COM320 TryHackMe Lab – Containerisation and Docker

In computing terms, containerisation is the process of packaging an application and the necessary resources (such as libraries and packages) required into one package named a container. The process of packaging applications together makes applications considerably portable and hassle-free to run.

Modern applications are often complex and usually depend on frameworks and libraries being installed on a device before the application can run. These dependencies can:

- Be difficult to install depending on the environment the application is running (some operating systems might not even support them!)
- Create difficulty for developers to diagnose and replicate faults, as it could be a problem with the application's environment - not the application itself!
- Can often conflict with each other. For example, having multiple versions of Python to run different applications is a headache for the user, and an application may work with one version of Python and not another.

Containerisation platforms remove this headache by packaging the dependencies together and "isolating" the application's environment.

This room will introduce containers and in particular - Docker containers.

Instructions

1. Visit https://tryhackme.com/room/introtocontainerisation and complete the Introduction to containerisation.

Walkthrough video: https://www.youtube.com/watch?v=qZ2rZA7vDEc

2. Visit https://tryhackme.com/room/introtodockerk8pdqk and complete the Docker introduction.

Walkthrough 'What is the flag': https://www.youtube.com/watch?v=RJ4f_O13_44