

Logout

Method:POST

Path: /energy/api/Logout

1.Number of Threads (users): 10 Ramp-up period (seconds): 5 Loop Count: 1

-Summary Report:

Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/s...	Sent KB/sec	Avg. Bytes
Logout	10	11	9	22	3.72	0.00%	2.2/sec	0.84	0.80	390.0

-Results in Table (first 10 users):

Sample #	Start Time	Thread Name	Label	Sample Time(ms)	Status	Bytes	Sent Bytes	Latency	Connect Time(...)
1	16:51:37.247	Thread Grou...	Logout	22		390	370	22	16
2	16:51:37.749	Thread Grou...	Logout	9		390	370	9	8
3	16:51:38.247	Thread Grou...	Logout	10		390	370	10	9
4	16:51:38.748	Thread Grou...	Logout	9		390	370	9	8
5	16:51:39.250	Thread Grou...	Logout	9		390	370	9	8
6	16:51:39.746	Thread Grou...	Logout	11		390	370	11	9
7	16:51:40.248	Thread Grou...	Logout	9		390	370	9	7
8	16:51:40.750	Thread Grou...	Logout	11		390	370	11	8
9	16:51:41.252	Thread Grou...	Logout	12		390	370	12	10
10	16:51:41.751	Thread Grou...	Logout	11		390	370	11	9

-Graph Results:

Για 10 χρήστες τα requests δεν ήταν αρκετά για να δούμε αντιπροσωπευτικά δεδομένα στο γράφημα

2.Number of Threads (users): 75 Ramp-up period (seconds): 5 Loop Count: 1

-Summary Reports:

Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/s...	Sent KB/sec	Avg. Bytes
Logout	75	12	8	111	12.68	0.00%	15.1/sec	5.75	5.46	390.0

-Results in table (10 first and 10 last users):

Sample #	Start Time	Thread Name	Label	Sample Time(ms)	Status	Bytes	Sent Bytes	Latency	Connect Time(...)
1	16:50:22.224	Thread Grou...	Logout	111		390	370	111	37
2	16:50:22.289	Thread Grou...	Logout	56		390	370	56	54
3	16:50:22.359	Thread Grou...	Logout	8		390	370	8	7
4	16:50:22.421	Thread Grou...	Logout	8		390	370	8	7
5	16:50:22.495	Thread Grou...	Logout	9		390	370	9	7
6	16:50:22.557	Thread Grou...	Logout	14		390	370	14	12
7	16:50:22.624	Thread Grou...	Logout	8		390	370	8	7
8	16:50:22.688	Thread Grou...	Logout	9		390	370	9	7
9	16:50:22.758	Thread Grou...	Logout	9		390	370	9	7
10	16:50:22.828	Thread Grou...	Logout	11		390	370	11	9

65	16:50:26.508	Thread Grou...	Logout	11		390	370	11	10
66	16:50:26.578	Thread Grou...	Logout	10		390	370	10	9
67	16:50:26.645	Thread Grou...	Logout	10		390	370	10	8
68	16:50:26.712	Thread Grou...	Logout	10		390	370	10	8
69	16:50:26.775	Thread Grou...	Logout	10		390	370	10	9
70	16:50:26.845	Thread Grou...	Logout	9		390	370	9	8
71	16:50:26.910	Thread Grou...	Logout	9		390	370	9	8
72	16:50:26.979	Thread Grou...	Logout	12		390	370	12	11
73	16:50:27.042	Thread Grou...	Logout	10		390	370	10	9
74	16:50:27.112	Thread Grou...	Logout	10		390	370	10	8
75	16:50:27.181	Thread Grou...	Logout	10		390	370	10	9

-Graph Results:



3.Number of Threads (users): 150 Ramp-up period (seconds): 5 Loop Count: 1

-Summary Reports:

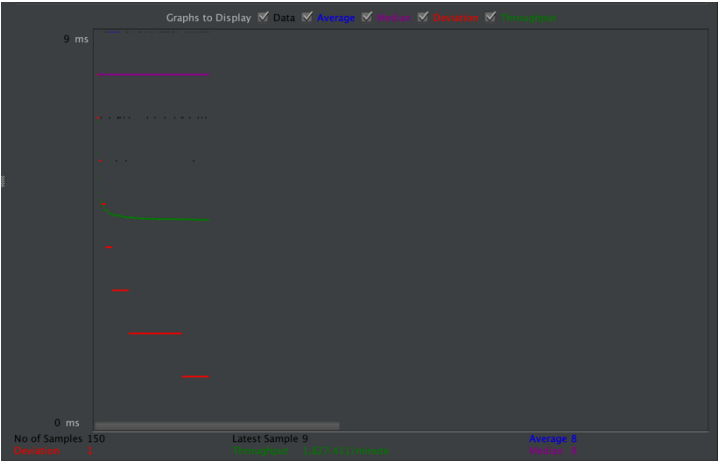
Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/s...	Sent KB/sec	Avg. Bytes
Logout	150	8	6	27	1.86	0.00%	30.5/sec	11.60	11.00	390.0

-Results in tables (for 10 first and 10 last users):

Sample #	Start Time	Thread Name	Label	Sample Time(ms)	Status	Bytes	Sent Bytes	Latency	Connect Time(...)
1	16:33:04.743	Thread Grou...	Logout	27	✓	390	370	27	20
2	16:33:04.775	Thread Grou...	Logout	12	✓	390	370	12	10
3	16:33:04.809	Thread Grou...	Logout	8	✓	390	370	8	7
4	16:33:04.844	Thread Grou...	Logout	8	✓	390	370	8	7
5	16:33:04.879	Thread Grou...	Logout	8	✓	390	370	8	7
6	16:33:04.914	Thread Grou...	Logout	8	✓	390	370	8	7
7	16:33:04.947	Thread Grou...	Logout	11	✓	390	370	11	9
8	16:33:04.977	Thread Grou...	Logout	7	✓	390	370	7	6
9	16:33:05.006	Thread Grou...	Logout	9	✓	390	370	8	7
10	16:33:05.044	Thread Grou...	Logout	11	✓	390	370	11	10

140	16:33:09.331	Thread Grou...	Logout	8	✓	390	370	8	7
141	16:33:09.364	Thread Grou...	Logout	7	✓	390	370	7	6
142	16:33:09.396	Thread Grou...	Logout	9	✓	390	370	9	8
143	16:33:09.430	Thread Grou...	Logout	8	✓	390	370	8	7
144	16:33:09.465	Thread Grou...	Logout	10	✓	390	370	10	9
145	16:33:09.493	Thread Grou...	Logout	9	✓	390	370	9	8
146	16:33:09.526	Thread Grou...	Logout	7	✓	390	370	7	6
147	16:33:09.563	Thread Grou...	Logout	9	✓	390	370	9	7
148	16:33:09.597	Thread Grou...	Logout	9	✓	390	370	9	8
149	16:33:09.631	Thread Grou...	Logout	12	✓	390	370	12	9
150	16:33:09.659	Thread Grou...	Logout	9	✓	390	370	9	8

-Graph Results:



Για την ανάλυση των επιδόσεων του REST API χρησιμοποιήθηκε το εργαλείο Jmeter

ΑΝΑΛΥΣΗ ΔΕΙΓΜΑΤΩΝ:

****Παρατηρήσαμε ότι ο μέγιστος αριθμός ταυτόχρονων requests που μπορεί να εξυπηρετήσει το REST API μας χωρίς κανένα error είναι περίπου 150.**

Ανάλυση Graph:

- **Data** - plot the actual data values
- **Average** - plot the Average
- **Median** - plot the Median (midway value)
- **Deviation** - plot the Standard Deviation (a measure of the variation)
- **Throughput** - plot the number of samples per unit of time

Ανάλυση Summary Report:

- **Label** - The label of the sample. If "**Include group name in label?**" is selected, then the name of the thread group is added as a prefix. This allows identical labels from different thread groups to be collated separately if required.
- **# Samples** - The number of samples with the same label
- **Average** - The average elapsed time of a set of results
- **Min** - The lowest elapsed time for the samples with the same label
- **Max** - The longest elapsed time for the samples with the same label
- **Std. Dev.** - the Standard Deviation of the sample elapsed time
- **Error %** - Percent of requests with errors
- **Throughput** - the Throughput is measured in requests per second/minute/hour. The time unit is chosen so that the displayed rate is at least **1.0**. When the throughput is saved to a CSV file, it is expressed in requests/second, i.e. 30.0 requests/minute is saved as **0.5**.
- **Received KB/sec** - The throughput measured in Kilobytes per second
- **Sent KB/sec** - The throughput measured in Kilobytes per second
- **Avg. Bytes** - average size of the sample response in bytes.

ΠΗΓΕΣ: <https://jmeter.apache.org/>