Module 9 – Registries: Lab

# Lab Objectives

Creating a Registry

Uploading an image to the Registry

Downloading an image from the registry

1. Create a Registry

1. Start by creating the Registry and make sure that the port 5000 has been published, you may use the command shown previously in this document for this.

2. Upload an image to the Registry

1. To upload an image to the Registry, we first need one that has been tagged appropriately. Start by pulling an NGINX down and then retagging it to be **localhost:5000/my/nginx**.
2. Once you have retagged the image, use the **docker push** command to push the image to the Registry that you have created.

3. Download an image from the Registry

1. Delete the NGINX images, both yours (**localhost:5000/my/nginx**) and the official (**nginx**) NGINX image.
2. Now we can run a **docker pull** command to prove that the image has been stored in the Registry that we deployed, remember to pull you docker image as **localhost:5000/my/nginx**.

4. Finish up

1. Stop and remove all containers, remove all the images.
2. Try create a shell script that can pull down a project from GitHub, build the Docker image and push it to the registry.