

Tussentijds opvolgingsformulier Bachelorproef 2017-2018

Bachelorproef: Migrating a Software Deployment & Testing Framework (SDTF) to a microservice architecture via Docker.

Bedrijf: VASCO Data Security

Student: Arno Willaert

Promotor: Phaedra Degreef

Bedrijfspromotor: Christopher Forbes

Opleiding: Electronica-ICT: netwerken systemen en security

Periode (weeknr. volgens agenda): 2

Gerealiseerd vorige week:

- Made a docker compose file for selenium grid
 - Now works with google chrome and firefox as nodes
- Get SDTF in a container and make it do a small test to see if it can communicate to the selenium nodes using the hub
- Create a docker compose file that starts SDTF and Selenium grid
 - Works, but the SDTF container copies the files needed to install the SDTF from the host filesystem, and then installs it. This works but doesn't make much sense if the end goal is deploying it remotely.
- See if I can get an internet explorer in a selenium node container and get that in the grid => Failed
 - This proves to be very challenging as the base image for a node is based on Linux, and IE was never ported to Linux. Furthermore, the container image needs to be based on the same OS as the host machine, so that would give difficulties running a Microsoft container as well.
 - Therefore I propose to move this to stretch goals.
- See if I can get the same images running on my laptop running windows 7 => Failed (or rather pushed back)
 - This proved to be more complicated than I had anticipated, so I moved on to tasks that had higher priority

- Opstartverslag maken => Failed, moved to next week
 - I did make a first draft to work with during the meeting on Monday though.
- Weekly report => done
- I found a way to look at what's going on in a Selenium node, using debug nodes and a vnc client.

Doelstellingen voor de volgende week:

- Further finalize the thesis proposal (opstartverslag)
 - Deadline: 9 March, before midnight
- Make some kind of work breakdown schedule
- Look into other possibilities to get SDTF installed inside a container without copying files from the host filesystem.
- Document if the webadmin suite works and how to make it work if it doesn't.
- Gain insight in how the webadmin suite works
- Minor: mount a network drive on the Ubuntu machine I run the tests on (mainly for convenience)

Opmerkingen bedrijfspromotor:

Opmerkingen hogeschoolpromotor: