# Homework M5: Jenkins

## Assignment

With the help of the tools studied so far, try to create an environment like the one used during the third part of the module, but this time with the following components:

* **Jenkins** master node;
* **Jenkins** slave node with **Docker** installed;

You are expected to:

* Create a simple **Dockerfile** (similar to the one used during the practice);
* Publish it together with all accompanying files in **GitHub**;
* Create a project in **Jenkins** to
  + Check-in the **GitHub** repository;
  + Build the **Docker** image out of the **Dockerfile**;
  + Run a container based on the image;
* The web service on the container should be available and reachable on the host;

The project has to be configured to build on the slave

Try to avoid any manual tasks to the extent possible