

# Docker

Docker is a platform for developing, shipping and running applications using container based Virtualization technique.

## Docker Engine

Its a client-server application with these major components.

A Server which is a type of long-running program called a daemon process.

A REST API which specifies interfaces that program can use to talk to the daemon and instruct it what to do.

Docker Hub – Repository of images just like Maven is repository of libraries

JDK 1.8, Tomcat 8(On 8080), JDK 1.7 Tomcat 7(On 8080)

Docker  
Host OS  
Server

Docker sits on top of Host OS. We can run multiple containers on Docker.

Docker for DEVOPS is like MAVEN for Java

## What is Docker platform ?

Docker provides the ability to package and run an application in a loosely isolated environment called a container. This isolation and security allow you to run many containers simultaneously on a given host.

## Summary

Simple and Easily Configurable

Easy to Develop on

Faster release cycles

Faster deployment times

Reduced bloat as compared to other virtualisation techniques

Consistent development of software across all environments