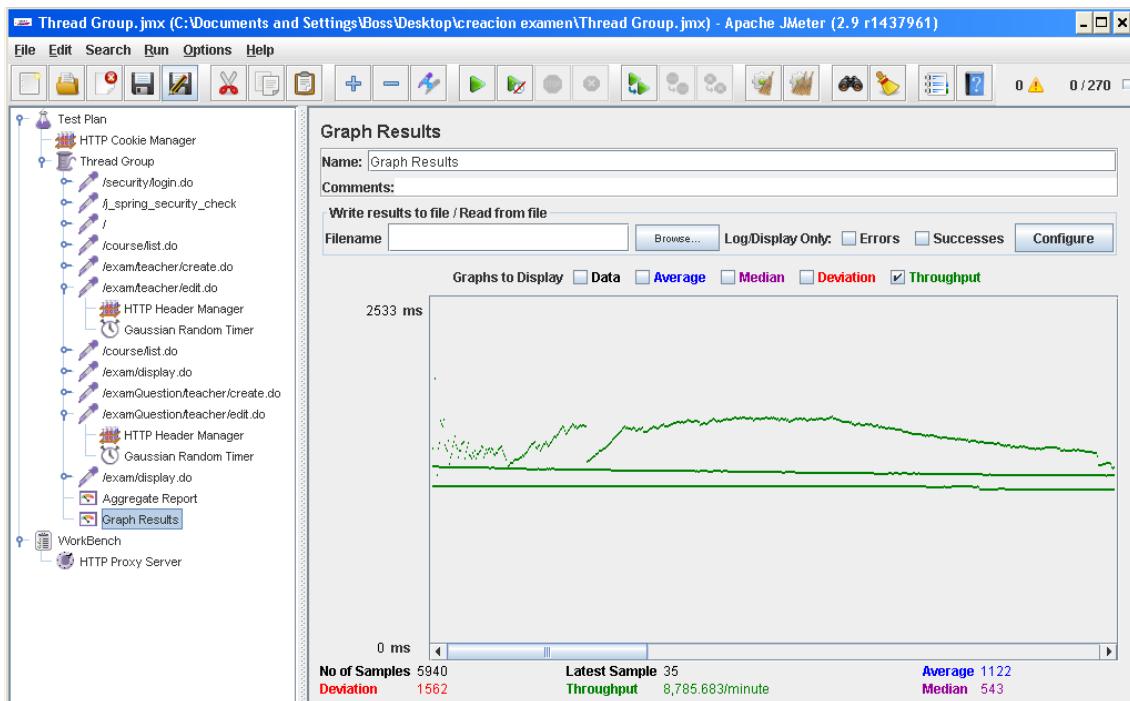
UC16 (1) - Crear un examen como profesor (270 usuarios)

Positivo Aggregate:

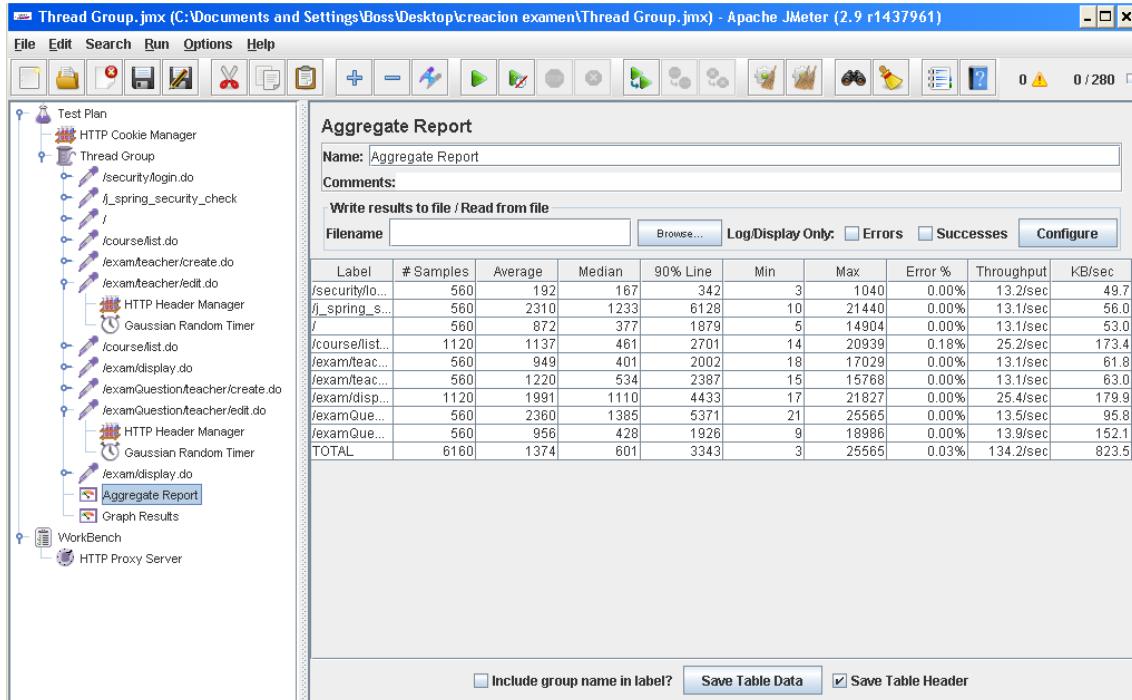
The screenshot shows the Apache JMeter interface with the 'Aggregate Report' tab selected. The left sidebar displays the test plan structure, including a Thread Group containing various HTTP requests and timers. The main panel shows the 'Aggregate Report' results for 5940 samples. The table includes columns for Label, # Samples, Average, Median, 90% Line, Min, Max, Error %, Throughput, and KB/sec. Key data points include an average response time of 1122 ms, a median of 543 ms, and a throughput of 146.4/sec.

Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
/security/login.do	540	90	81	180	3	1088	0.00%	16.1/sec	60.6
/l_spring_security_check	540	1842	1136	4544	15	11154	0.00%	14.9/sec	63.8
/	540	848	432	2097	7	9984	0.00%	14.7/sec	59.7
/course/list.do	1080	894	435	2207	13	11490	0.00%	27.7/sec	188.8
/examTeacher/create.do	540	908	407	2253	10	11294	0.00%	14.4/sec	68.4
/examTeacher/edit.do	540	878	414	2092	13	9842	0.00%	14.4/sec	69.3
/exam/display.do	1080	1727	1108	4048	17	16872	0.00%	27.7/sec	195.8
/examQuestionTeacher/create.do	540	1737	1216	3913	24	10996	0.00%	14.4/sec	101.9
/examQuestionTeacher/edit.do	540	799	364	2180	9	9770	0.00%	14.4/sec	157.5
TOTAL	5940	1122	543	2840	3	16872	0.00%	146.4/sec	897.1

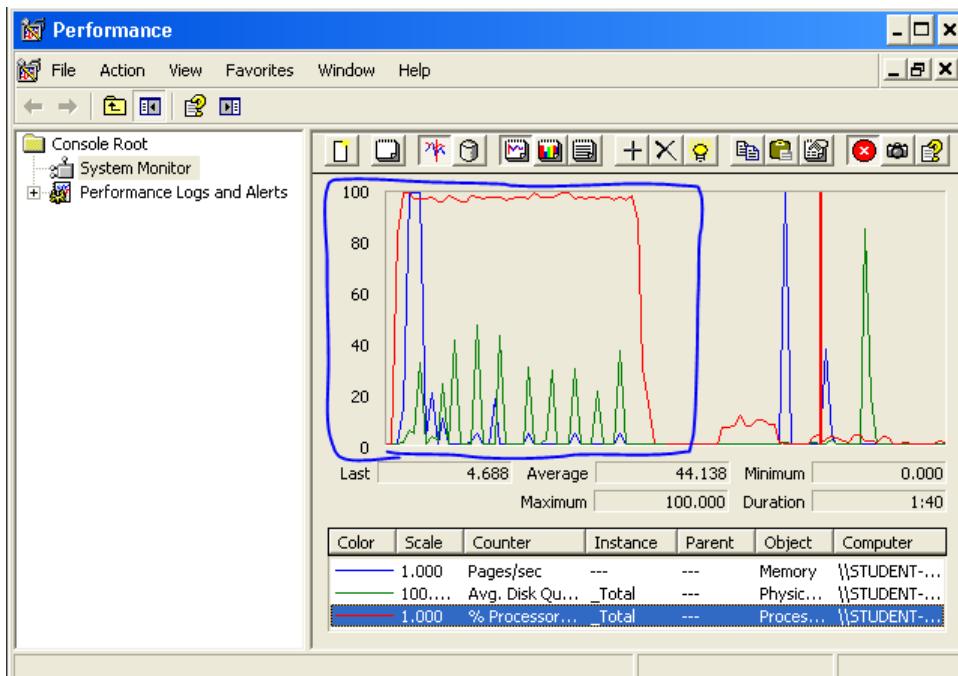
Positivo Graph:



Negativo:



Performance:



Causa: Cuello de botella con el procesador y la memoria ram.

UC16(2)-Realización de examen como student (225 usuarios)

Positivo Aggregate:

Apache JMeter (2.9 r1437961)

File Edit Search Run Options Help

Test Plan

- HTTP Cookie Manager
- Aggregate Report
- Graph Results
- Thread Group
 - /course/display.do
 - /examPaper/student/create.do
 - /examPaper/display.do
 - /examAnswer/student/create.do
 - /examAnswer/student/edit.do
 - HTTP Header Manager
 - Gaussian Random Timer
 - /examPaper/display.do
 - /plug-ins/1.10.16/18nEnglish.json
 - /examPaper/student/finish.do
 - /course/list.do
- WorkBench
- HTTP Proxy Server

Aggregate Report

Name: Aggregate Report

Comments:

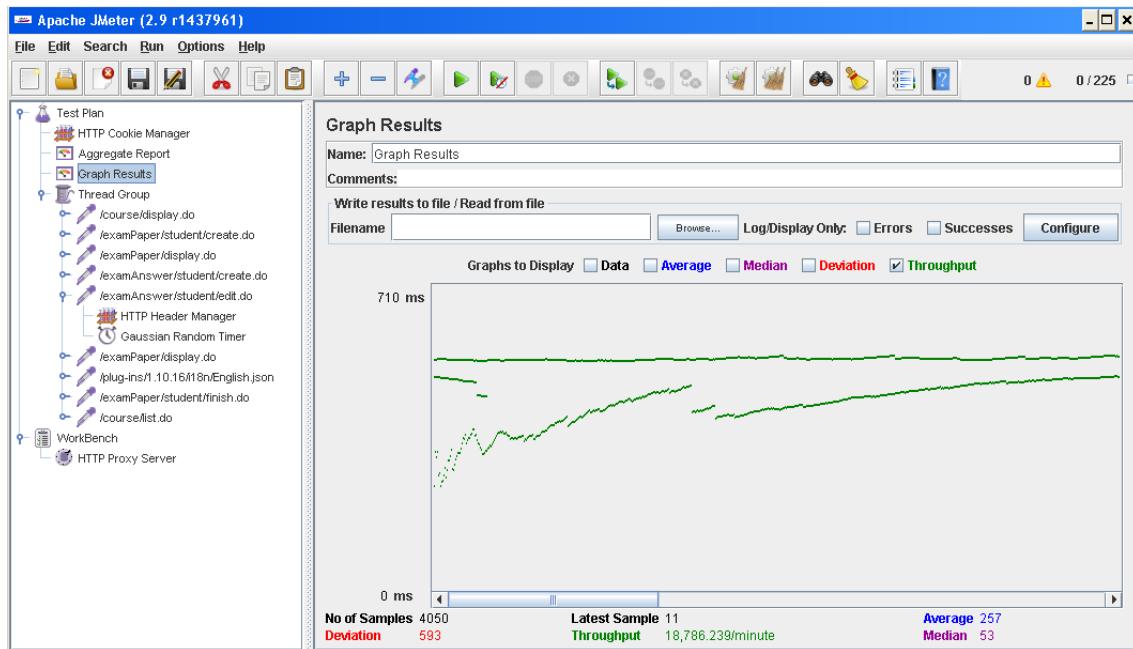
Write results to file / Read from file

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

Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
/course/dis...	450	101	51	246	5	897	0.00%	40.1/sec	159.2
/examPape...	450	72	27	176	4	581	0.00%	40.1/sec	154.4
/examPape...	900	616	191	1702	7	6414	0.00%	69.9/sec	274.3
/examAns...	450	63	26	154	6	664	0.00%	40.1/sec	154.4
/examAns...	450	75	33	213	5	499	0.00%	40.1/sec	154.5
/plug-ins/...	450	51	43	79	22	387	0.00%	40.2/sec	43.2
/examPape...	450	57	29	129	4	606	0.00%	40.5/sec	158.0
/course/list...	450	663	296	1688	9	7102	0.00%	40.5/sec	200.8
TOTAL	4050	257	53	698	4	7102	0.00%	313.1/sec	1156.7

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

Positivo Graph:



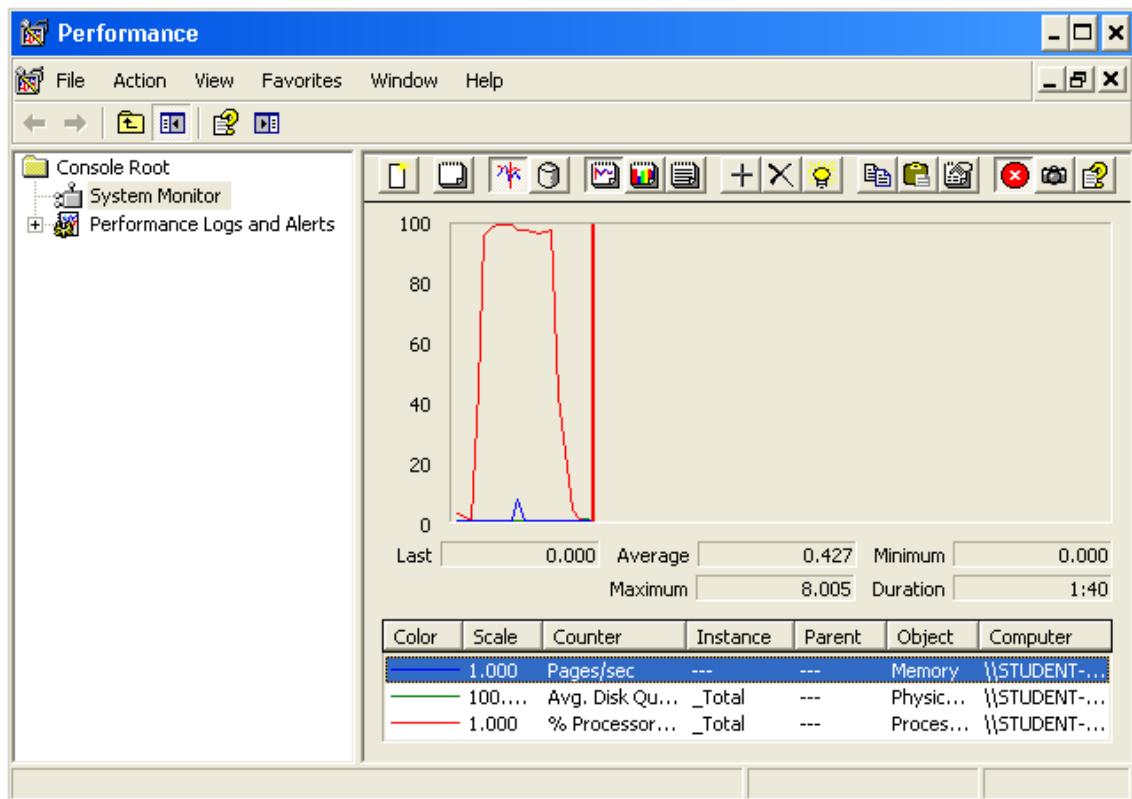
Negativo:

The screenshot shows the Apache JMeter interface. On the left, the 'Test Plan' tree view includes nodes for 'HTTP Cookie Manager', 'Aggregate Report' (selected), 'Graph Results', 'Thread Group', and 'WorkBench'. The 'Thread Group' node contains several samplers: '/course/display.do', '/examPaper/student/create.do', '/examPaper/display.do', '/examAnswer/student/create.do', '/examAnswer/student/edit.do', 'HTTP Header Manager', 'Gaussian Random Timer', '/examPaper/display.do', '/plug-ins/1.16/18nEnglish.json', '/examPaper/student/finish.do', and '/course/list.do'. The right pane is titled 'Aggregate Report' and contains a table with the following data:

Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
/course/dis...	500	111	23	459	1	1018	0.00%	38.1/sec	150.9
/examPape...	500	43	22	105	5	531	0.00%	38.1/sec	146.5
/examPape...	1000	445	175	1250	9	4605	0.00%	68.4/sec	268.1
/examAnswe...	500	42	18	68	3	788	0.00%	38.1/sec	146.6
/examAnswe...	500	39	24	77	5	675	0.00%	38.2/sec	146.7
/plug-ins/1...	500	75	43	161	20	720	0.00%	38.1/sec	40.9
/examPape...	500	58	24	88	5	990	0.20%	38.3/sec	147.1
/course/list...	500	520	280	1332	5	3943	0.20%	38.3/sec	189.7
TOTAL	4500	198	35	576	1	4605	0.04%	306.1/sec	1129.5

At the bottom of the right pane, there are checkboxes for 'Include group name in label?' and 'Save Table Data' (unchecked) and 'Save Table Header' (checked).

