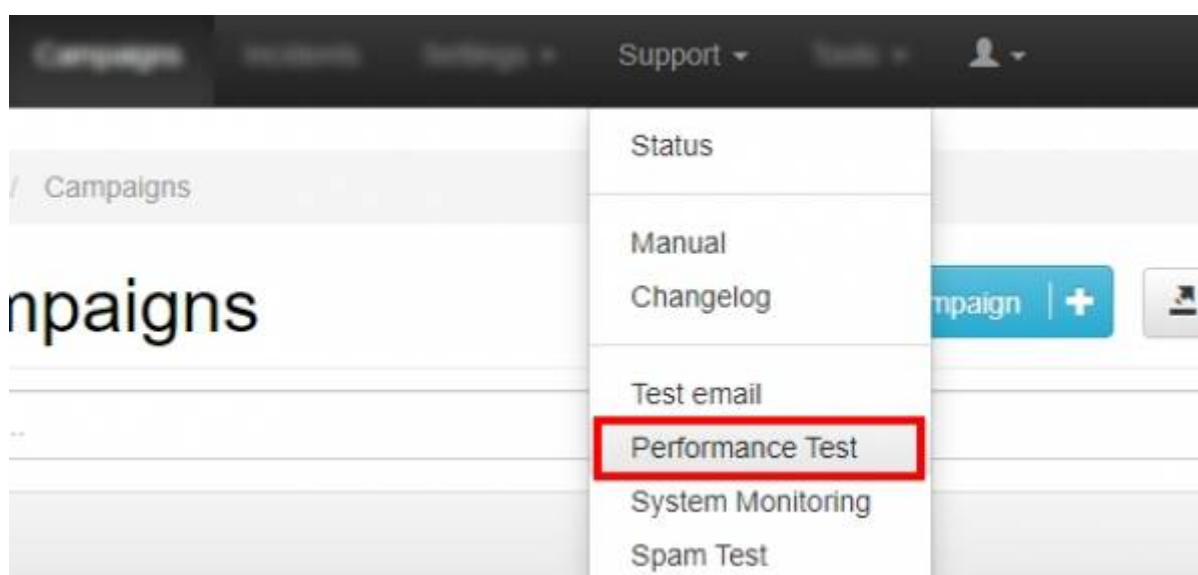We have two performance monitoring tools in LUCY:
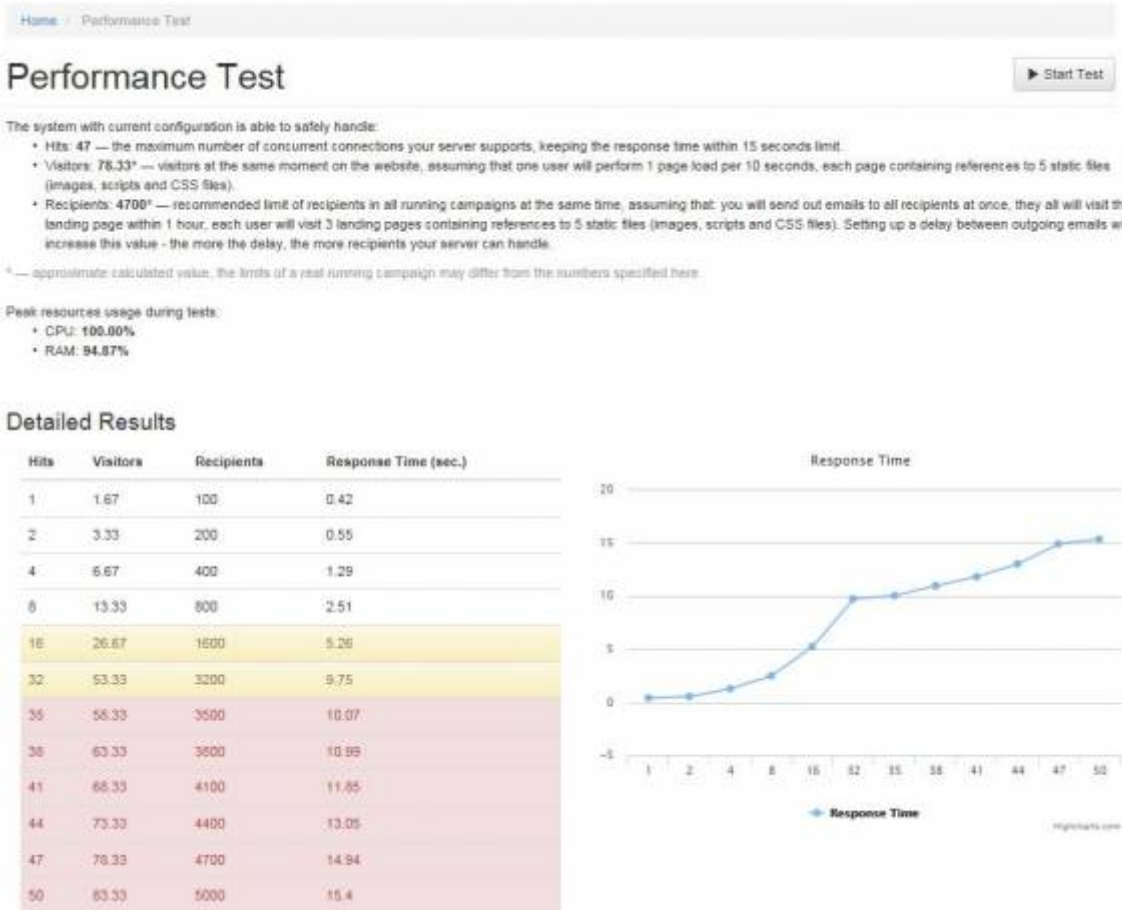
- Performance Test and
- System Monitoring

