Homework M4

1.

Vagrant file: <https://pastebin.com/gNucDAG2>

ansible.cfg:

[defaults]

host\_key\_checking = false

inventory = inventory

inventory file:

web ansible\_host=192.168.98.100 ansible\_user=vagrant ansible\_ssh\_pass=vagrant

playbook.yml: <https://pastebin.com/Uv7WwQRS>

Dockerfile:

FROM ubuntu

RUN apt-get update && apt-get install -y nginx

ENTRYPOINT ["/usr/sbin/nginx", "-g", "daemon off;"]

EXPOSE 80

The playbook is started on the ansible machine via `ansible-playbook playbook.yml`. When started a docker is installed on the web machine and a image and container are created from the Dockerfile.

2.

Vagrant file: <https://pastebin.com/r3aKHUSU>

Inventory file: <https://pastebin.com/pE8dDSBs>

Ansible.cfg:

[defaults]

host\_key\_checking = false

inventory = inventory

Playbok.yml: <https://pastebin.com/Qcg6cwJM>

After the three machines are created we need to log into the Ubuntu db server, because a change in the ‘/etc/ssh/sshd\_config’ file is required. If we don’t modify it the ansible host wont be able to connect to db via SSH:

sudo nano /etc/ssh/sshd\_config

PermitRootLogin prohibit-password to PermitRootLogin yes

PasswordAuthentication no to PasswordAuthentication yes

Also we need to restart the ssh service with the following command:

sudo service ssh restart

Now we can connect to the ansible host, navigate to the ‘ans’ folder and execute the playbook:

cd ans/

ansible-playbook playbook.yml