Performance:



Causa: Cuello de botella con la CPU

UC17(1)-Corregir examen como profesor (200 usuarios)

Positivo Aggregate:

Apache JMeter (2.9 r1437961)

File Edit Search Run Options Help

Test Plan

- HTTP Cookie Manager
- Aggregate Report
- Graph Results
- Thread Group
 - /security/login.do
 - HTTP Header Manager
 - Gaussian Random Timer
 - /j_spring_security_check
 - /
 - /examPaper/teacher/list.do
 - /examPaper/display.do
 - /examAnswer/teacher/evaluate.do
 - /examAnswer/teacher/edit.do
 - HTTP Header Manager
 - Gaussian Random Timer
 - /examAnswer/teacher/edit.do
 - /examAnswer/display.do
 - /examPaper/display.do
- WorkBench
- HTTP Proxy Server

Aggregate Report

Name: Aggregate Report

Comments:

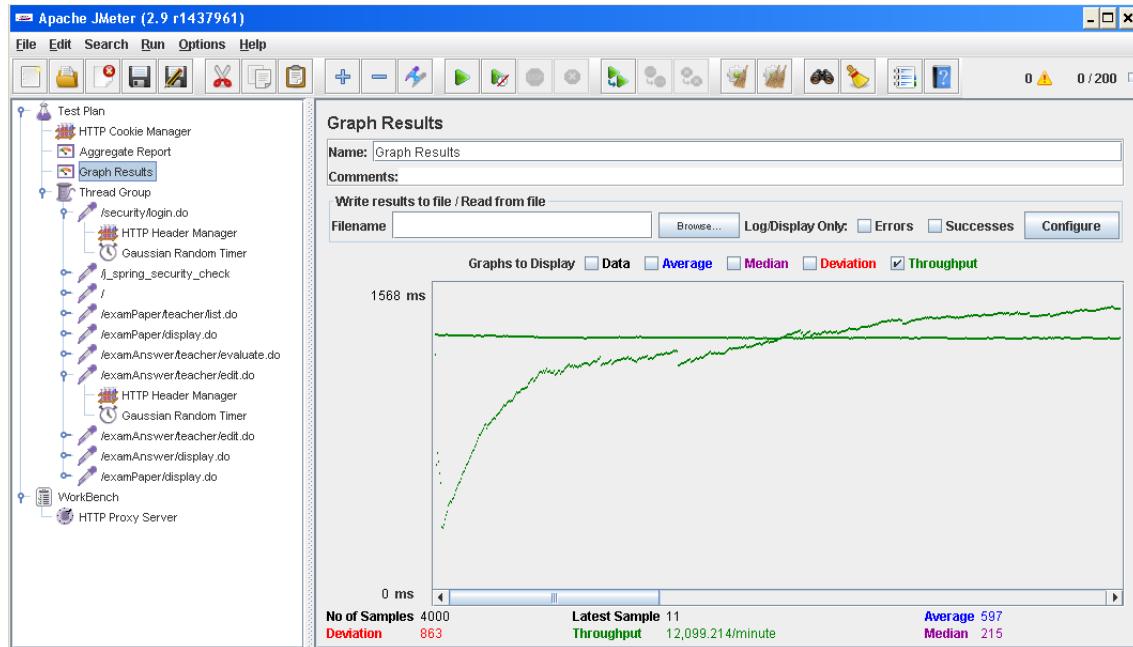
Write results to file / Read from file

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

Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
/security/lo...	400	53	19	181	2	304	0.00%	20.7/sec	77.9
/j_spring_s...	400	1140	701	2850	10	6114	0.00%	20.6/sec	87.9
/	400	654	272	1802	4	7654	0.00%	20.7/sec	83.5
/examPape...	400	630	274	1778	7	4663	0.00%	20.6/sec	94.5
/examPape...	800	547	219	1417	10	5268	0.00%	40.4/sec	200.7
/examAns...	400	599	288	1458	11	7594	0.00%	20.6/sec	89.9
/examAns...	800	600	290	1533	9	4880	0.00%	40.6/sec	198.2
/examAns...	400	594	246	1573	10	5013	0.00%	20.3/sec	88.6
TOTAL	4000	597	215	1653	2	7654	0.00%	201.7/sec	908.4

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

Positivo Graph:

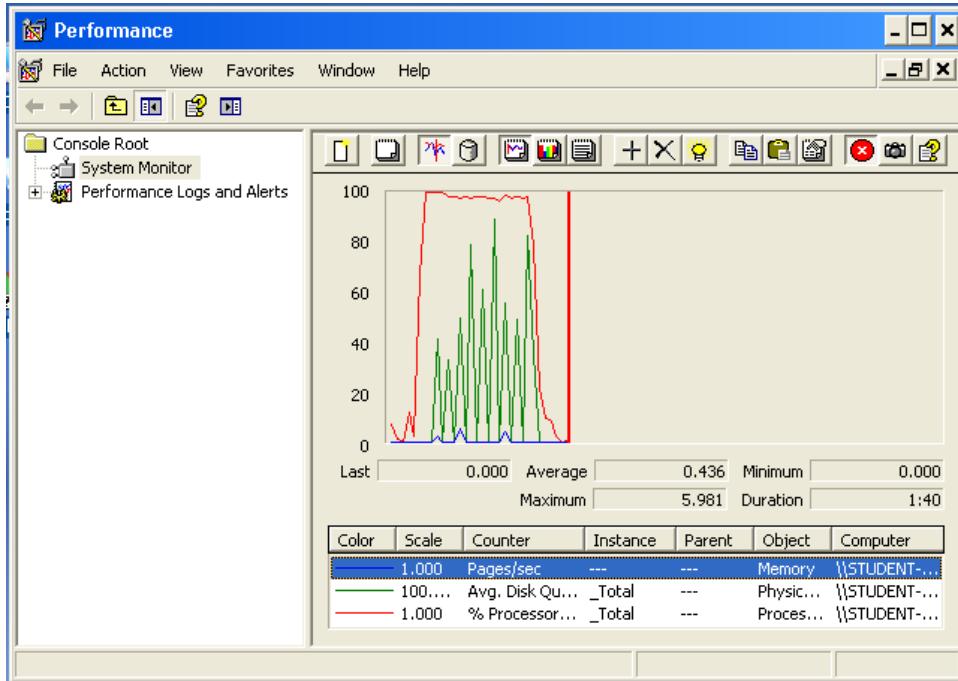


Negativo:

The screenshot shows the Apache JMeter interface. On the left, the 'Test Plan' tree view includes nodes for 'HTTP Cookie Manager', 'Aggregate Report' (selected), 'Graph Results', 'Thread Group' (containing 'security/login.do', 'j_spring_security_check', 'examPaper/teacher/list.do', 'examPaper/display.do', 'examAnswer/teacher/evaluate.do', 'examAnswer/teacher/edit.do', 'examAnswer/edit.do', 'examAnswer/display.do'), and 'WorkBench'. On the right, the 'Aggregate Report' panel displays performance metrics. The 'Write results to file / Read from file' section has 'Filename' set to 'Aggregate Report'. The 'Log/Display Only' checkbox is checked. The report table shows data for various requests, with a 'TOTAL' row at the bottom.

Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
/security/lo...	450	77	15	126	2	1719	2.44%	20.3/sec	75.8
j_spring_se...	450	1195	901	2669	8	7473	3.11%	20.3/sec	85.4
/	450	665	311	1732	4	6074	3.56%	20.3/sec	80.3
/examPape...	450	653	337	1655	8	5824	5.11%	20.3/sec	89.9
/examPape...	900	660	304	1714	10	10143	3.22%	39.9/sec	188.6
/examAnswe...	450	707	314	1709	11	7735	3.56%	20.3/sec	86.4
/examAnswe...	900	693	292	1877	8	7204	3.22%	39.3/sec	187.4
/examAnswe...	450	598	260	1569	8	10249	0.89%	19.8/sec	85.3
TOTAL	4500	660	260	1813	2	10249	3.16%	194.2/sec	857.0

Performance:



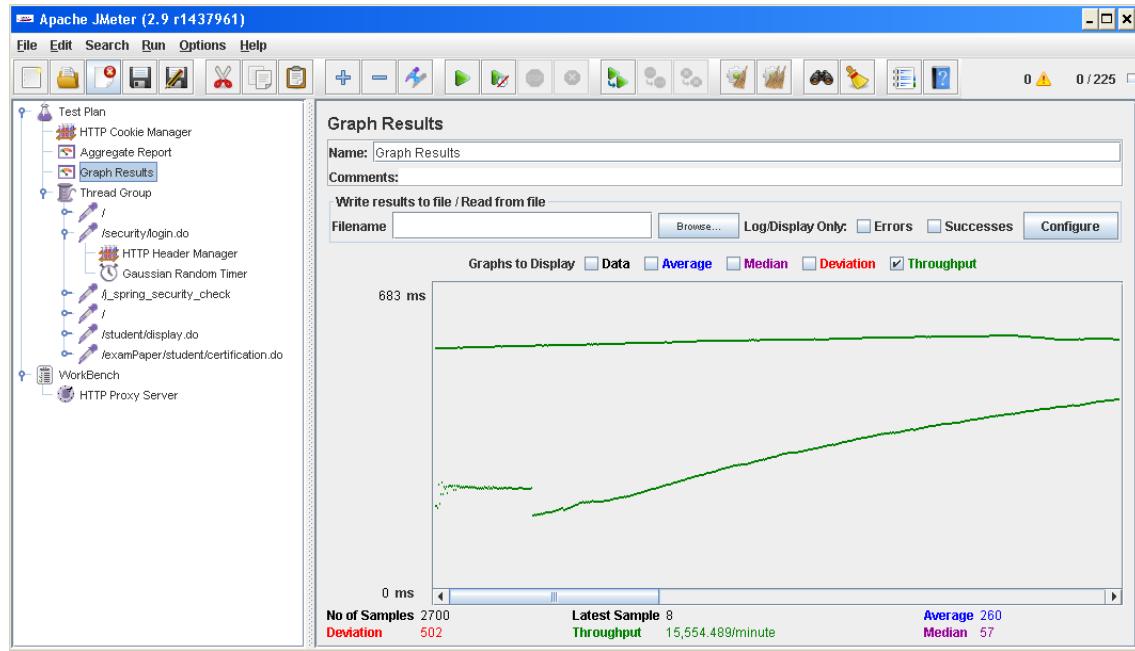
Causa: Cuello de botella con el procesador.

UC17 (2) - Obtener certificado como alumno (225 usuarios)

Positivo Aggregate:

Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
/	900	215	32	627	2	3672	0.00%	86.6/sec	314.6
/security/login.do	450	16	9	26	2	210	0.00%	51.8/sec	191.3
/j_spring_security_check	450	577	285	1583	6	4926	0.00%	51.7/sec	219.7
/student/display.do	450	281	90	662	8	3952	0.00%	51.7/sec	278.5
/examPaper/student/certification.do	450	258	101	676	8	3795	0.00%	51.8/sec	258.1
TOTAL	2700	260	57	718	2	4926	0.00%	259.2/sec	1105.1

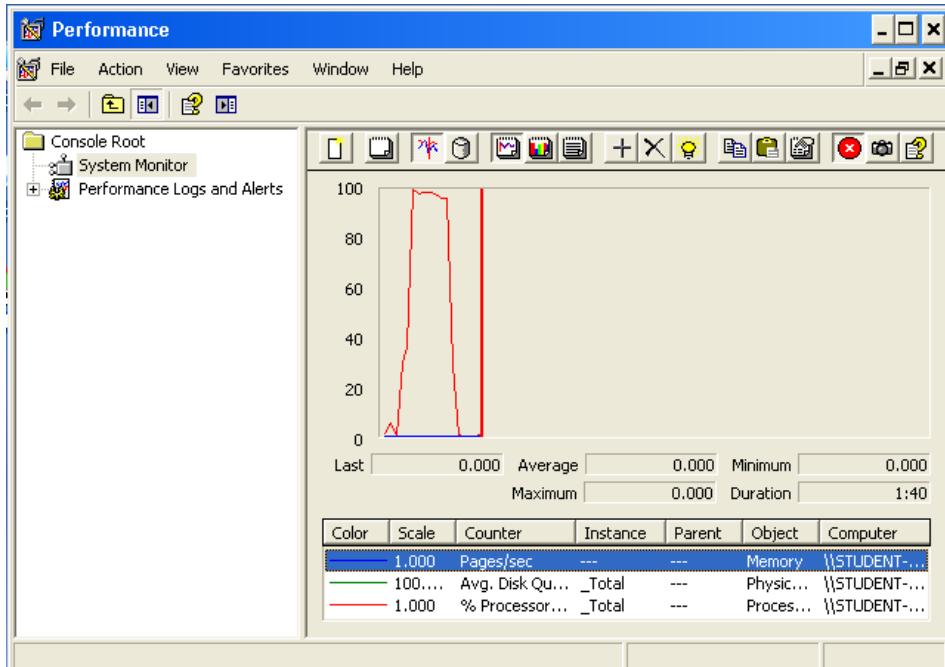
Positivo Graph:



Negativo:

Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
/	1000	236	73	815	2	2216	7.30%	99.3/sec	346.7
/security/lo...	500	53	12	174	3	847	3.40%	58.0/sec	210.9
/j_spring_secur...	500	512	321	1275	7	2908	8.20%	57.0/sec	236.7
/student/disp...	500	259	112	769	8	2085	8.80%	57.7/sec	289.8
/examPape...	500	260	119	719	8	1995	8.20%	57.7/sec	269.8
TOTAL	3000	259	100	815	2	2908	7.20%	296.9/sec	1207.6

Performance:



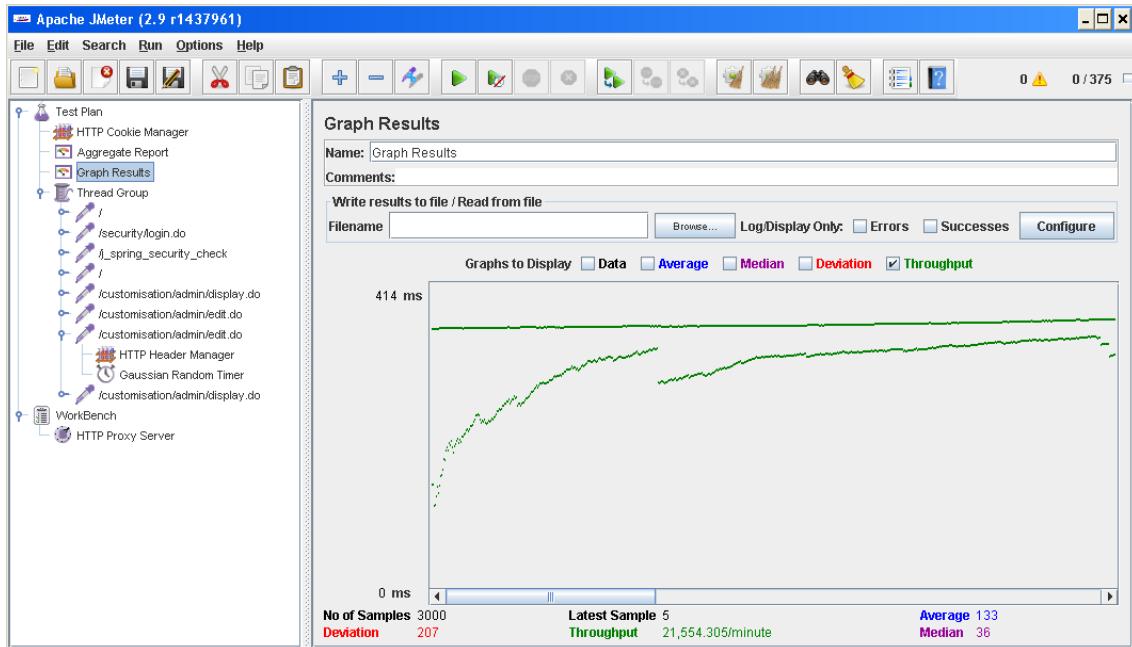
Causa: Cuello de botella con el procesador.

UC18-Mostrar y editar personalización (375 usuarios)

Positivo Aggregate:

Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
/	750	141	50	398	3	2006	0.00%	121.3/sec	435.2
/security/lo...	375	27	10	75	3	205	0.00%	64.3/sec	237.7
/j_spring_s...	375	288	203	694	10	1626	0.00%	61.5/sec	256.4
/customisat...	750	107	25	314	2	1067	0.00%	90.5/sec	416.1
/customisat...	750	126	39	357	4	1452	0.00%	90.7/sec	497.9
TOTAL	3000	133	36	390	2	2006	0.00%	359.2/sec	1581.4

Positivo Graph:

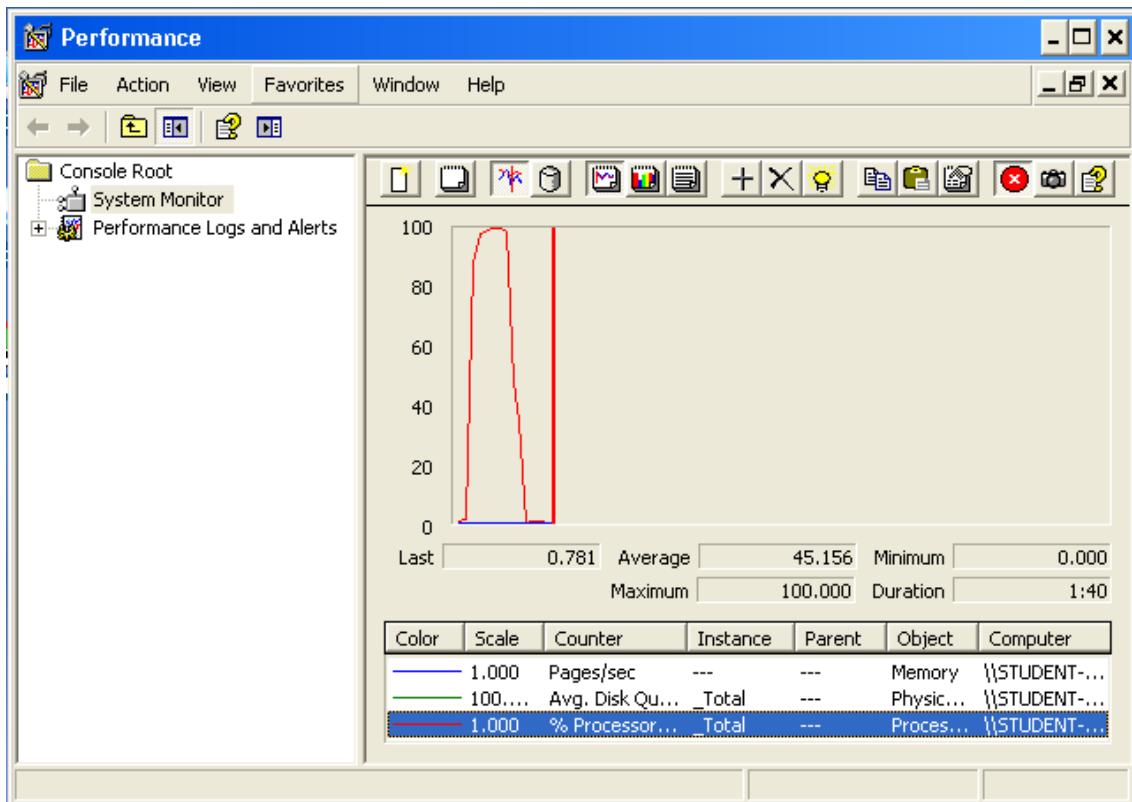


Negativo:

The screenshot shows the Apache JMeter interface. On the left, the Test Plan tree view displays a structure with 'HTTP Cookie Manager', 'Aggregate Report' (selected), 'Graph Results', 'Thread Group' containing several requests like '/security/login.do', and 'WorkBench'. The main panel shows the 'Aggregate Report' results for a test named 'Aggregate Report'. The report includes fields for 'Name' (Aggregate Report), 'Comments', 'Filename' (Browse...), and 'Log/Display Only' checkboxes for 'Errors', 'Successes', and 'Configure'. Below these are tables for 'Label', '# Samples', 'Average', 'Median', '90% Line', 'Min', 'Max', 'Error %', 'Throughput', and 'KB/sec'. The data table contains rows for various URLs and a 'TOTAL' row. At the bottom, there are checkboxes for 'Include group name in label?' and 'Save Table Data' (unchecked) and 'Save Table Header' (checked).

Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
/	800	150	32	478	3	1509	3.00%	136.3/sec	480.0
/security/lo...	400	73	8	198	3	1303	3.75%	70.1/sec	254.2
/j_spring_s...	400	268	146	759	8	1743	6.25%	68.9/sec	278.6
/customisat...	800	102	25	313	3	1055	4.12%	105.9/sec	471.7
/customisat...	800	102	33	268	3	1540	3.50%	106.4/sec	563.2
TOTAL	3200	131	30	443	3	1743	3.91%	418.7/sec	1790.4

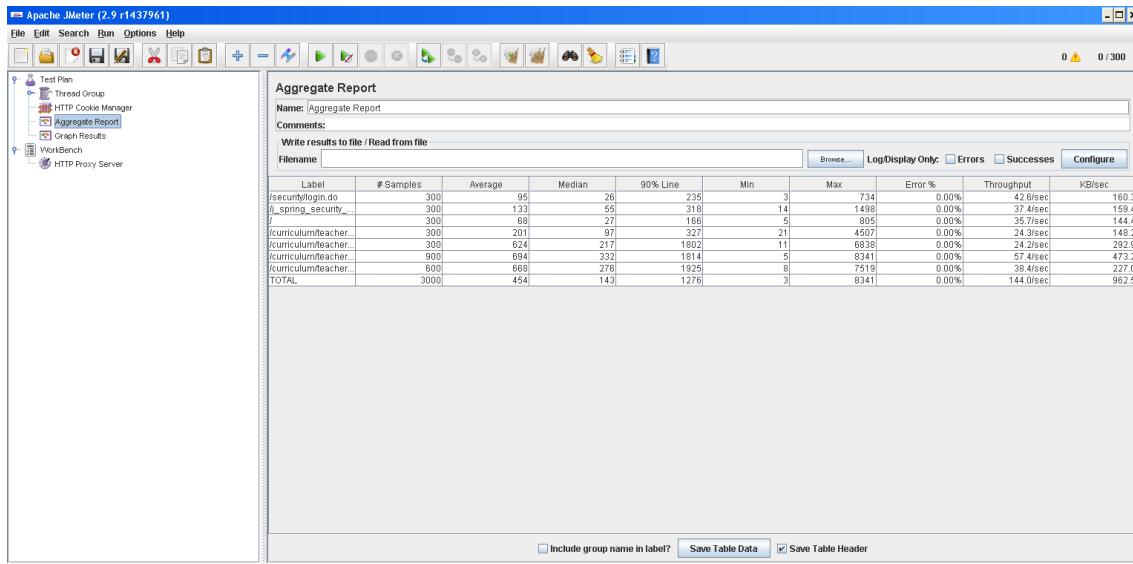
Performance:



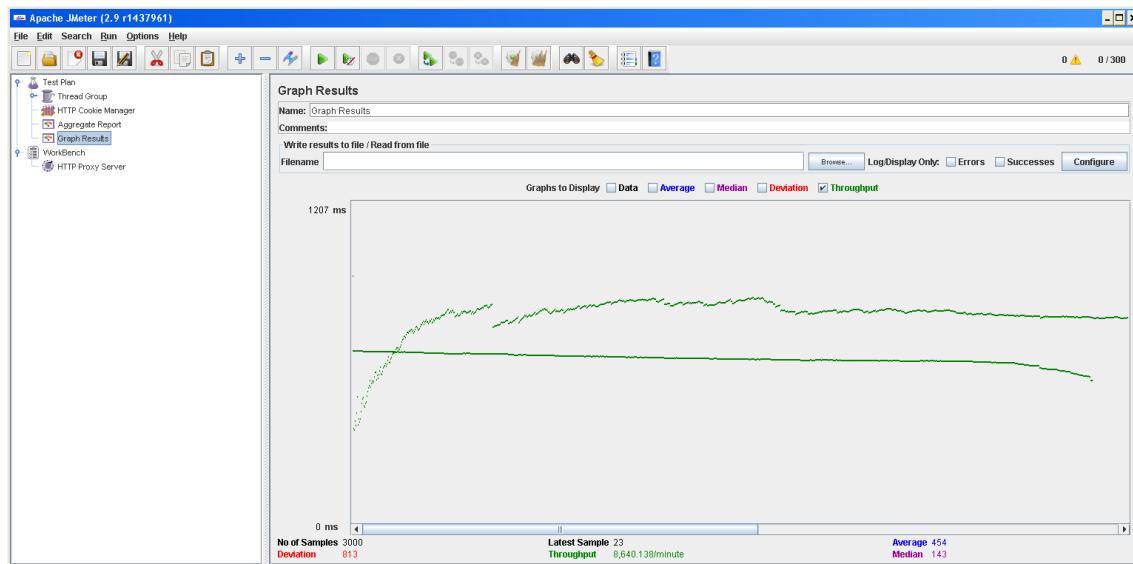
Causa: Cuello de botella con el procesador

UC19-Crear y editar un curriculum (300 usuarios)

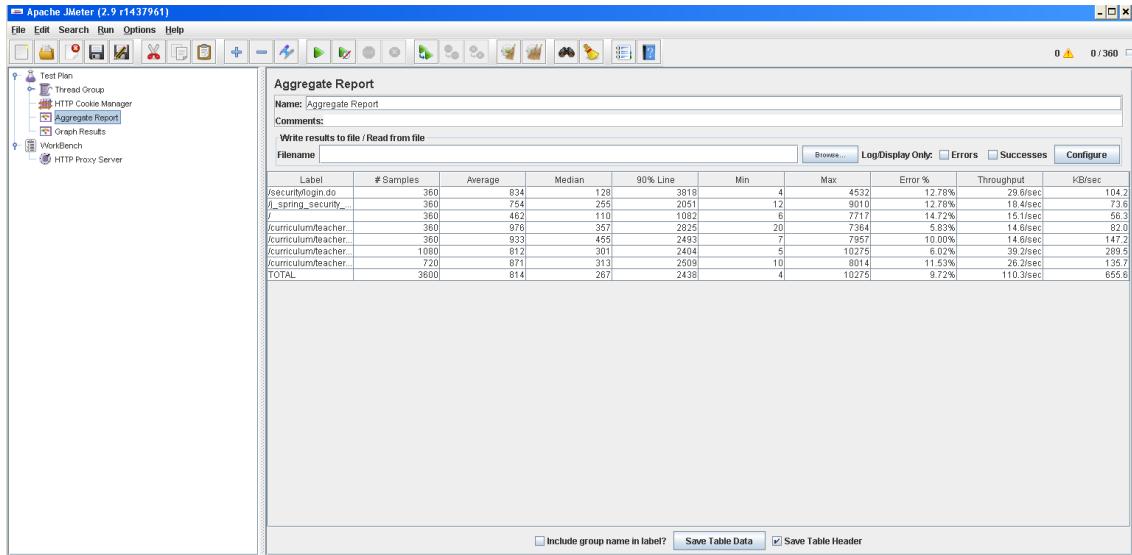
Positivo Aggregate:



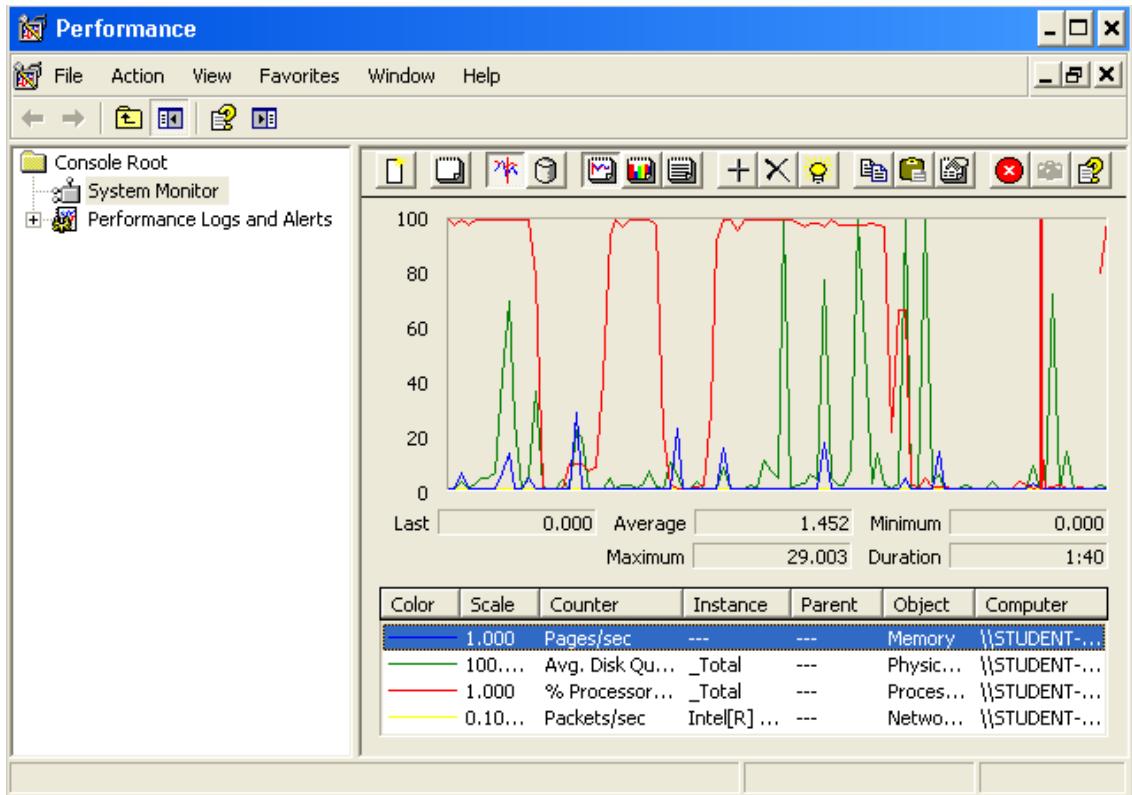
Positivo Graph:



Negativo:



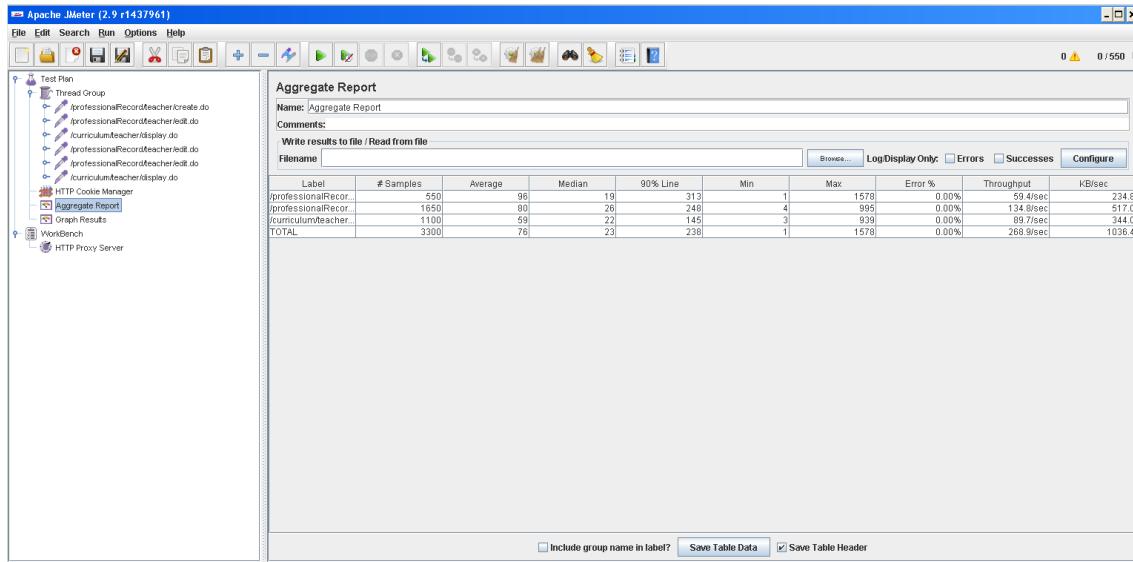
Performance:



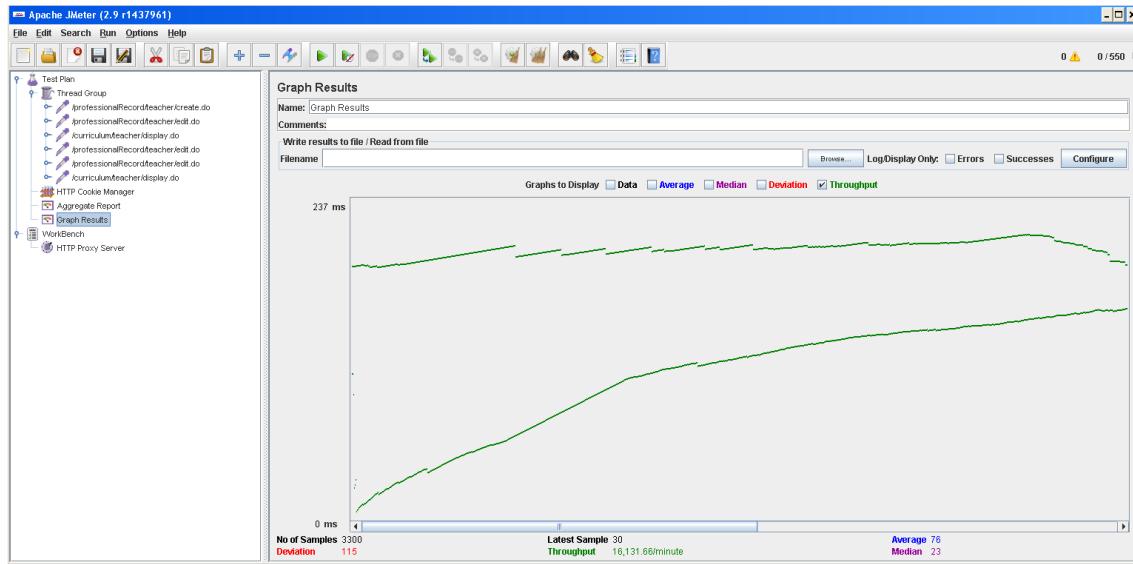
Causa: Cuello de botella con el procesador y el disco duro.

UC20-Crear y editar un registro profesional (550 usuarios)

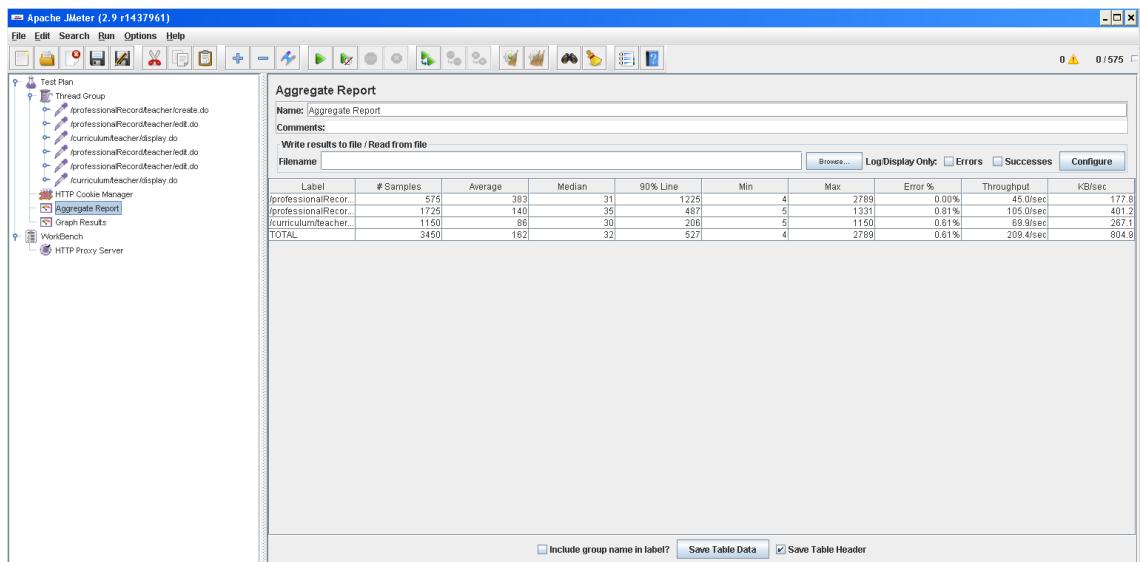
Positivo Aggregate:



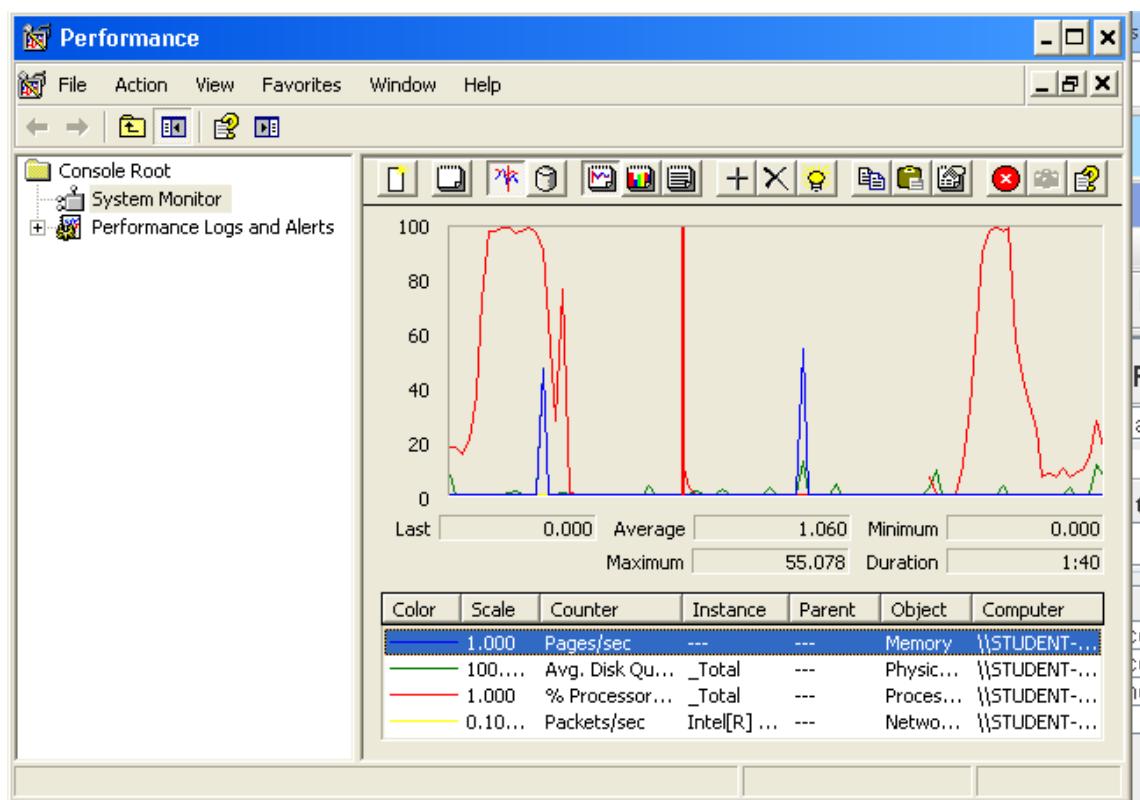
Positivo Graph:



Negativo:



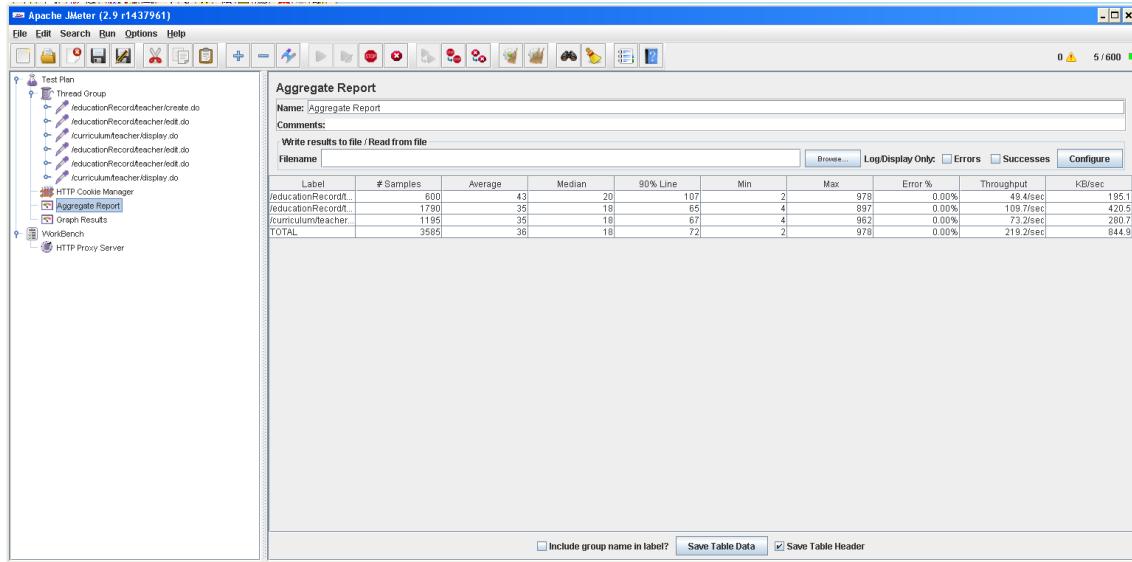
Performance:



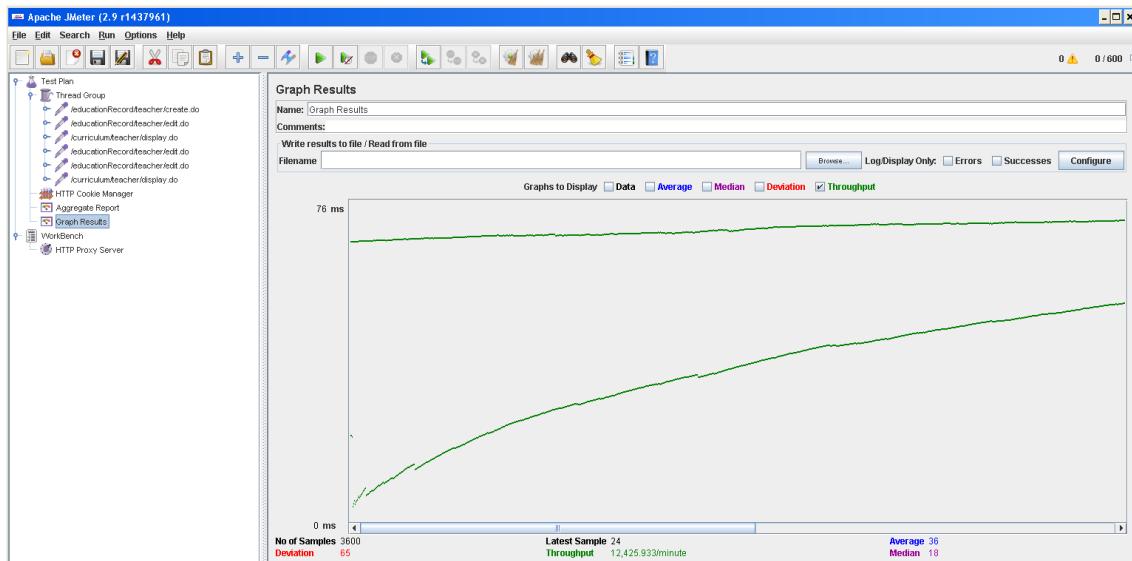
Causa: Cuello de botella por el procesador.

UC21 - Crear y editar un registro académico (600 usuarios)

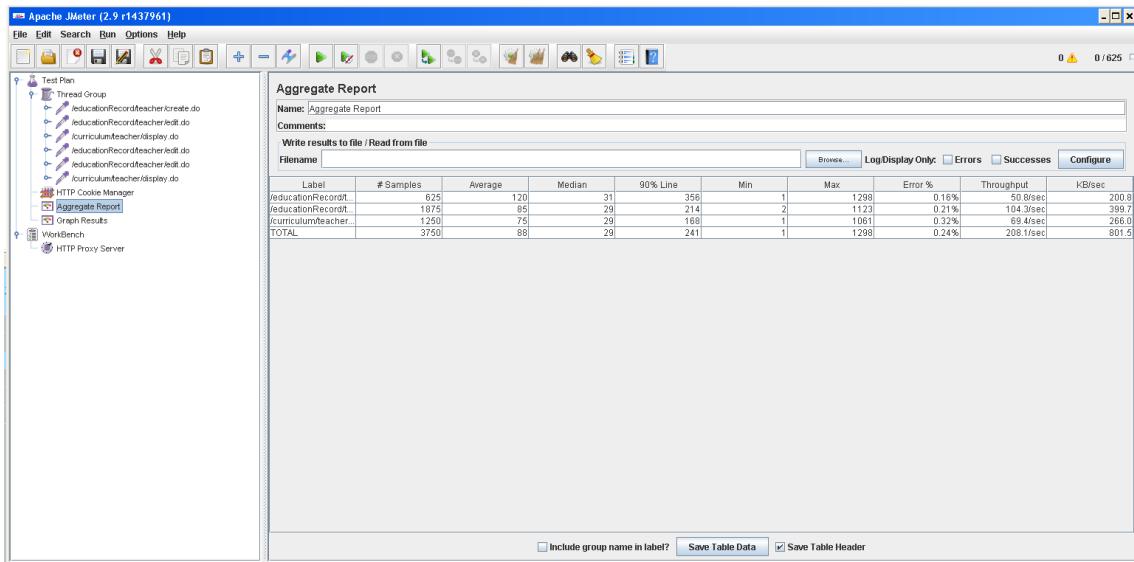
Positivo Aggregate:



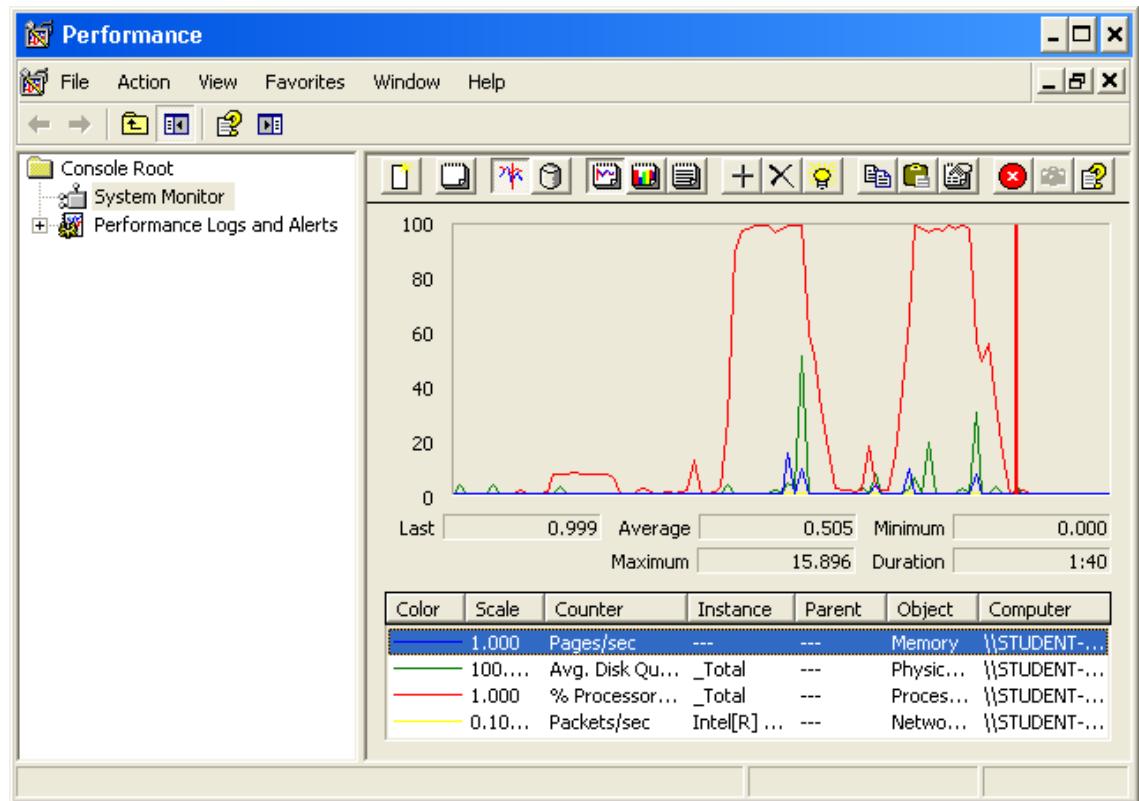
Positivo Graph:



Negativo:



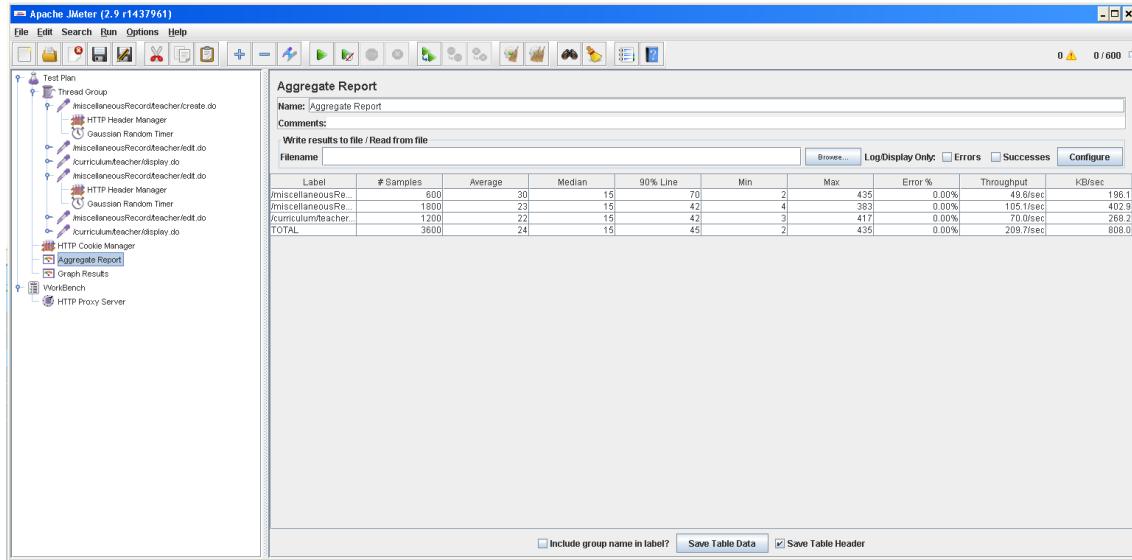
Performance:



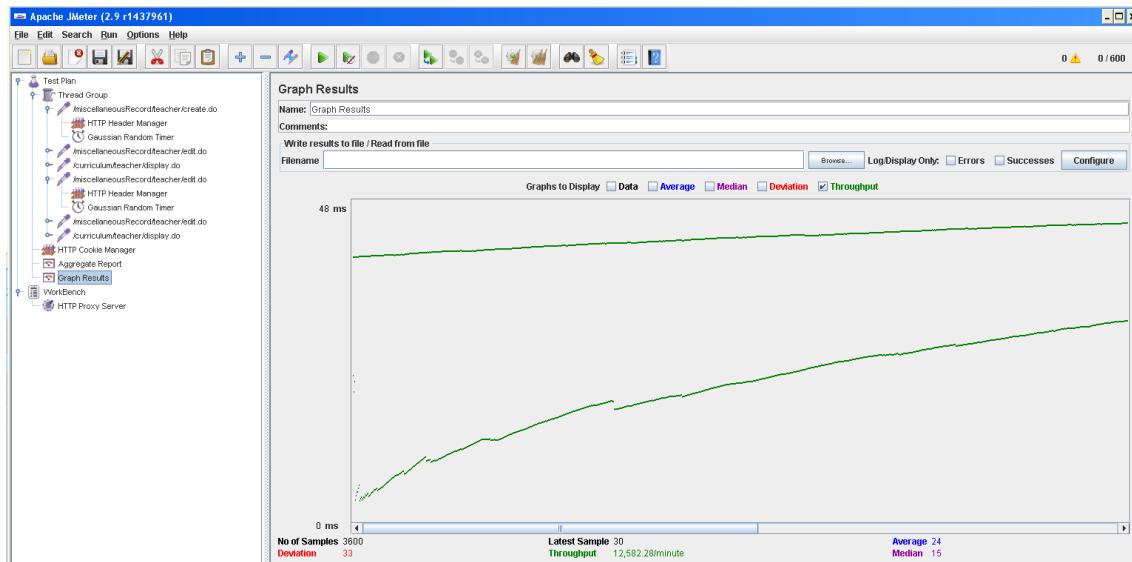
Causa: Cuello de botella por el procesador.

UC22-Crear y editar un registro miscelánea (600 usuarios)

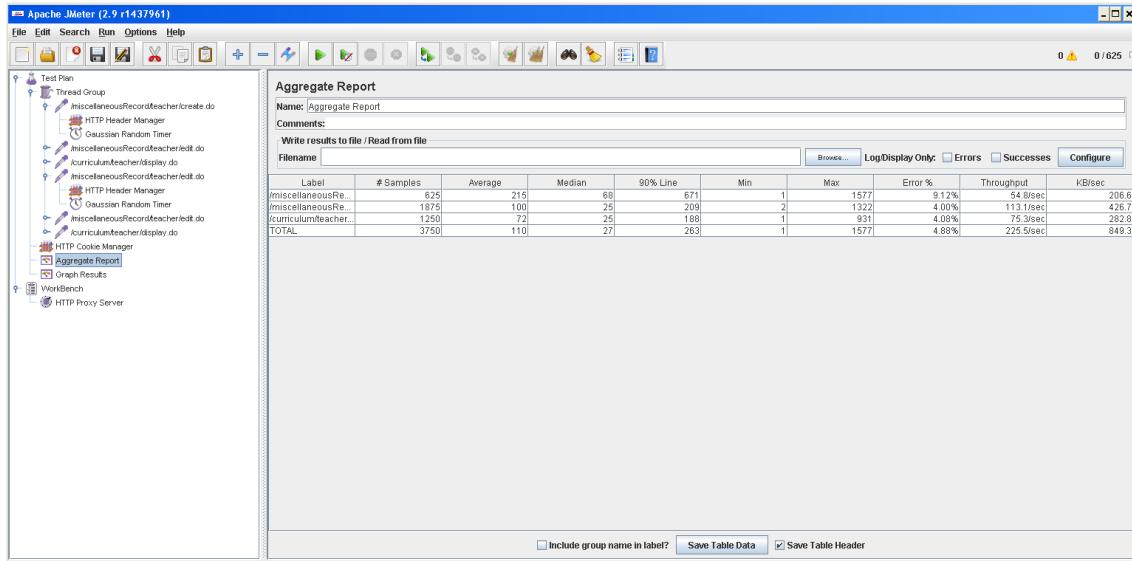
Positivo Aggregate:



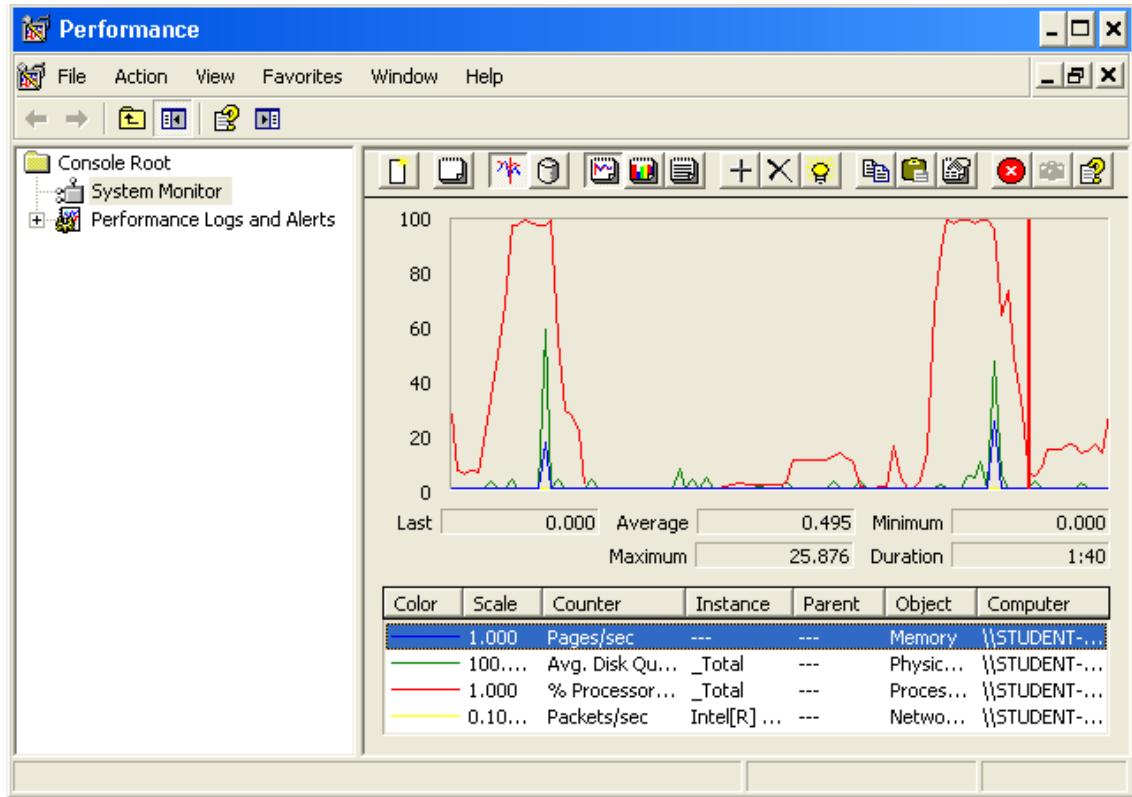
Positivo Graph:



