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): 4

Gerealiseerd vorige week:

Monday:
- Fixed the sdtf/activate-sdtf script to correctly set a variable to allow STAFProc to run, which was a failure point in the setup of the webadmin suite
- Further worked on getting the webadmin suite to work
- Discovered that the install script for sdtf is indeed faulty in the container due to running commands with sudo, something the minimal Ubuntu can't do.

Tuesday:
- Got stalled on a problem: the webadmin suite tries to open firefox or chrome locally (in the container) to do some actions defined in the setup(), essential to run the test cases. It isn't able to do so due to problems with the webdriver.
- Tried some fixes on the webdriver, unsuccessfully.
- Wrote a document describing a set of test suites I am planning to implement.

Wednesday:
- Went to campus to get my thesis proposal signed
- Concluded that figuring out a workaround on the webdriver issue is probably a better idea then keep struggling to make it work.

- Proposed workaround: use a selenium node to do the operations in the setup(), instead of trying to get chrome to do it locally.
- Threw out some code in administration.py related to windows and replaced the Linux part with code that points to the selenium grid.
  - It kind of worked, as it did open the browser and did a number of operations, but then it just stalled at some point.

Thursday:
- Attended the job fair at campus

Friday:
- Discovered there had been a power outage the other day, wich incorrectly stopped the Linux machine running the containers. And apparently when a container stops this way, it just gets lost. So I lost a lot of progress here.
- Spend the rest of the day recovering, using my notes to get back to where I was.
  - During this, I started on a new document listing the changes necessary to make webadmin work, in a much more orderly fashion then my daily logs.

Doelstellingen voor de volgende week:
- Further recover from the power outage
- Further work on getting WebAdmin test suite to work in the container.
  - Like, really get there this week. I think I should be able to get there now.
- Once that is done, make a new Docker image where WebAdmin works from the when you spin up the container.
- Maybe commit my changes to the code to the GitLab repo.

Opmerkingen bedrijfspromotor:

- OK, it's a shame about the power outage.
- You need to be proactive to ensure that such a situation doesn't impact your efforts, or result in lost work.
- You should try and sync. Your weekly effort with an update of your Planning document.
- Also you should set up a meeting to discuss the content of the Planning document. Can you please do this for next week, Thrusday or Friday.

Opmerkingen hogeschoolpromotor: