

Tussentijds opvolgingsformulier Bachelorproef 2017-2018

Bachelorproef: Utilize Docker container and Selenium Grid technology to improve resource efficiency in the runtime of a Software Deployment & Testing Framework (SDTF).

Bedrijf: VASCO Data Security

Student: Arno Willaert

Promotor: Phaedra Degreef

Bedrijfspromotor: Christopher Forbes

Opleiding: Electronica-ICT: netwerken systemen en security

Periode (weeknr. volgens agenda): 12

Gerealiseerd vorige week:

Monday:

- Finished up the tracefile parser
- Ran into another issue with the tracefile parser:
 - When a test case starts to run, it reconfigures IAS to log all operations in a tracefile specific to that test case. IAS can only log to one trace file at a time, so when several test cases are executed concurrently, IAS logs all trace output to the trace file set up by the latest starting test case. Hence, the test cases that didn't finish before the last test case started up see only a truncated trace file and the last test case that started up has to filter out the trace output of the test cases started before it that didn't finish in time.
- Two possible workarounds were proposed:
 - Just log everything in one tracefile
 - Don't use 2 processes, but use multithreading, joining threads each time the tracefile needs to be read

Tuesday:

- Labour Day

Wednesday:

- Explore the possibility to solve parallelization using multithreading

Thursday:

- In the weekly meeting, I brought up introducing multithreading, which sparked a discussion about the nature of the parallelization
- The time cost of the options listed under Monday were considered, and another solution was proposed:
 - Just get rid of the tracefile validation and see if it works that way, and go from there. Maybe move it to a separate suite.

Friday:

- Experienced a couple of hang-ups with my setup that delay me quite a bit
- Removed the tracefile validation from the create users suite
- Successfully ran the create users suite against firefox and chrome in parallel. (without tracefile validation)

Doelstellingen voor de volgende week:

- Still need to fix the cleanup step
- Have a meeting to discuss different approaches to parallelization
- Discuss priorities as I start to wrap up my work
- Write on thesis (probably Friday)

Opmerkingen bedrijfspromotor:

Opmerkingen hogeschoolpromotor: