Lab 3 – Docker Containers

Task – Launch a container and use logs/exec to obtain information

Prerequisites:

- An Ubuntu 20.04 VM with Docker installed and HTTP traffic enabled on port 80.

Steps:

1) Connect to the provided Ubuntu 20.04 Virtual Machine.

2) Launch a containerised jenkins server: 'docker run -d -p 80:8080 --name jenkins jenkins/jenkins:lts'.

3) Navigate in your browser to http://<vm_public_ip> – you should see a prompt to enter the initial admin password for the server.

4) The initial admin password has been generated by the server. To find this information you can access the logs for the container:

```
docker logs jenkins
<output ommitted>
*************************************************************
*************************************************************
*************************************************************


Jenkins initial setup is required. An admin user has been created and a
password generated.
Please use the following password to proceed to installation:

361f7ca45ca448bca2f29576e481d767


This may also be found at: /var/jenkins_home/secrets/initialAdminPassword


*************************************************************
*************************************************************
*************************************************************
```

5) Alternatively, you can use docker exec to read the specified file where the password is saved: 'docker exec jenkins cat /var/jenkins_home/secrets/initialAdminPassword'.

6) Once you enter this initial admin password into the browser you should see the first stage of the setup process – you do **not** need to actually complete this setup.

7) To clean up: 'docker stop jenkins && docker rm jenkins; docker rmi jenkins/jenkins:lts'.