First assignment: Create test environment with Virtualbox VM’s on platforms:

* **LAMP stack**: **L**inux (CentOS 7 of Fedora Server) + **A**pache + **M**ariaDB + **P**HP
* **WISA stack**: **W**indows Server 2016 + **I**IS + **S**QLServer (of eventueel MySQL) + **A**SP.NET

Requirements

* Easily create the test environment with backend
  + Drupal for LAMP
  + Open source ASP.NET application for WISA
* Reproducible and automatic installationproces of test environment
* Reusability
  + Scripts useable on different environments:
    - On the VM and on a public/private cloud platform
    - ***This just means your scripts can’t be hardcoded completely, when you write them for the VM you will understand***
  + Settings for applications are configurable
    - ***Means don’t set hard coded values, this probably means names of databases, names of webservers and websites etc.***
  + DIVISION between installationscript for platform and for webapplication
    - ***This means that you have two separate scripts, one that is completely automatic in configuring the “platform” AKA the OS and a script with user input for the web application and stuff***
* 1 proof of concept with public cloud platform
  + ***We will use DigitalOcean and on that the Linux LAMP webserver. Trust me, this will be the easiest for us (because I will do it since I have done it before)***

Assignment 2: Local SAP-development environment

Install SAP Netweaver ABAP Application Server developer edition on Linux VM in Virtualbox. Automate this installation process & document when it can’t be automated. Also create a guide for developers on how to use this virtual SAP server.

Requirements:

* Proof-of-concept of such a VM
* Installation is where possible automate, and all of it is documented.
* Make the script so that it remains useable in the future when new versions of tools etc are used
* Make a guide for:
  + Technical guide for setting up the development environment
  + User manual for ABAP-developer on how to work with the environment