

## Tussentijds opvolgingsformulier Bachelorproef 2017-2018

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**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): 3**

**Gerealiseerd vorige week:**

Monday:

- Worked on thesis proposal (opstartverslag)
- Had the meeting between Phaedra Degreef, Chris Forbes and me to discuss the thesis proposal
- Made a report about the meeting and adjusted the thesis proposal
- Attended a class about presentation skills

Tuesday:

- Presented my thesis proposal to the QA team
- Created a Docker image that comes with SDTF actually installed instead of just having it install the SDTF when the container is run
- Discussed advantages and drawbacks on this

Wednesday:

- Made a kind of work breakdown structure style planning
- Installed a selenium node with only IE on a separate windows machine

Thursday:

- Did some administrative work to start out the day
- Tested if the Selenium grid can handle the test from the WebAdmin test suite
  - I ran the tests on a windows TCH, and not from within a container
  - They were successful, but crashed after a while (known issue)
  - Documented the changes necessary to make this work
- I got started on trying to replicate this in the SDTF container but ran into issues because the GitLab branch with the Linux port which I run in the container has a couple of significant differences to the main branch run on the TCH.
  - First thought about merging master to Linux-port, but this proved too unwieldy, so I just chose to live with it
  - The part of the code that needed to be changed is located in `webadmin_suite.py` instead of `utils.py`, for the record
- So I attempted to change the code there and run it but I ran in an error.

Friday:

- Started on root causing the error message we ran into yesterday
- Concluded that STAF was not starting correctly so I tried re-installing STAF
  - That didn't fix it though, so that wasn't it
- Turns out that STAF was in fact installed correctly, but there was a variable (`LD_LIBRARY_PATH`) that didn't get initialized when running the SDTF activate script because part of the code was commented out.
  - When uncommented we can in fact run STAFProc in the virtual environment.

**Doelstellingen voor de volgende week:**

- Get the thesis proposal signed.
- Further work on getting WebAdmin test suite to work in the container.
- 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 – Productive week.



**Opmerkingen hogeschoolpromotor:**