Negativo:



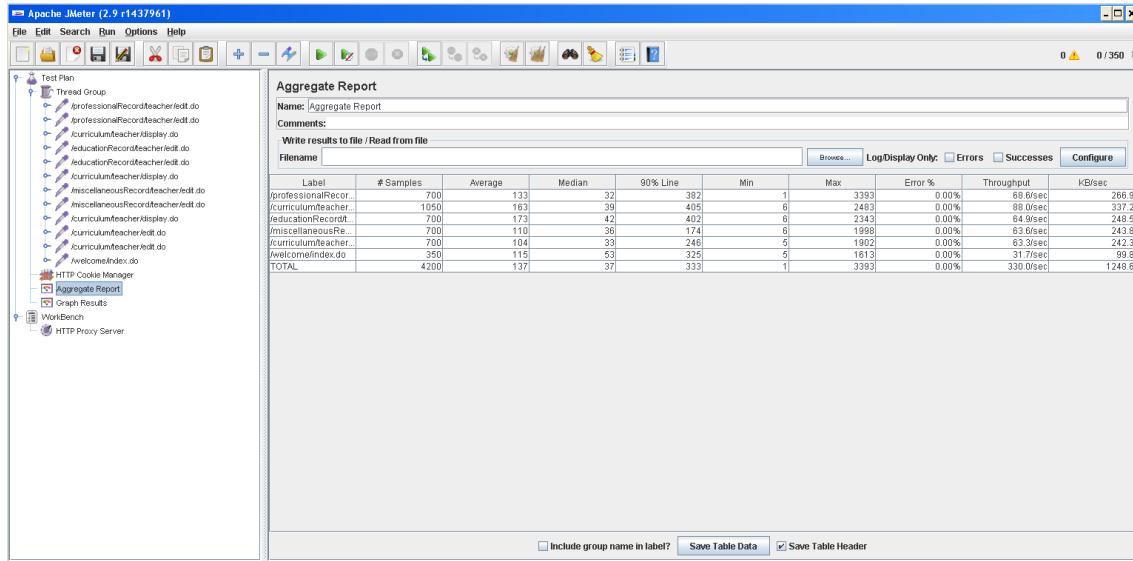
Performance:



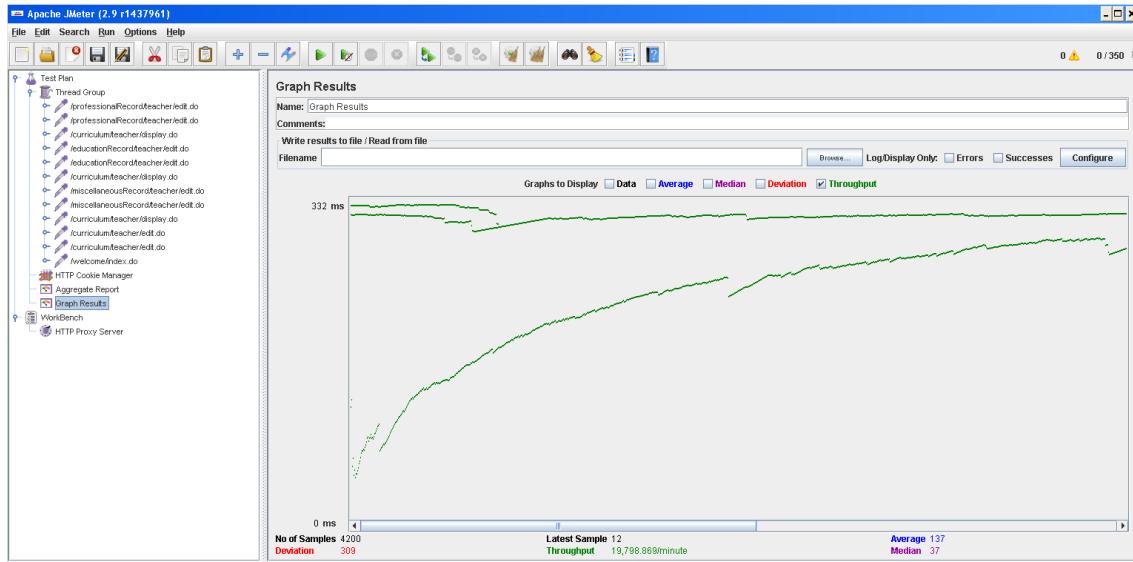
Causa: Cuello de botella por el procesador.

UC23- Borrar registros y curriculum (350 usuarios)

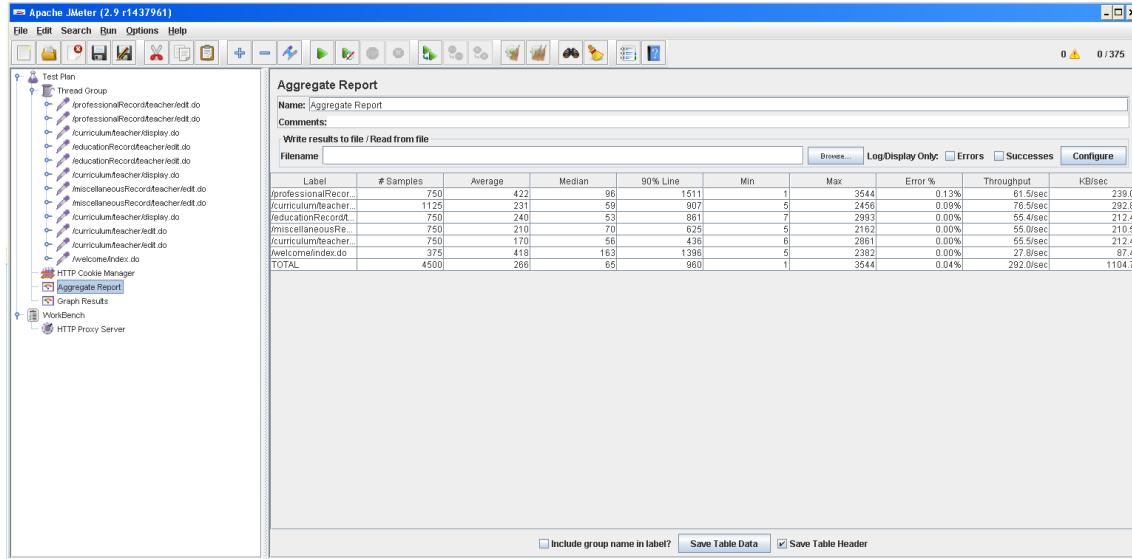
Positivo Aggregate:



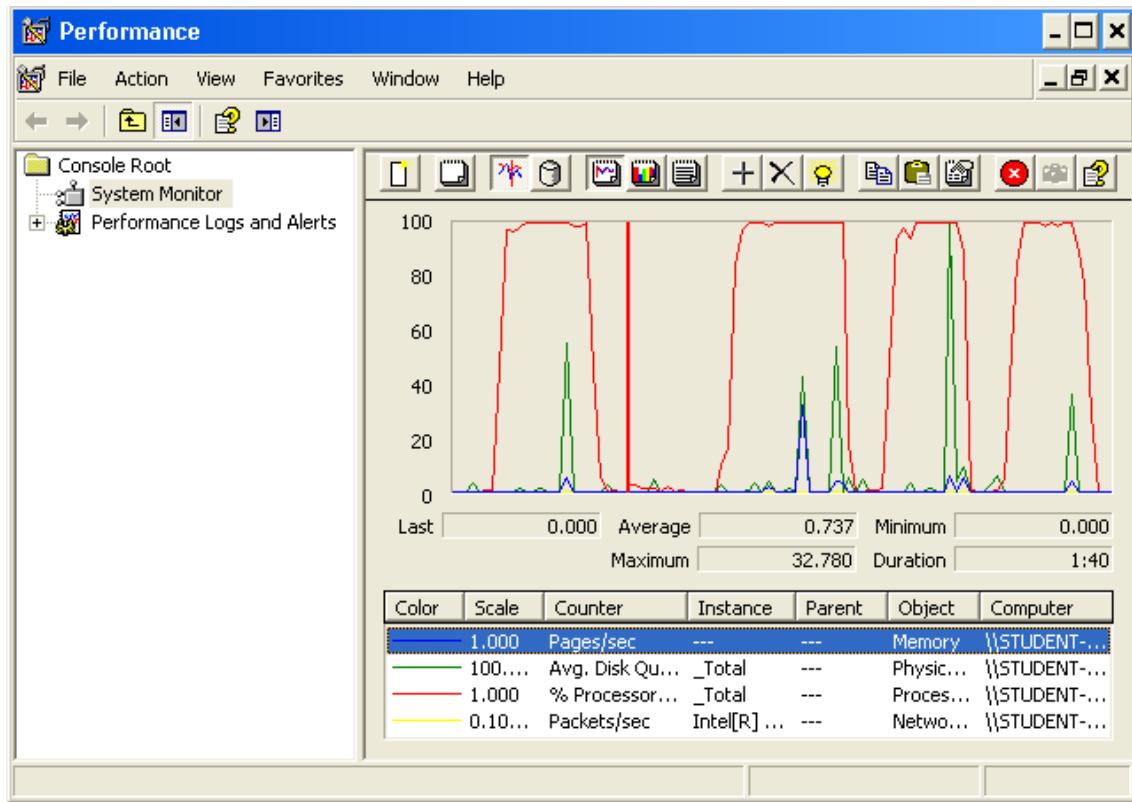
Positivo Graph:



Negativo:



Performance:



Causa: Cuello de botella por el procesador y disco duro.

UC24-Escribir una pregunta en el foro de un curso (250 usuarios)

Positivo Aggregate:

Apache JMeter (2.9 r1437961)

File Edit Search Run Options Help

Test Plan

- HTTP Cookie Manager
- Aggregate Report
- Graph Results
- Thread Group
 - /security/login.do
 - HTTP Header Manager
 - Gaussian Random Timer
 - /l_spring_security_check
 - /
 - /course/list.do
 - /forum/display.do
 - /question/student/create.do
 - HTTP Header Manager
 - Gaussian Random Timer
 - /question/student/edit.do
 - /forum/display.do
 - /plug-ins/l.10.16/18nEnglish.json
- WorkBench
- HTTP Proxy Server

Aggregate Report

Name: Aggregate Report

Comments:

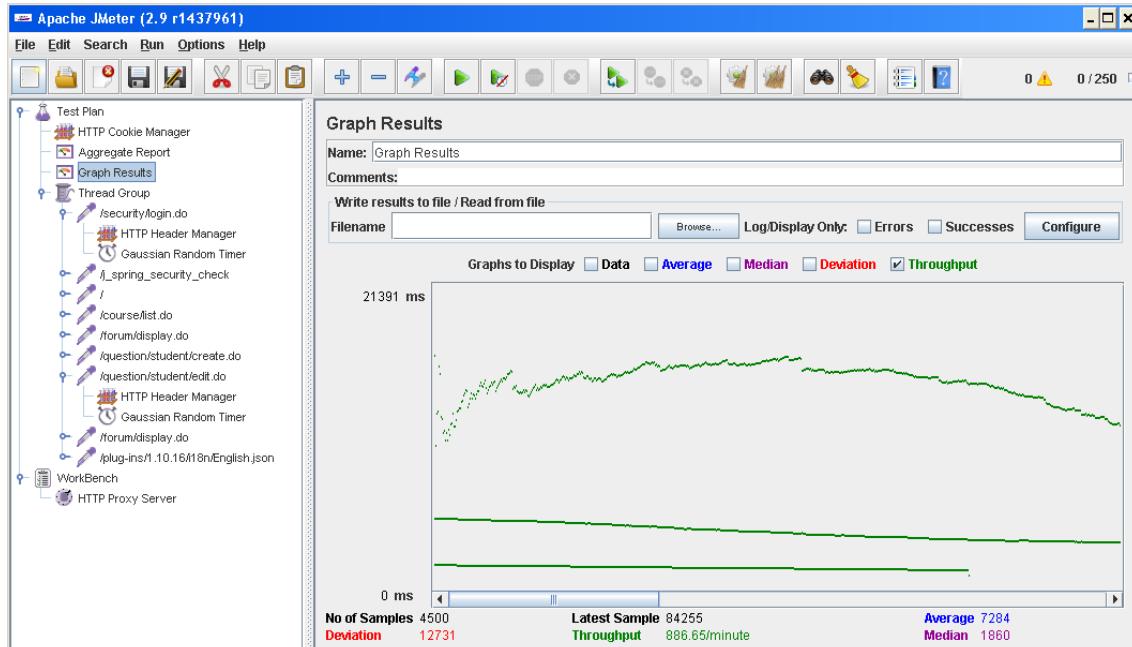
Write results to file / Read from file

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

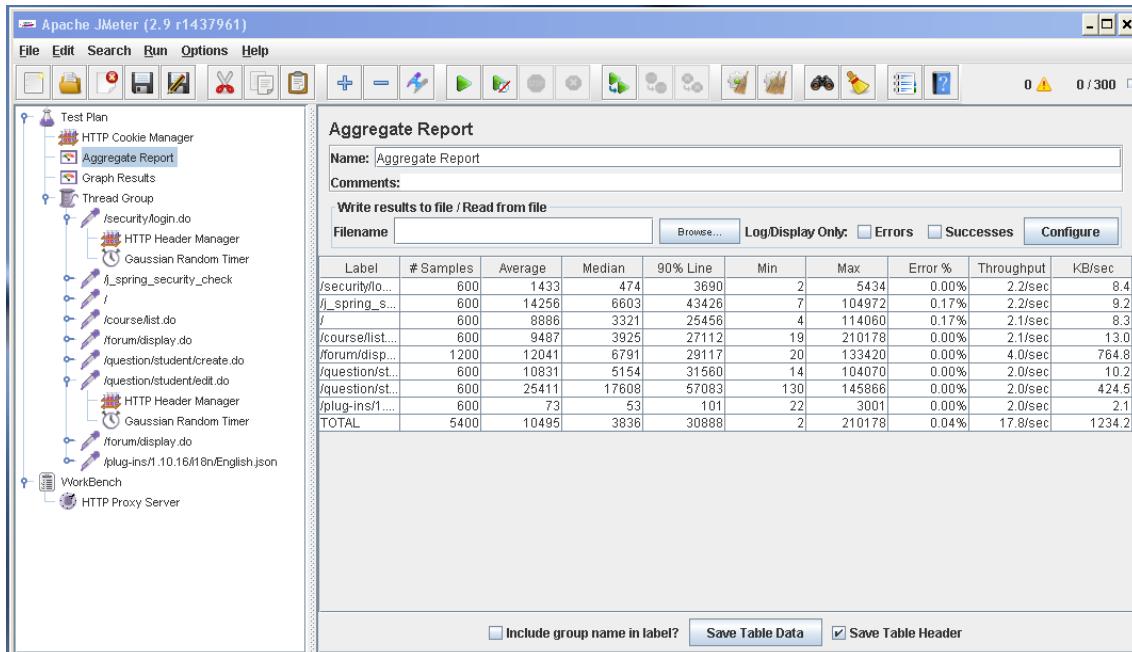
Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
/security/lo...	500	357	155	1133	2	2076	0.00%	2.5/sec	9.6
/l_spring_s...	500	9701	4215	27189	8	94866	0.00%	2.3/sec	9.8
/	500	5429	1382	14864	4	102993	0.00%	2.3/sec	9.3
/course/list...	500	6061	1631	17317	17	67843	0.00%	2.3/sec	14.6
/forum/disp...	1000	9573	4397	26188	14	101505	0.00%	4.5/sec	727.4
/question/st...	500	6248	2315	19102	13	67007	0.00%	2.3/sec	11.5
/question/st...	500	18384	12369	43766	77	114135	0.00%	2.3/sec	399.8
/plug-ins/l...	500	228	50	85	24	84255	0.20%	1.7/sec	1.8
TOTAL	4500	7284	1860	22126	2	114135	0.02%	14.8/sec	861.7

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

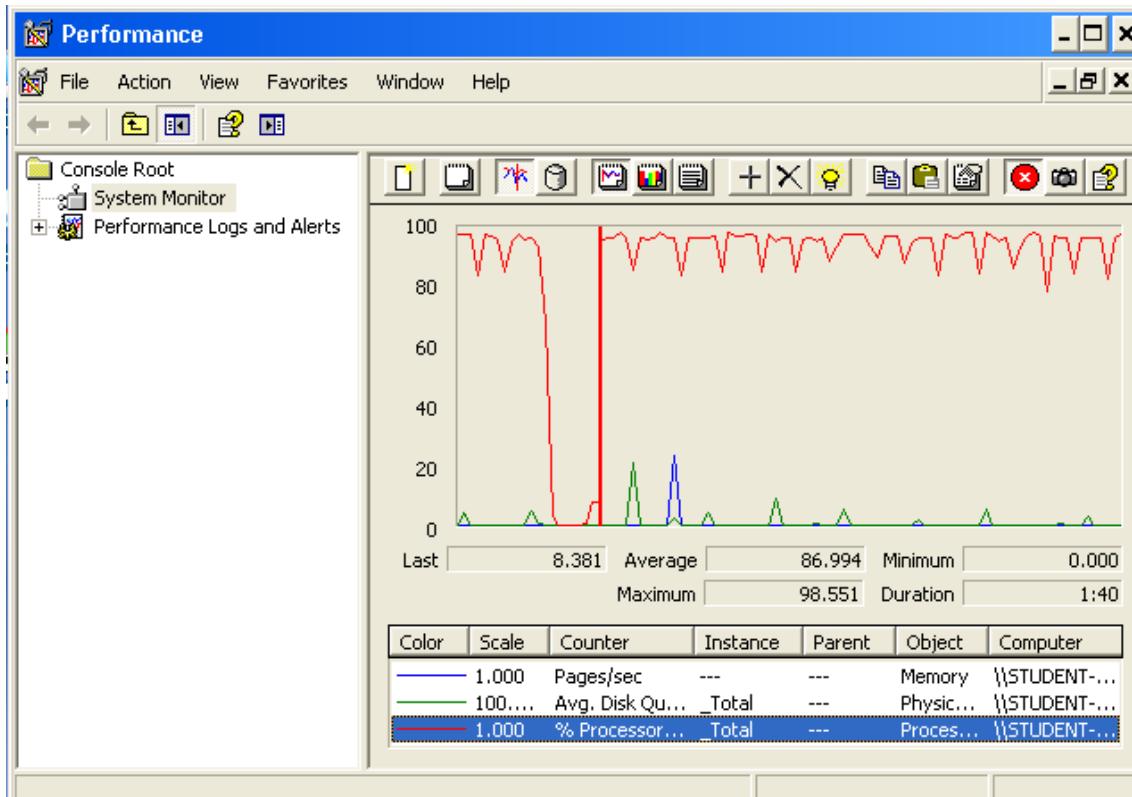
Positivo Graph:



Negativo:



Performance:



Causa: Cuello de botella por el procesador.

