Load test report

git.forgeservicelab.fi

Author: Antti Koskinen

1. Service Under Test

Environment:PRODUCTION
URL: https://git.forgeservicelab.fi

Execution time: 5.2.2015 11:00 - 12:00

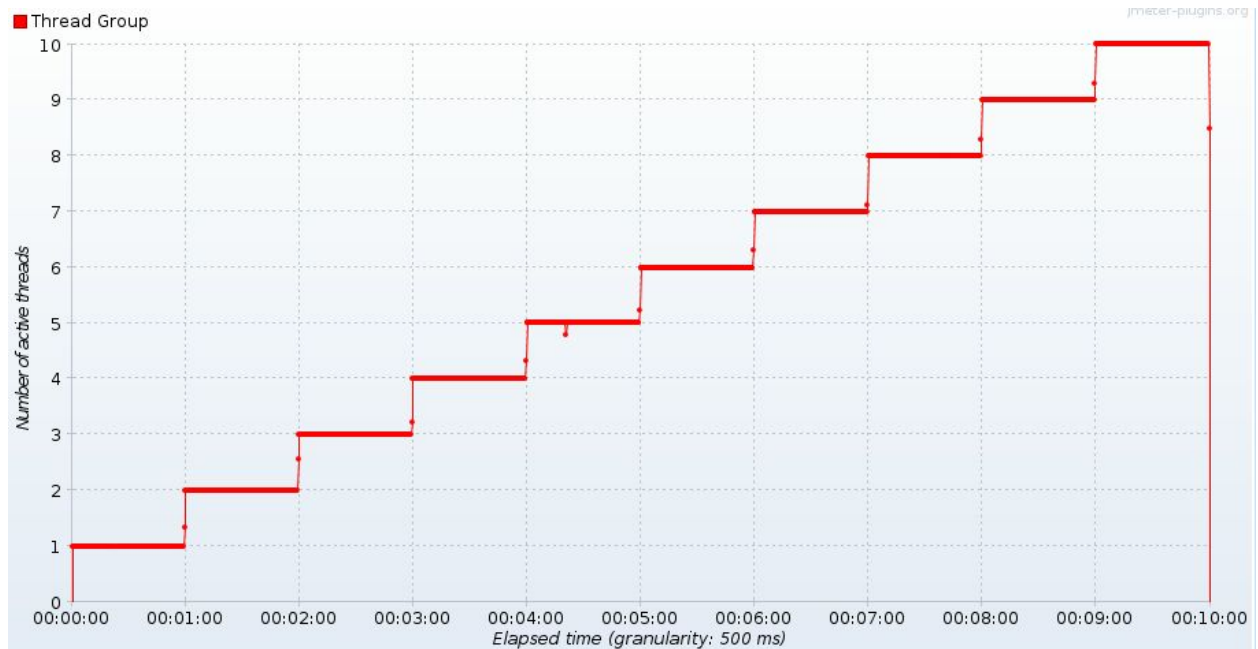# 2. Tested scenario

Use case: Anonymous browsing in git.
1. Go to git main page
2. Open public projects (explore)
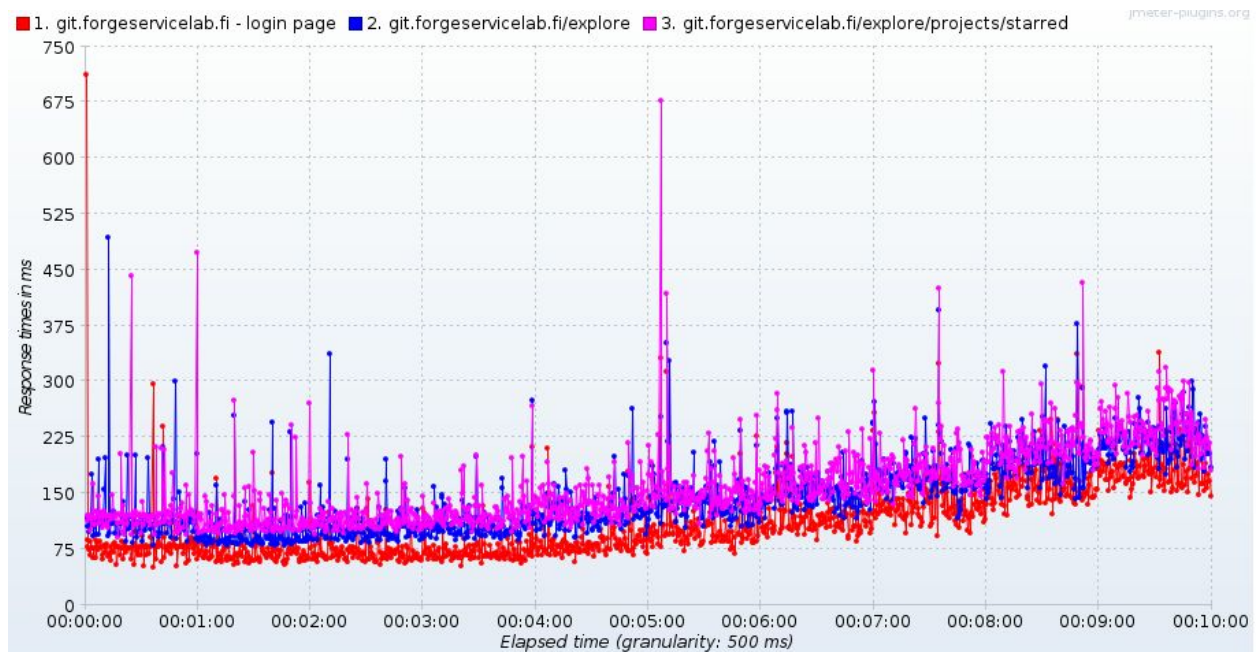3. Open the most starred public projects

Set up:

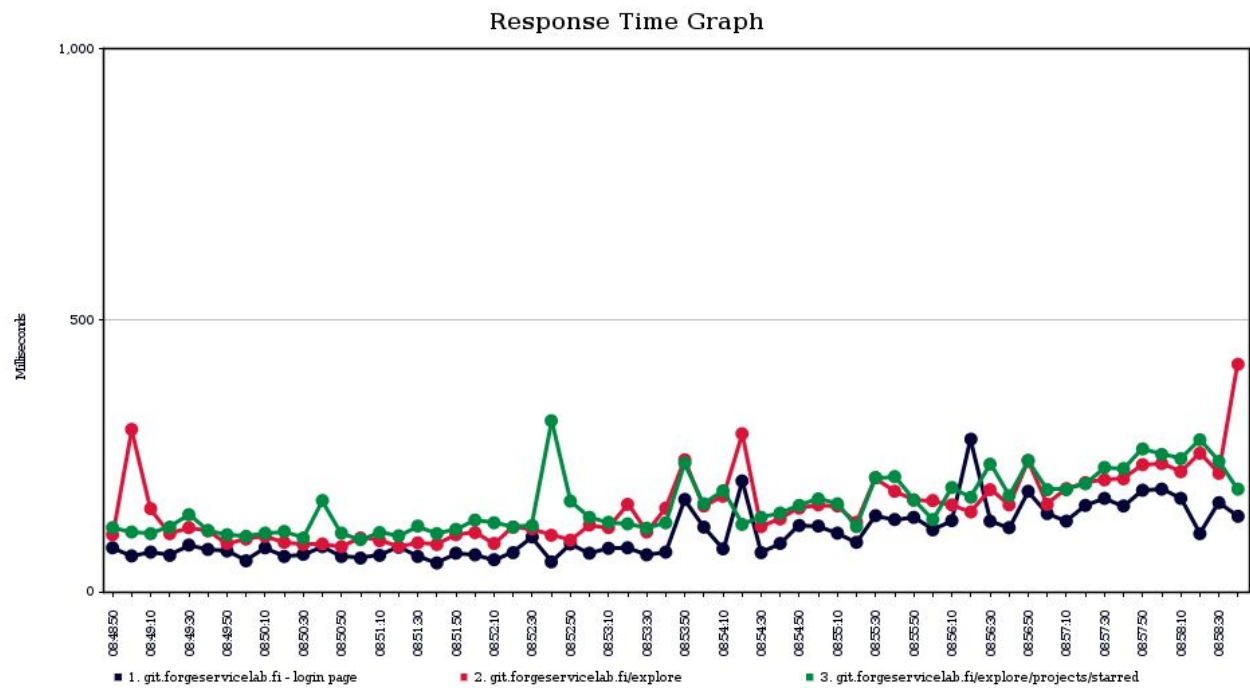| Test Plan	Max Virtual Users	Ramp up	Duration	Time between transactions
Anonymous browsing	10	60 s	10 min	0 s

3. Results

3.1 Number of users / time

3.2 Response time / time

3.3 Avg response time / time

Response Time Graph

Legend:
- 1. git.forgeservicelab.fi - login page
- 2. git.forgeservicelab.fi/explore
- 3. git.forgeservicelab.fi/explore/projects/starred

