Docker

What is Docker?

Docker is a containerization tools which developed by GO programming language.

Components of Docker

- Containers
- Images
- Dockerfile
- Volume
- Registry
- Compose
- Swarm

Why docker?

- Eliminate Friction in development lifecycle
- Easily Adapt to your working Environment
- Make the powerful simple.
- Mass innovation

Docker Images

- It is read only copy.

Docker Container

- When you run a image to make that read & write then it will spin up a container.

Benefits of Docker over VM

- VM is Hardware level virtualization.
- Docker is Software level virtualization.

Optimising the Docker File

- Run single process per container
- Containers should be ephemeral
- Use a dockerignore file
- Use official images from Docker Hub instead of writting your own from scratch
- Finally, minimum the number of layer of your images and take advantages of image cache