UC25-Responder a una pregunta en el foro de un curso (225 usuarios)

Positivo Aggregate:

Apache JMeter (2.9 r1437961)

File Edit Search Run Options Help

Test Plan

- HTTP Cookie Manager
- Aggregate Report
- Graph Results
- Thread Group
 - /forum/display.do
 - /plug-ins/l.10.16/l8n/English.json
 - /question/display.do
 - /answer/student/create.do
 - /answer/student/edit.do
 - HTTP Header Manager
 - Gaussian Random Timer
 - /question/display.do
 - /plug-ins/l.10.16/l8n/English.json
- WorkBench
- HTTP Proxy Server

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	Min	Max	Error %	Throughput	KB/sec
/forum/disp...	450	412	161	1194	10	5018	0.00%	40.0/sec	188.7
/plug-ins/l...	900	44	34	62	21	509	0.00%	71.5/sec	71.7
/question/di...	900	597	356	1475	12	5004	0.00%	71.9/sec	374.0
/answer/stu...	450	27	17	45	5	392	0.00%	40.1/sec	154.5
/answer/stu...	450	24	18	42	5	441	0.00%	41.0/sec	157.6
TOTAL	3150	249	40	782	5	5018	0.00%	250.1/sec	886.7

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

Positivo Graph:

Apache JMeter (2.9 r1437961)

File Edit Search Run Options Help

Test Plan

- HTTP Cookie Manager
- Aggregate Report
- Graph Results
- Thread Group
 - /forum/display.do
 - /plug-ins/l.10.16/l8n/English.json
 - /question/display.do
 - /answer/student/create.do
 - /answer/student/edit.do
 - HTTP Header Manager
 - Gaussian Random Timer
 - /question/display.do
 - /plug-ins/l.10.16/l8n/English.json
- WorkBench
- HTTP Proxy Server

Graph Results

Name: Graph Results

Comments:

Write results to file / Read from file

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

Graphs to Display: Data Average Median Deviation Throughput

816 ms

0 ms

No of Samples 3150 Latest Sample 23 Average 249
Deviation 512 Throughput 15,005.955/min Median 40

Negativo:

Apache JMeter (2.9 r1437961)

File Edit Search Run Options Help

Test Plan

- HTTP Cookie Manager
- Aggregate Report
- Graph Results
- Thread Group
 - /forum/display.do
 - /plug-ins/1.10.16/18nEnglish.json
 - /question/display.do
 - /answer/student/create.do
 - /answer/student/edit.do
 - HTTP Header Manager
 - Gaussian Random Timer
 - /question/display.do
 - /plug-ins/1.10.16/18nEnglish.json
- WorkBench
- HTTP Proxy Server

Aggregate Report

Name: Aggregate Report

Comments:

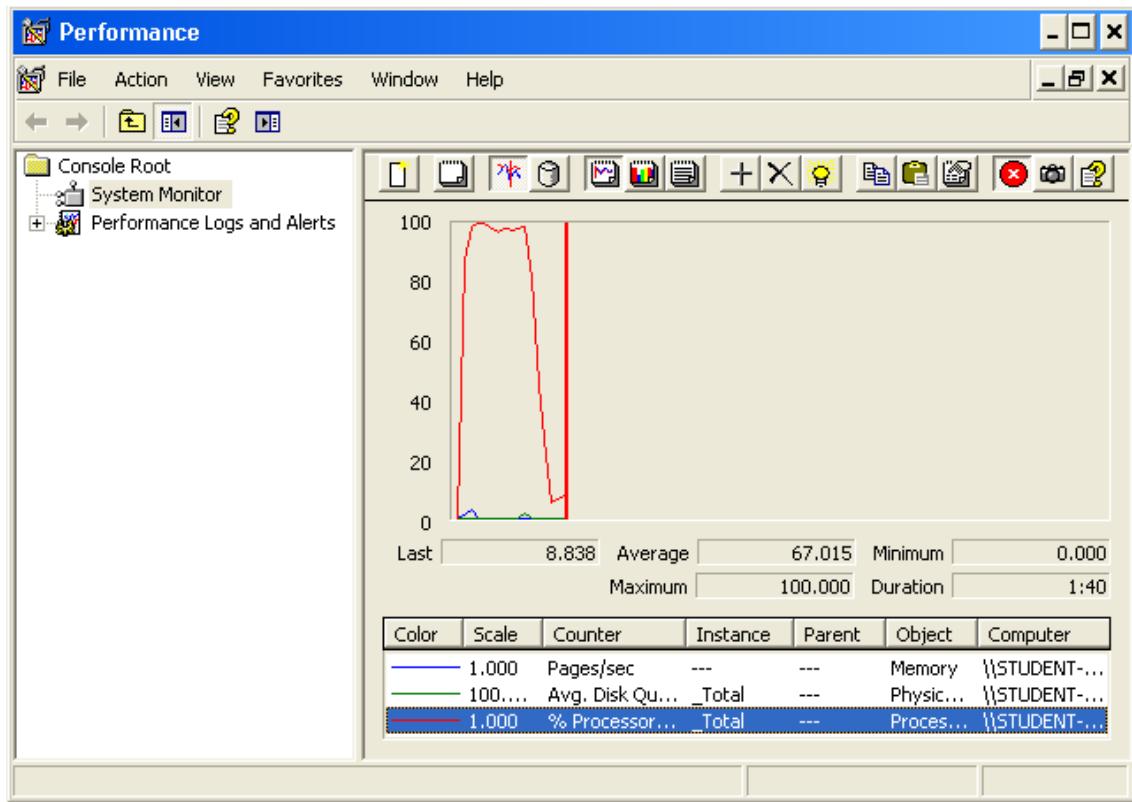
Write results to file / Read from file

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

Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
/forum/disp...	500	565	180	1576	11	5300	0.00%	43.5/sec	205.1
/plug-ins/1...	1000	54	34	62	21	1375	0.00%	77.0/sec	77.2
/question/di...	1000	627	328	1666	1	5514	0.10%	77.6/sec	403.7
/answer/stu...	500	43	20	57	1	1081	0.20%	43.8/sec	168.5
/answer/stu...	500	32	20	43	5	1123	0.00%	44.0/sec	169.2
TOTAL	3500	286	42	866	1	5514	0.06%	269.1/sec	953.5

Include group name in label? Save Table Header

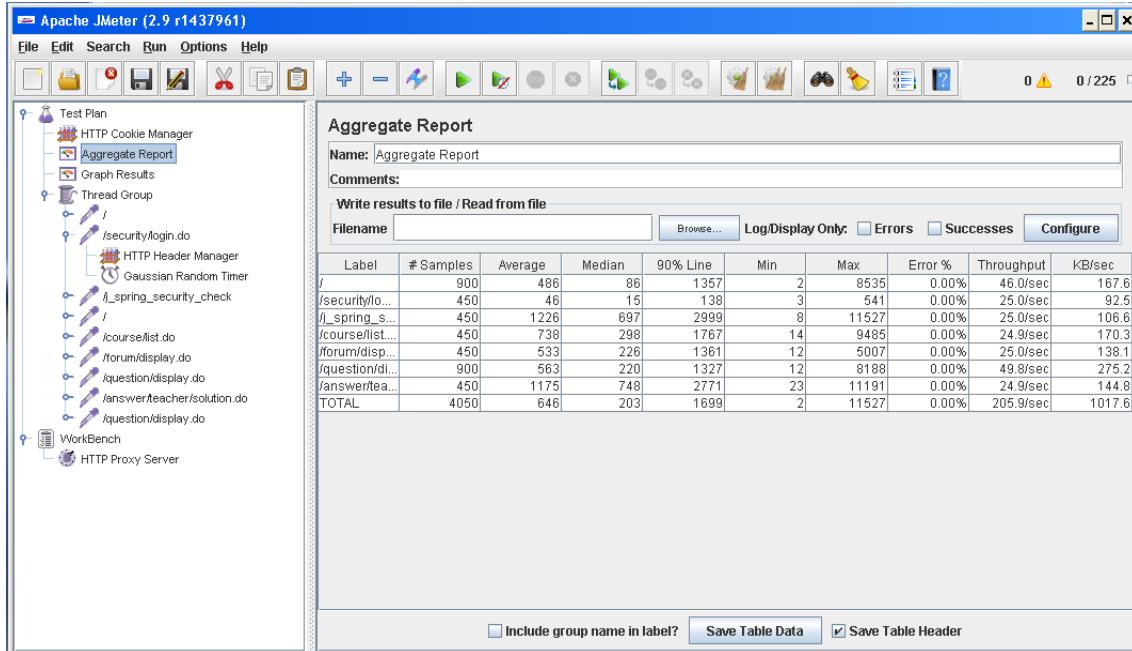
Performance:



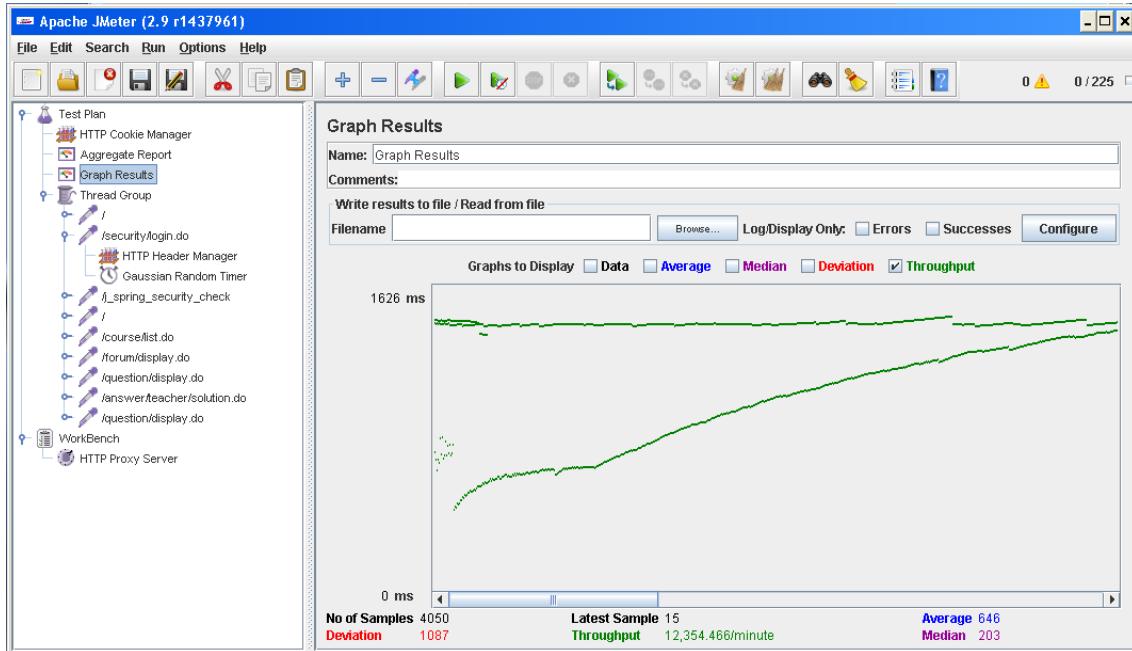
Causa: Cuello de botella por el CPU.

UC26-Validar la respuesta de un usuario como profesor (225 usuarios)

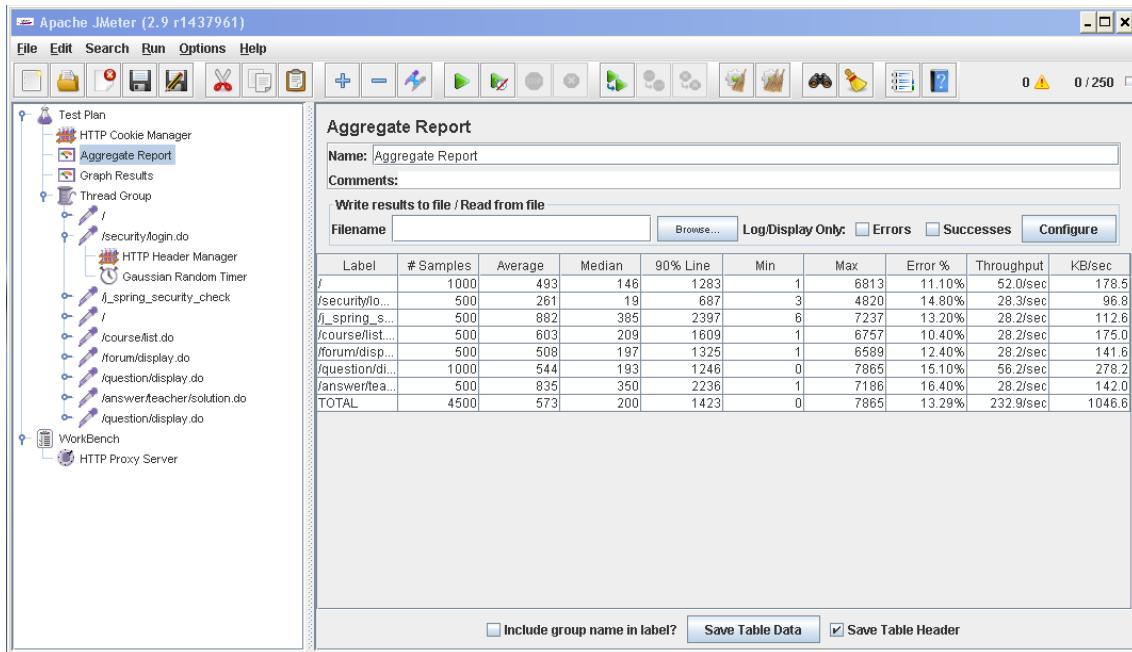
Positivo Aggregate:



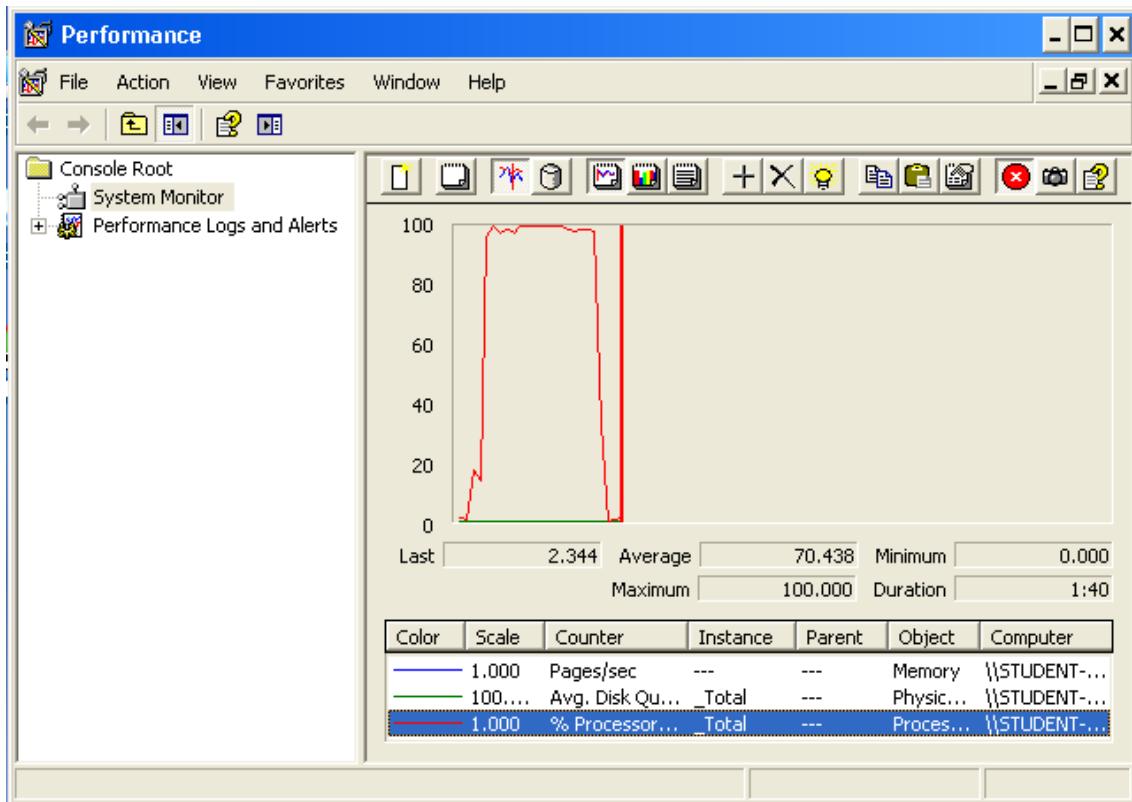
Positivo Graph:



Negativo:



