Docker

Docker image contains project code,git,python and required software

docker image can simply be created by docker file(docker file can create image for ubuntu

docker file is a set of code for required software(ubuntu machin,pyrhon,pip,webserver,script for deployment)

**Benifits of docker n container**

Simplicity:it removes a level of complexity from hardware management

Speed: Docker containers share the kernel of the un-deploying host os

Interoperability: We can link multiple Docker container or service to create multi-threaded application

Portability: No dependency on os and hardware.

Density: Docker container provides alight weight runtime environment for application, which can lead to increased application density per host. Docker works on micro-service architecture.

**Docker Architecture**

It follows client-server architecture

There is 3 parts in this architecture

* Client
* Docker host
* Registry

Docker client provides a command-line interface

Docker demon has 2 responsibilities

1. Manage Container
2. Manage Images