Module 2 – Containers: Lab

# Lab Objectives

Run a container

Access container files

Stop and remove containers

1. Run a Jenkins container

1. Run a Jenkins container
   1. Docker pull Jenkins
   2. Docker run –name Jenkins\_test –d Jenkins
2. Name the Jenkins container: “**jenkins**”
3. View the logs of the Jenkins container
   1. Docker logs

2. Access container files

1. Show the contents of the **/etc/passwd** file in the Jenkins container
   1. Docker exec Jenkins\_test cat /etc/passwd
2. Copy the **/etc/passwd** from the Jenkins container to anywhere on your machine
   1. Docker cp Jenkins\_test:/etc/passwd ~/Jenkins\_stuff.txt

3. Run an NGINX container

1. Run an NGINX container, forward port 80 on the container to 80 on the host machine
   1. Docker pull nginx
   2. Docker run –p 80:80 –d –name nginx\_test nginx
2. Access the NGINX service through a browser
   1. Open port 80 on vm first!

**4. Finish up**

1. Stop all the containers with one command

Docker stop $(docker ps –qa)

2. Remove all of the containers with one command