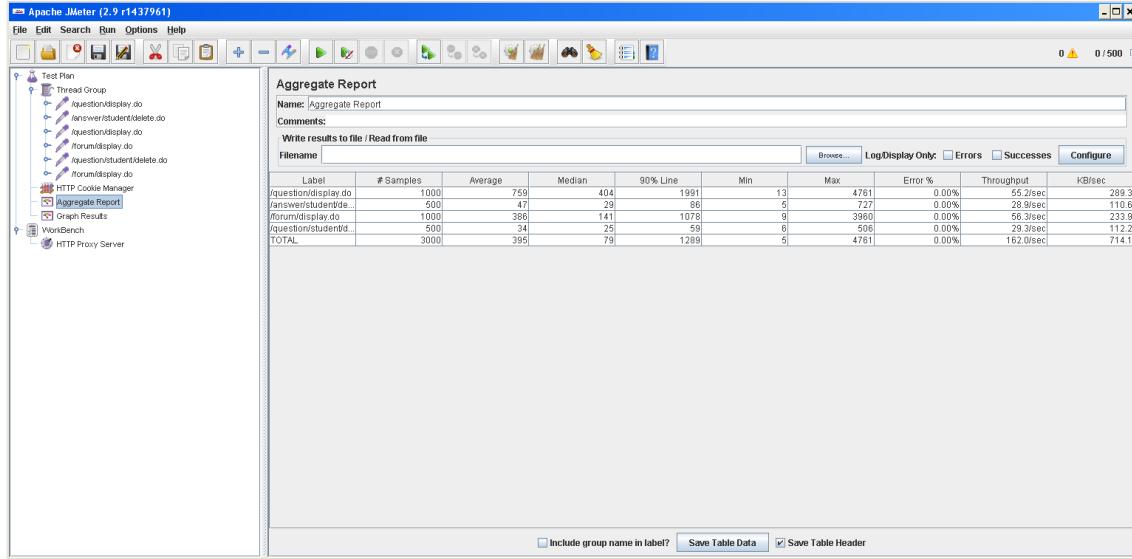
Performance:



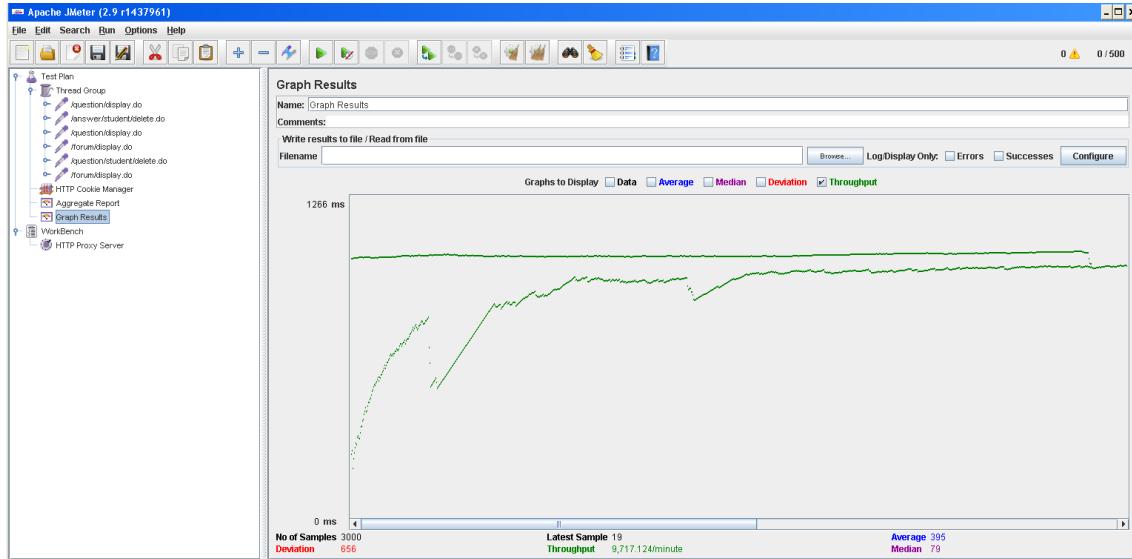
Causa: Cuello de botella con el procesador.

UC27-Eliminar una pregunta y una respuesta (500 usuarios)

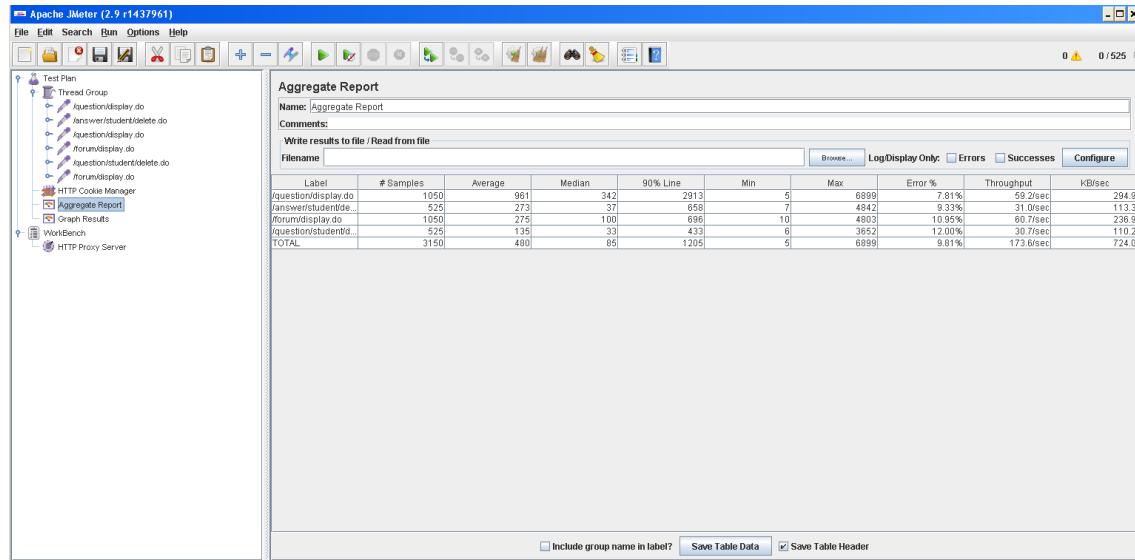
Positivo Aggregate:



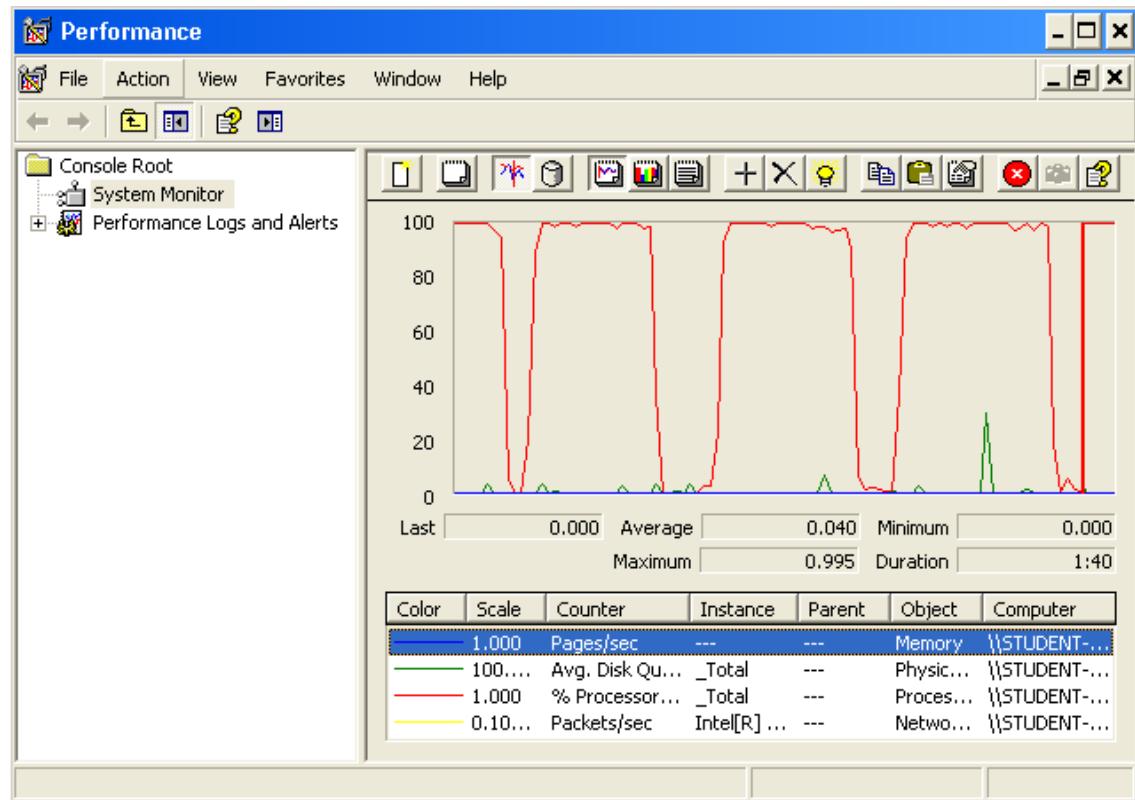
Positivo Graph:



Negativo:



Performance:



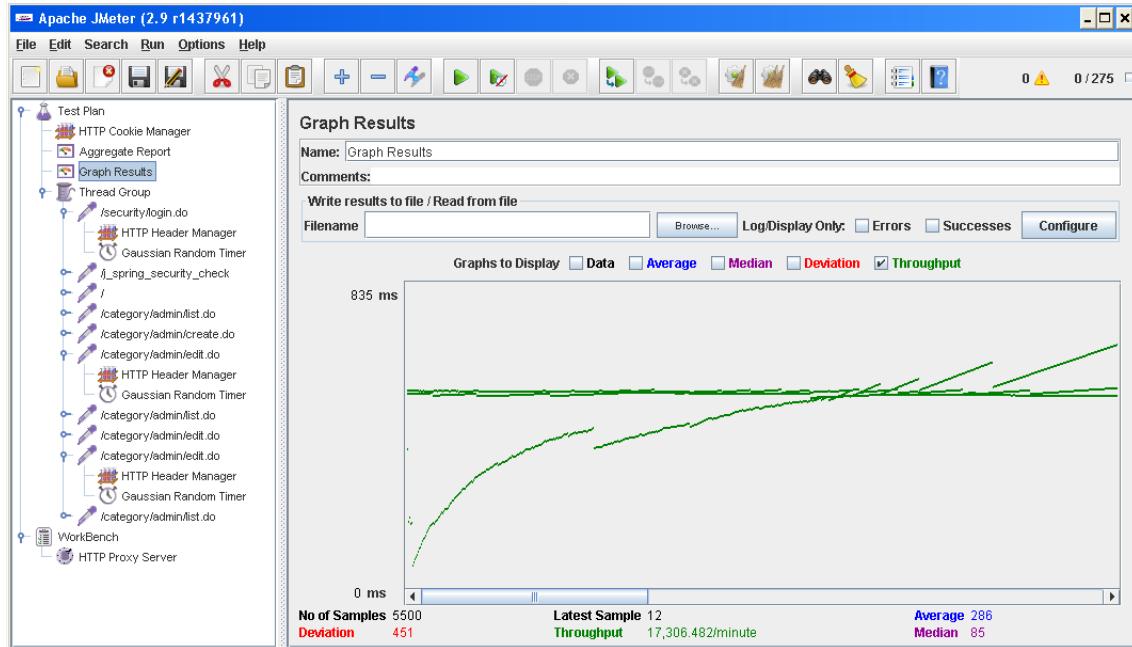
Causa: Cuello de botella por el procesador.

UC28-Crear y editar una categoría (275 usuarios)

Positivo Aggregate:

Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throughput	KB/sec
/security/login.do	550	19	10	34	2	363	0.00%	34.3/...	129.4
/j_spring_security_check	550	551	285	1437	7	3360	0.00%	34.3/...	143.5
/	550	271	95	784	4	2383	0.00%	34.3/...	136.0
/category/admin/list.do	1650	276	90	759	6	3200	0.00%	86.6/...	531.8
/category/admin/create.do	550	266	62	810	5	3449	0.00%	34.3/...	175.4
/category/admin/edit.do	1650	308	135	793	4	3819	0.00%	92.2/...	698.5
TOTAL	5500	286	85	828	2	3819	0.00%	288.4/...	1678.0

Positivo Graph:

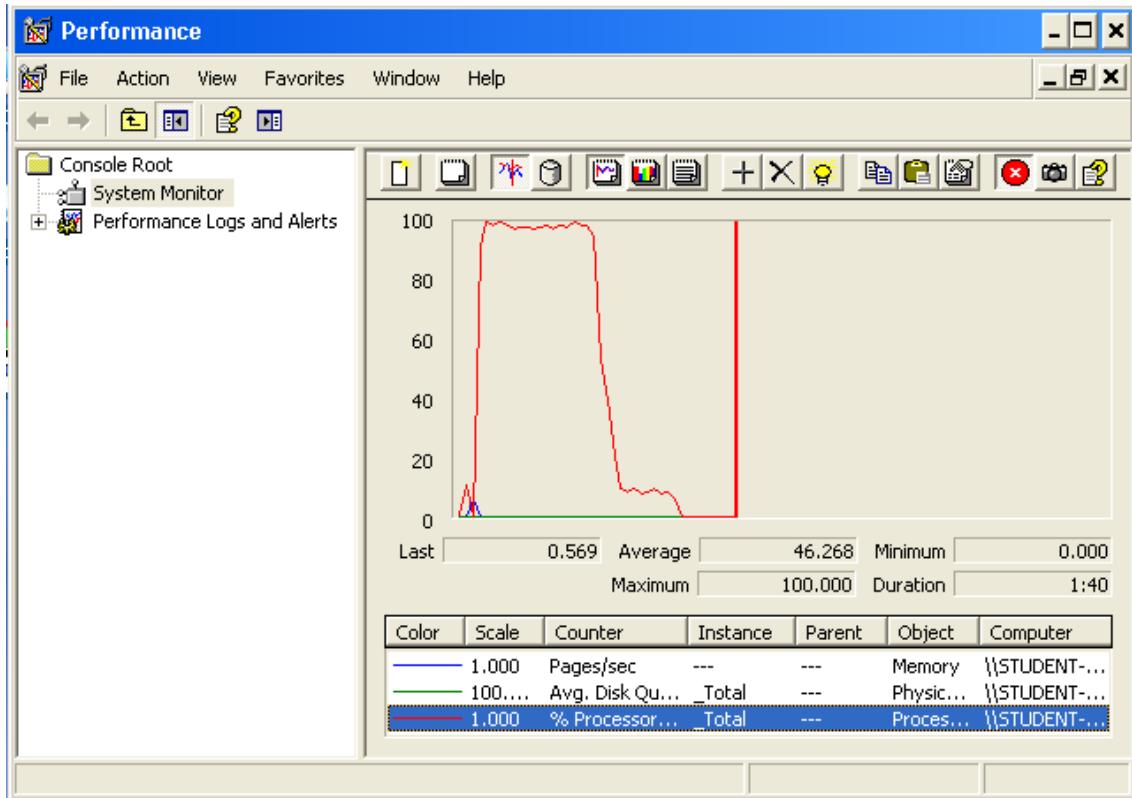


Negativo:

The screenshot shows the Apache JMeter interface with the 'Aggregate Report' selected in the Test Plan tree. The main panel displays the 'Aggregate Report' results for a test plan involving multiple threads and various requests. The report includes a summary table and detailed statistics for each request type.

Label	# Samples	Average	Median	90% Line	Min	Max	Error %	Throu... KB/sec
/security/login.do	600	157	10	616	2	1340	0.00%	29.4/... 111.0
/j_spring_security_check	600	785	515	1947	8	5705	4.00%	29.4/... 121.2
/	600	386	149	1057	1	3988	3.67%	29.4/... 114.6
/category/admin/list.do	1800	333	114	902	1	4963	1.28%	75.5/... 462.7
/category/admin/create.do	600	338	92	881	4	8387	3.17%	29.4/... 148.5
/category/admin/edit.do	1800	364	174	952	2	4640	0.78%	80.2/... 598.8
TOTAL	6000	376	128	1058	1	8387	1.70%	251.4/... 1448.1

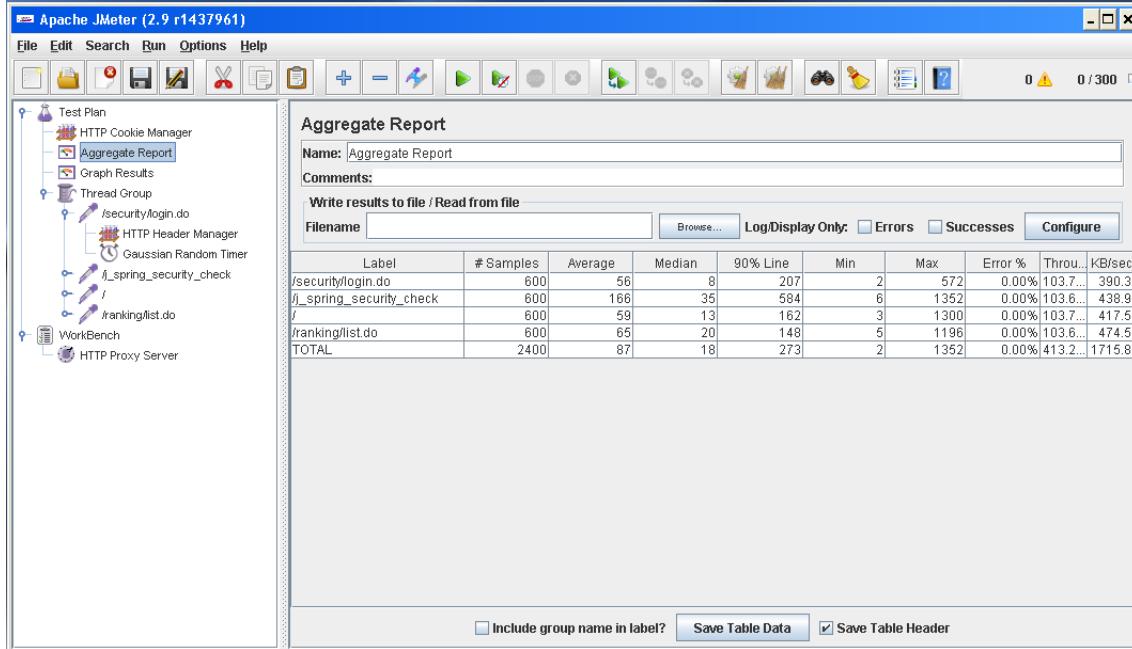
Performance:



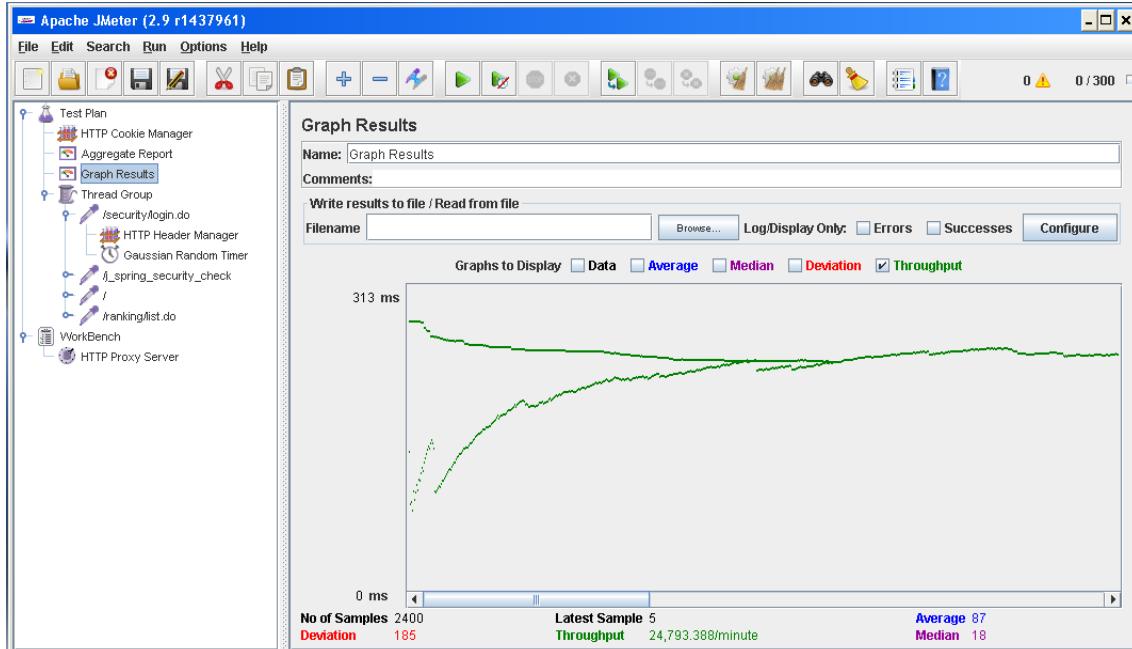
Causa: Cuello de botella por el procesador.

UC29-Motrar ranking de usuarios por puntos (300 usuarios)

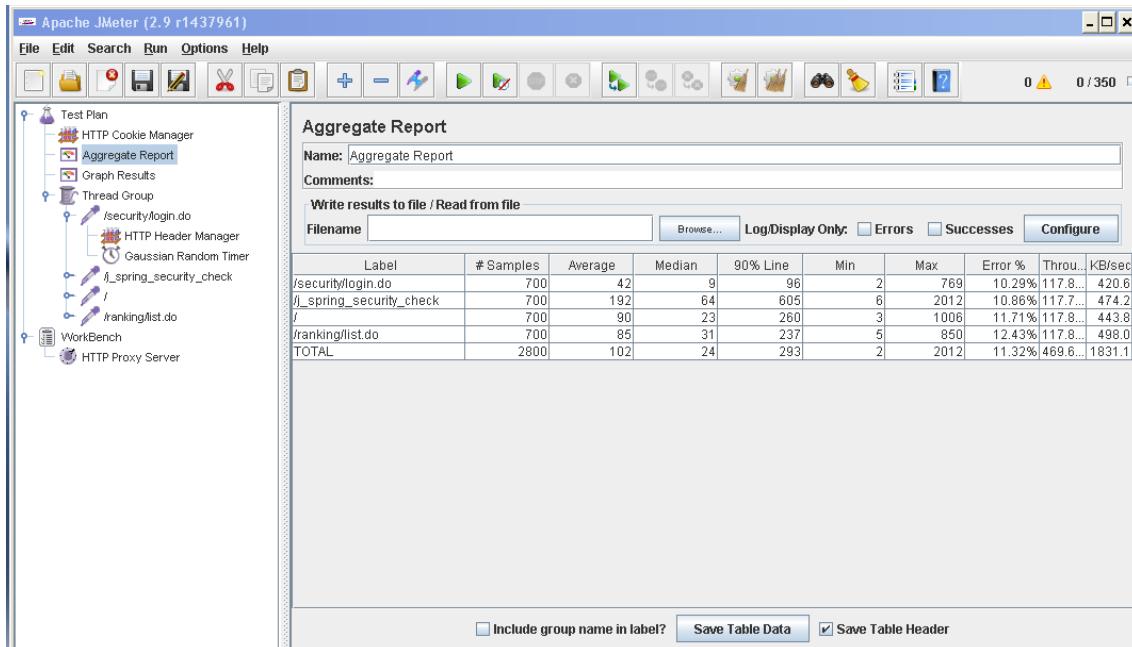
Positivo Aggregate:



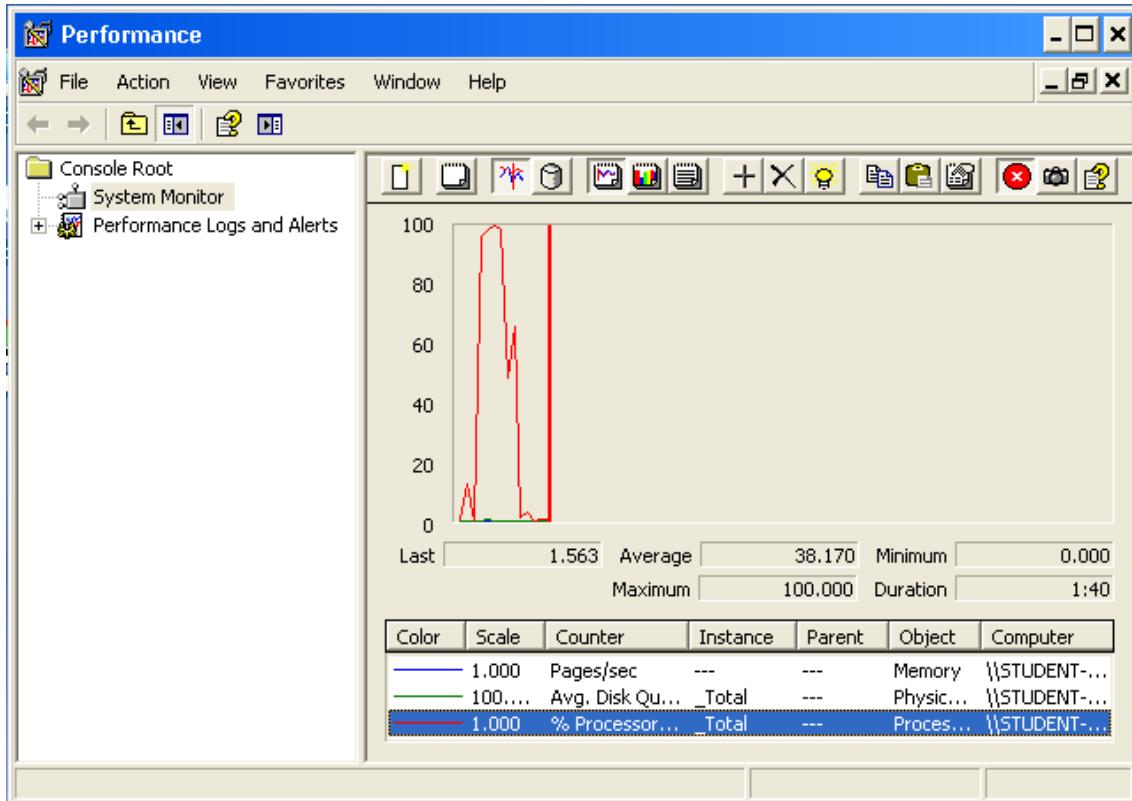
Positivo Graph:



Negativo:



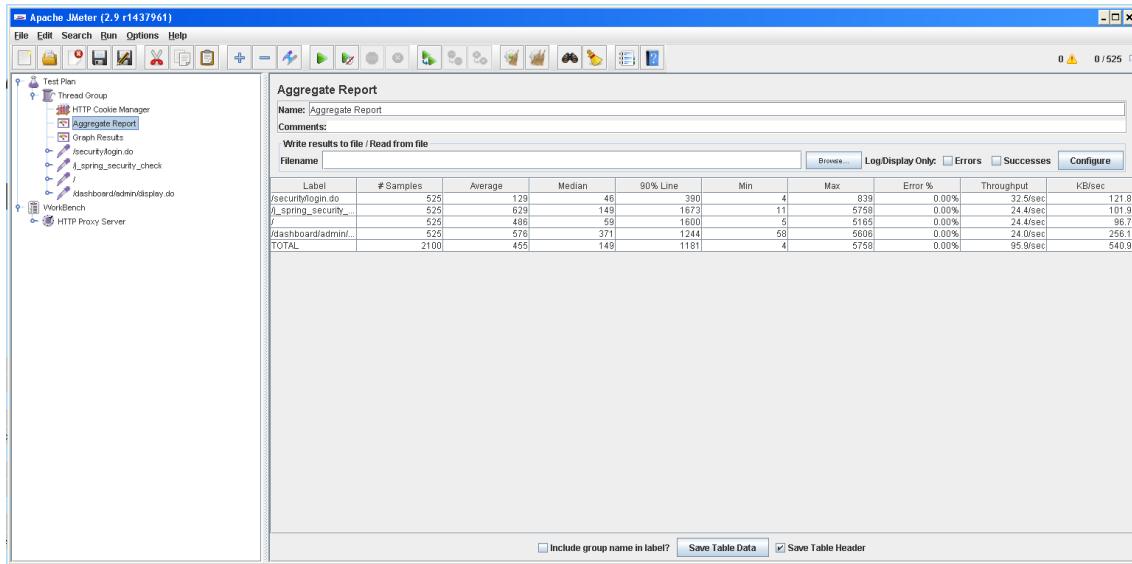
Performance:



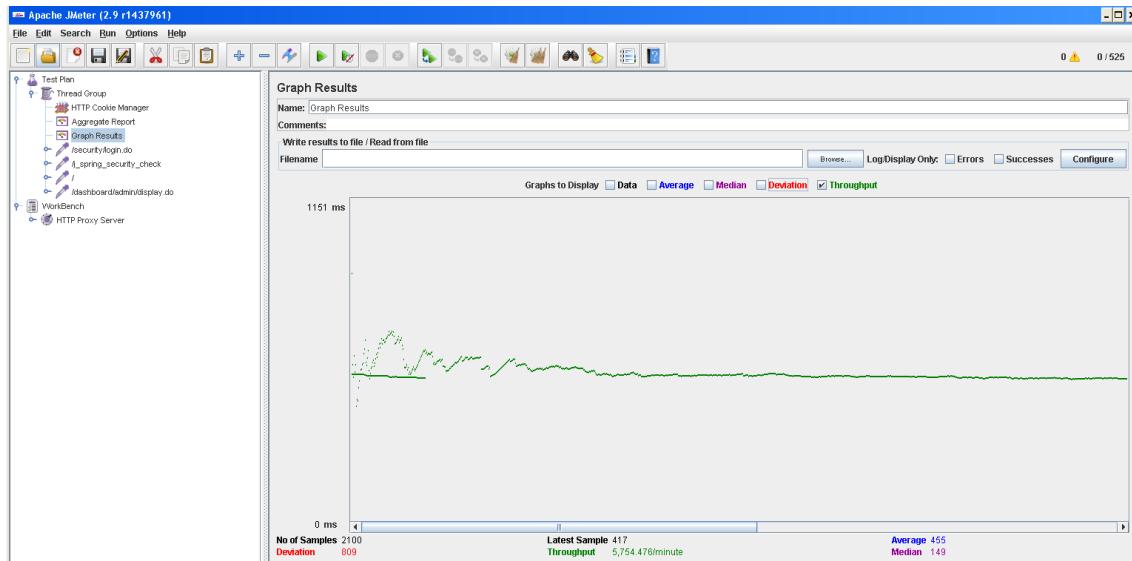
Causa: Cuello de botella por el procesador

UC30 – Tablero de estadísticas como administrador (525 usuarios)

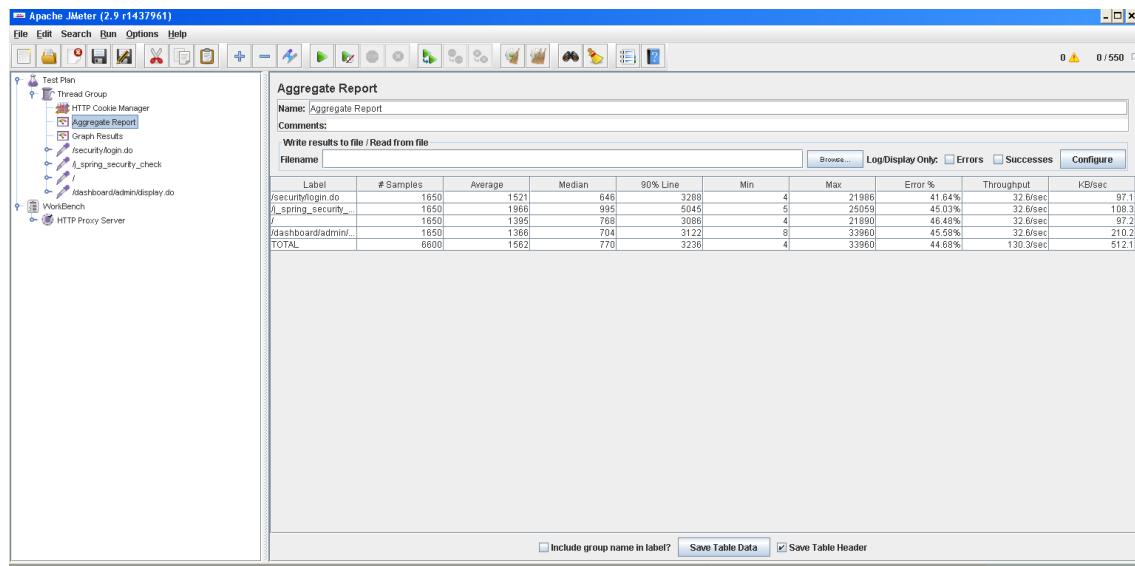
Positivo Aggregate:



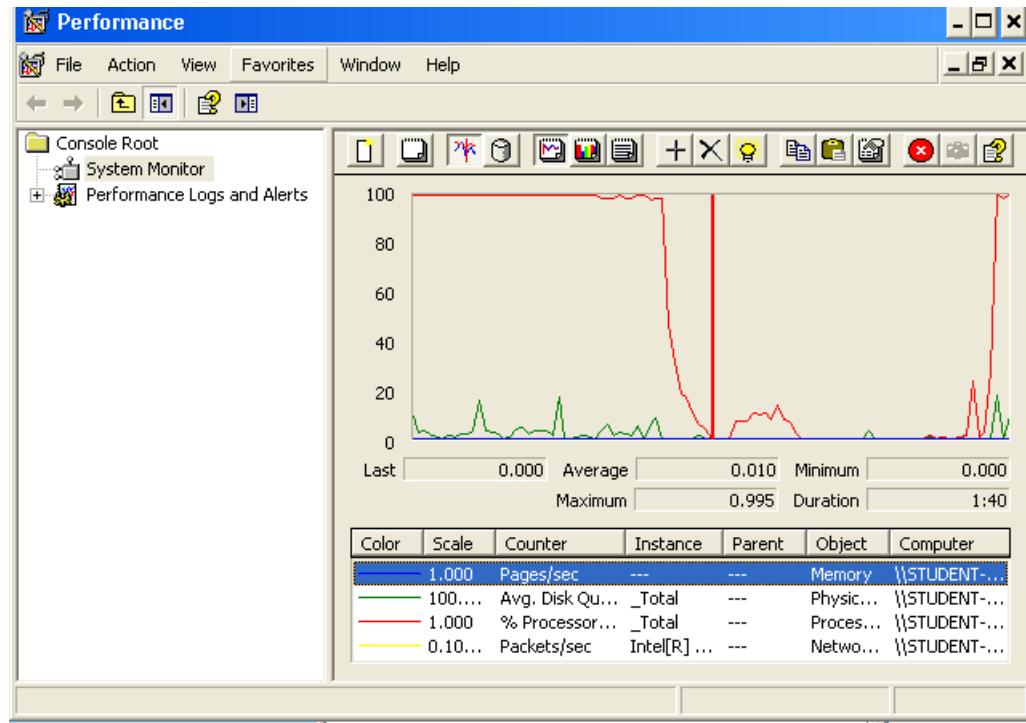
Positivo Graph:



Negativo:

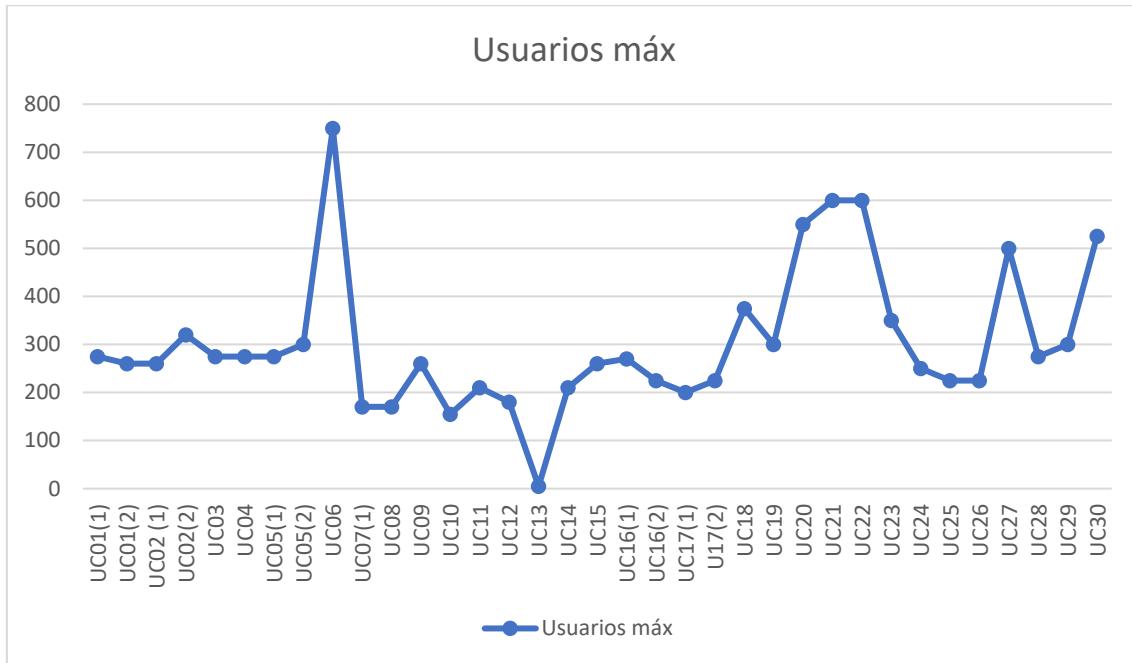


Performance:



Causa: Cuello de botella por el procesador

Resumen



El caso de uso que menos usuarios admite es el UC13 mostrado anteriormente. Como es un caso de uso de administrador podemos descartarlo ya que solo hay un administrador en el sistema. El siguiente caso de uso más bajo sería el UC10: Mostrar y editar información personal para estudiante, con un total de 155 usuarios concurrentes.

Usuarios máximos del sistema: 155