Performance Test

LUCY is designed to work with over 100 K parallel recipients on one instance. This will require a hardware with sufficient RAM & CPU. If you are not sure if your hardware meets the campaign requirements you can run the build in test module. It allows you to run a performance test in order to verify if your hardware can handle the amount of recipients. It will also check the Campaign Settings.
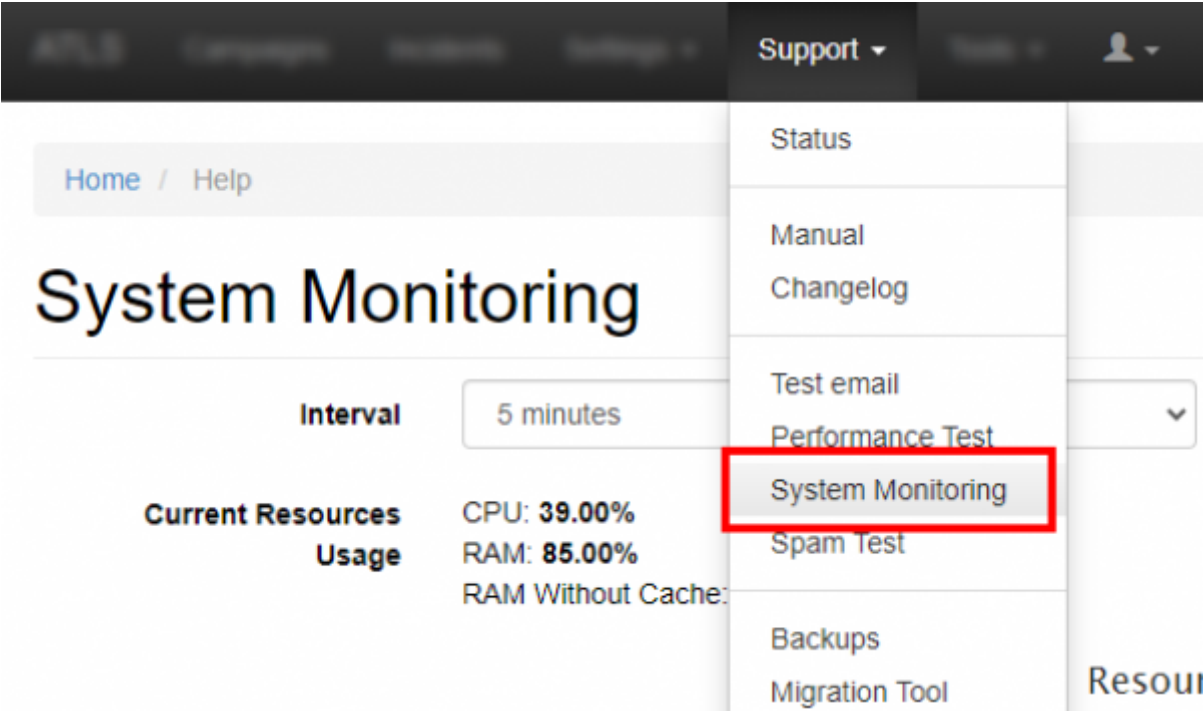

