**DevOps lab 2.3: Docker Registry**

Working with a Docker registry

**Step 1**

Go to the Cloud Platform Console at [https://console.cloud.google.com](https://console.cloud.google.com/). Go to Compute Engine and VM Instances. Start the VM if it isn’t running, and connect using SSH.

**Step 2**

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 3**

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 4**

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 5**

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.