

L03-04 - Docker – Containers - Exercise

3 – Running Private Registry

Working with a Docker registry.

Step 1

Run a Docker registry from an official Registry image

Pull a recent version of the Centos Linux container

```
docker pull registry:2
```

Run the registry in a new Docker container. Expose port 5000

```
docker run -d -p 5000:5000 --restart=always --name registry registry:2
```

Step 2

Pull another image and store it in the local Registry

Pull a new image from Docker hub

```
docker pull ubuntu
```

Tag the image for the local registry

```
docker tag ubuntu localhost:5000/ubuntu
```

Push the image to the local Registry

```
docker push localhost:5000/ubuntu
```

Remove the image from the local cache

```
docker rmi ubuntu
```

Confirm it has been removed

```
docker images
```

Step 3

Pull the image from the local registry

```
docker pull localhost:5000/ubuntu
```

Confirm it is in the local cache

```
docker images
```

Run the new image

```
docker run -it --rm localhost:5000/ubuntu /bin/bash
```

Exit the container

```
exit
```

Step 4

Clean up artifacts from the lab

```
docker rm -f $(docker ps -aq)
```

```
docker rmi $(docker images -q)
```

Exit the SSH session.

```
exit
```

Make sure that you stop the VM so that you don't incur costs.