3.4 Transactions / time

Legend:
- 1. git.forgeservicelab.fi - login page (success)
- 2. git.forgeservicelab.fi/explore (success)
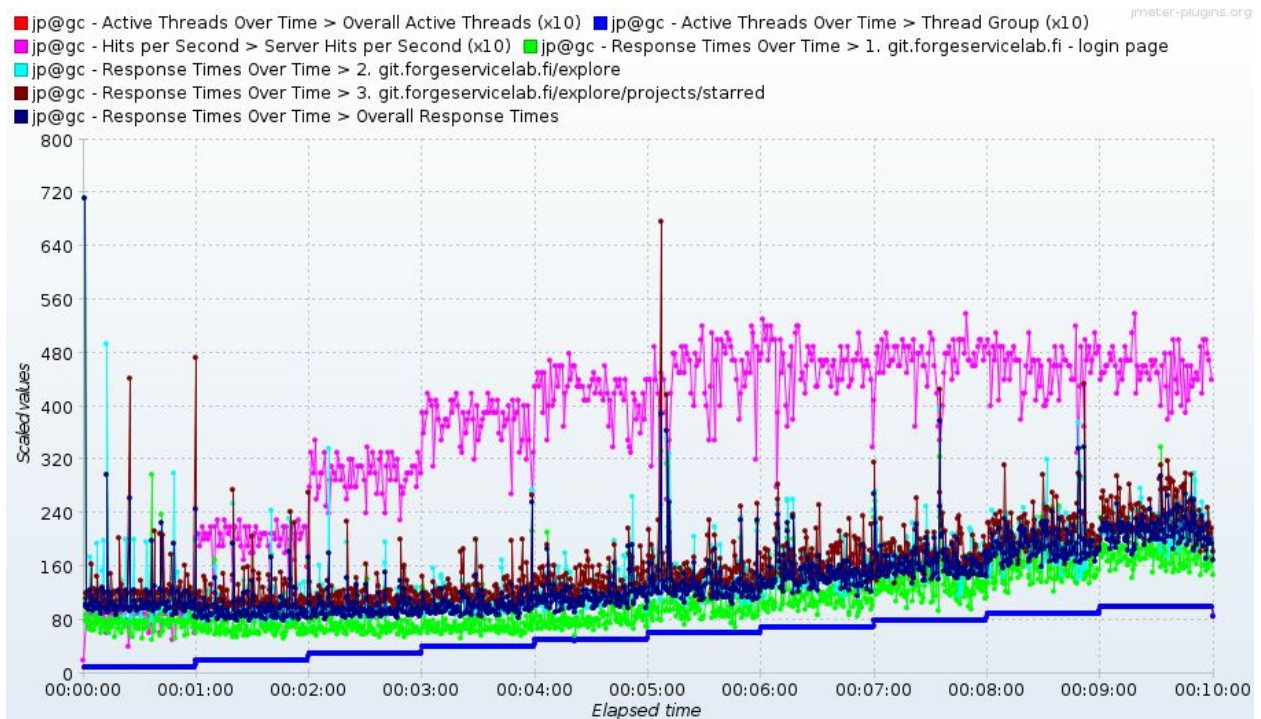- 3. git.forgeservicelab.fi/explore/projects/starred (success)

