

# Lab 4 – Building Images

## Task – Build an image from a Docker file

### Prerequisites:

- An Ubuntu 20.04 VM with docker installed and HTTP traffic enabled on port 80.

### Steps:

- 1) Connect to the provided Ubuntu 20.04 Virtual Machine.
- 2) Run a container from the image agray998/qa-docker-ex-04:latest - make sure to publish container port 5000 to VM port 80 - curling localhost or navigating to the VM in the browser should then show the data contained in the default database.
- 3) Stop and remove this container.
- 4) Clone this repository onto an Ubuntu 20.04 VM with Docker installed and configured.
- 5) Edit the Docker file and add an ENV directive which assigns the value 'test' to a variable called 'DATABASE'.
- 6) Rebuild the image from the modified Docker file and run a new container based on the modified image.
- 7) Check the data returned by the container again – the app should now be reading from the second dataset, contained in the test database.
- 8) Clean up: stop and remove the new container and remove all images.