Module 10 – Bind Mounts: Lab

# Lab Objectives

Creating a Bind Mount

1. Create a Bind Mount

1. Create a new folder for this exercise ~/docker/bind\_mounts\_exercise
2. Create you NGINX configuration file. This file config file is going to be very simple, when you make a request to NGINX (running on port 80) just the word NGINX should be returned. In the config file add the following lines:

events {}

http {

server {

listen 80;

location / {

return 200 "NGINX";

}

}

}

1. Now override the default NGINX configuration file (/etc/nginx/nginx.conf) with the one that we created on the host machine. When creating your bind mount keep in mind the following:

* You will need to provide the full path of the config file on the host.
* NGINX runs on port 80, to access it outside the container, you will need to publish that port.
* If you are using the mount flag you need to provide the bind option.

If the Bind Mount was successful then when you make a request to the NGINX server, the word NGINX should be shown.

2. Finish up

1. Stop and remove all containers. The **/var/run/docker.sock** file is the socket file for communicating with the docker service.
2. Try to build a Jenkins image, with Docker installed and the ability to build images and run containers on the host machine.