jmeter-plugins.org
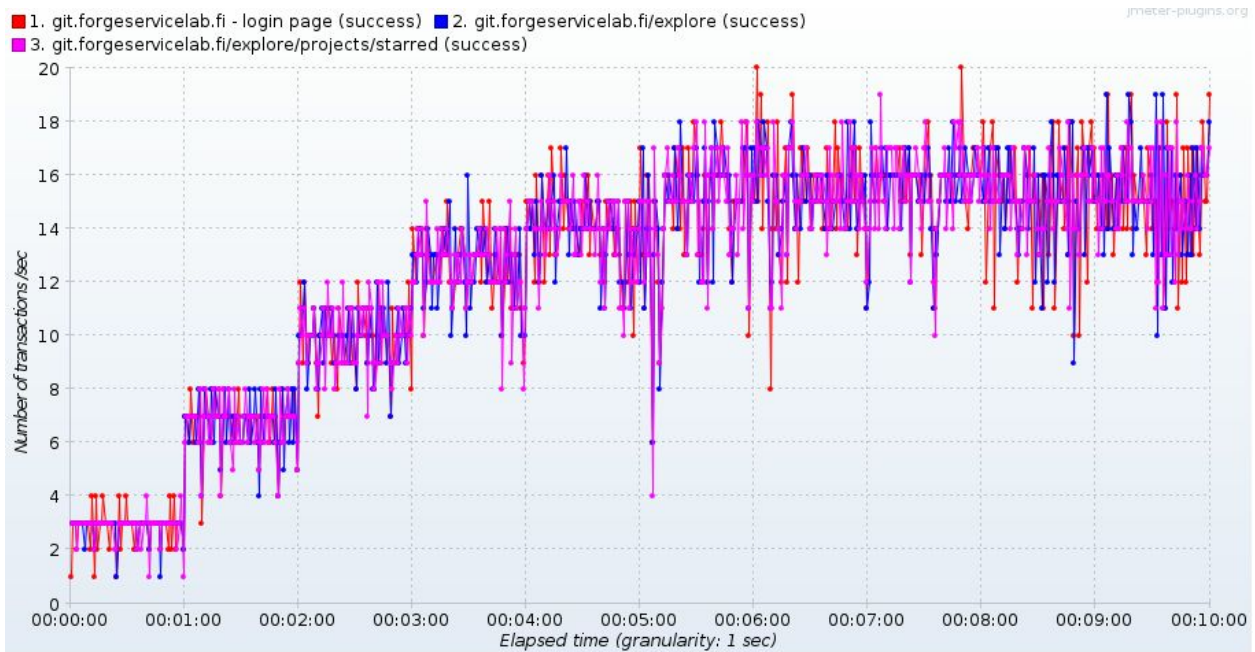
3.5 Hits / time
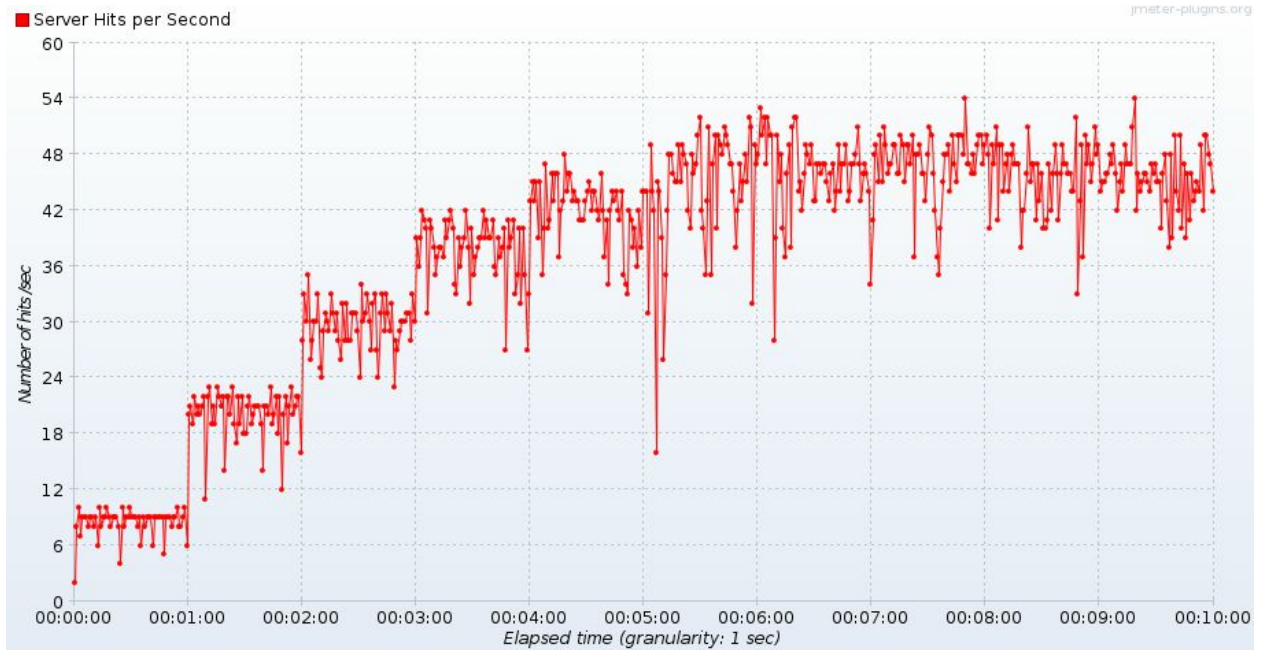
3.6 Composite graph

4. Conclusion

Based on the graphs above it seems that git.forgeservicelab.fi can easyly handle 10 simultaneous users. These simultaneous users didn't have any wait time between transactions so can multiply that with at least 10 for getting real user amount.

The server was capable of handling 15 transactions in second which generated almost 50 hits / second.This amount of hits was generated with 5 virtual users. After increasing users over that the response times started to slowly increase but there were no sign for server to stop responding or response times to go over allows ~2 seconds.

4.1 Next steps

Based on the results we can say that git.forgeservicelab.fi can handle the current amount of usage. We should analyze the current usage in more detailed level so that we can create a real life user scenario.