Danish Universities Easily Validates Digital Examination App with HPE StormRunner Load
Questions and Answers
December 6, 2016

The first two questions were my "seed" questions, ill answer them anyway.

Q: Whtat are the selling points if you as test manager need to convince management to do Performance test?

A: You have to adress the risc of crash, and or application stall's after deployment.

ROI in removing a few seconds on top, is a real and good reason to optimize but for some reason it do not carry well into the decision process.

With StormRunner also the variable licensing that only incur license cost for test that is really executed.

Q: What competencies to do you need for Scripting, execution and results analysis?
A:

Scripting: (not advanced) Development skills

Execution: tester, testmanager

Analysis: Testmanager coordinates a team from the supplier/development

DBA / Application manager / Network / Developer

Q: Is the load of 300.000 spread out over the whole year, or is it only in a limited timeframe?
A: It is spread out with higher load at chrismas and summer

Q: Can you download results from Stormrunner to Analysis?
A: Yes, also log files

Q: Did you monitor the backend hardware during the load test execution? If yes, what tools did you use and how did you integrate those tools with SRL?
A: No we did not. There is a monitoring solution for StormRunner but we did not use it.

Q: Who ordered the performance test? The supplier or the university?
A: The University ordered the test.

And this is as it should be as this is a QA activity on behalf of the customer.

This was not part of the development process, but a validation prior to deployment.

In the end errors were found and fixed. And the tested was planned to run on two seperate occasions 2 weeks apart as it was expected that there would be errors. (There is allways something)

Q: How did you generate/manage test data for this application?
A: A 6th "test university" was created on the production system. Using (anonumized) real data from one of the universities.

For download a number of .pdf files of different sizes were created, and in the script the distribution of sizes was coded to emulate the distribution on the production system.

Q: How were the licenses costs?
A: ~1000$ pr testrun

Q: Can you decide bandwidth and latency for the location you like to test?
A: NV (/Shunra) was not used in the test.

The distribution of filesizes in the download part was very important as even small differences in the filesizes would have big impact on the testresult and the demand for bandwith.

Q: Can you repeat the price for the test?
A: Besides the license cost the deffelopment cost for the test was around ~10.000$ including:

- The consulant (me)

- The suppliers timespend

- The timespend in the universities