# Homework M5: HashiCorp Tools

Main goal is to build further on what was demonstrated during the practice

## Tasks

Back in module #3 (M3), we had a project that built a set of two container images:

* Project: <https://github.com/shekeriev/two-docker-images>
* Image 1: <https://hub.docker.com/repository/docker/shekeriev/dob-w3-php>
* Image 2: <https://hub.docker.com/repository/docker/shekeriev/dob-w3-mysql>

This homework assignment consists of the following two tasks:

1. Create a three-node (three virtual machines) Nomad cluster with every node acting both as server and client. You should strive to achieve the maximum possible degree of automation
2. Deploy a small containerized application on a Nomad cluster (it can be on the one built in the previous task or another one, even simpler, with just one node) by using the two images. You must provide the containers with connectivity, mount the PHP file (index.php) and set a database password (check the files in the project)

Please note that you can do either one of the tasks or both. Whichever you choose, your submission will be accepted, and you will be eligible to receive the corresponding amount of homework points

## Proof

Prepare a document that show what you accomplished and how you did it. It can include (not limited to):

1. The commands you used to achieve the above tasks
2. Any configuration files produced while solving the tasks
3. A few pictures showing intermediary steps or results