Once the test has finished, you can see the detailed report which will tell you, how many recipients your sever is able to handle within reasonable time frames.
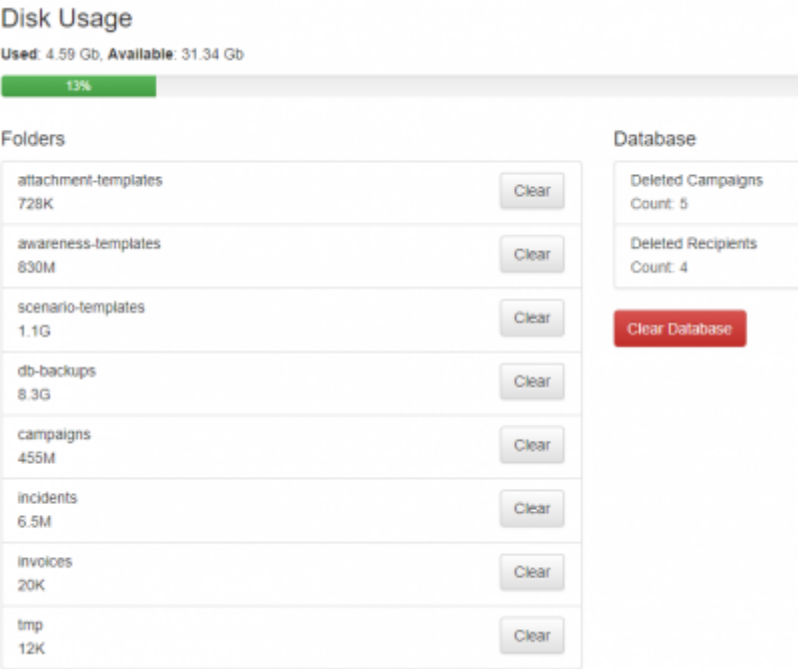
Home / Performance Test

Performance Test

▶ Start Test

The system with current configuration is able to safely handle:

- Hits: 47 — the maximum number of concurrent connections your server supports, keeping the response time within 15 seconds limit.
- Visitors: 78.33* — visitors at the same moment on the website, assuming that one user will perform 1 page load per 10 seconds, each page containing references to 5 static files (images, scripts and CSS files).
- Recipients: 4700* — recommended limit of recipients in all running campaigns at the same time, assuming that: you will send out emails to all recipients at once, they all will visit the landing page within 1 hour, each user will visit 3 landing pages containing references to 5 static files (images, scripts and CSS files). Setting up a delay between outgoing emails will increase this value - the more the delay, the more recipients your server can handle.

* — approximate calculated value, the limits of a real running campaign may differ from the numbers specified here.

Peak resources usage during tests:

- CPU: **100.00%**
- RAM: **94.87%**

Detailed Results

Hits	Visitors	Recipients	Response Time (sec.)
1	1.67	100	0.42
2	3.33	200	0.55
4	6.67	400	1.29
8	13.33	800	2.51
16	26.67	1600	5.26
32	53.33	3200	9.75
35	58.33	3500	10.07
38	63.33	3800	10.99
41	68.33	4100	11.85
44	73.33	4400	13.05
47	78.33	4700	14.94
50	83.33	5000	15.4

Response Time

Note: A test can run for more than 20 minutes - so be patient and don't use the LUCY server in this time period.

System Monitoring

Beside the performance test which allows you to verify that your hardware is sufficient for a planed campaign you can also monitor the hardware performance in real time under /admin/help/resources.

On the System Monitoring page you also can to clean up Lucy from unnecessary or unused data:

Please note that:

- cleaning templates, campaigns, etc. will delete all downloaded or created templates, campaigns, etc. and its files and related database records
- cleaning db-backups will delete all database backups from the Lucy server. It is a relatively safe action, because Lucy creates database backup daily
- Clear Database button will delete all campaigns and recipients that earlier have been deleted from the Lucy panel (in fact, deleting campaigns or recipients in the Lucy panel do not delete related database records, its only marked as 'deleted')

From:

Permanent link:
https://wiki.lucysecurity.com/doku.php?id=system_performance_monitoring&rev=1554121444

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