

Lab 5 – Docker Networks

Task – Launch two containers on the same network and make requests between them

Prerequisites:

- An Ubuntu 20.04 VM with docker installed.

Steps:

- 1) Connect to the provided Ubuntu 20.04 Virtual Machine.
- 2) Create a new network called ex05: 'docker network create ex05'.
- 3) Launch a containerised NGINX server on the network you just created: 'docker run -d --network ex05 --name nginx nginx:alpine'.
- 4) Launch an interactive Ubuntu container on the same network: 'docker run -d -it --network ex05 --name ubuntu ubuntu:latest /bin/bash'.
- 5) In the Ubuntu container, install curl and attempt to connect to the NGINX container:

```
apt update && apt install curl
<output omitted>
curl nginx
<output omitted>
```

- 6) Exit the Ubuntu container.
- 7) To clean-up: 'docker stop nginx && docker rm nginx ubuntu; docker rmi nginx:alpine ubuntu:latest'.