Dockers - Quick Start

A short-guide focused on implementing custom Dockerfiles

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1. What is a Docker?

- Docker is an **eco-system** to allow us to **configure**, **deploy** and **run applications** on production systems.
  - *eg. Apache Tomcat Web Server + Java Enterprise Application*

- As a **tool helps** engineers to **easily run applications locally**.
  - *eg. Oracle Database Express Edition for local development*

2. Comparison to VMs

- Comparison between Docker Engine and Hypervisors (Hyper-V, ESXi, VBox,..)

- You can run limited N instances of VMs

  vs.

- Very high number V of Docker Containers

VIRTUAL BOX	DOCKER ENGINE
Split Hardware Virtually	Spawn in Shared Kernel
VM 1 + Guest OS	Docker Container 1
VM 2 + Guest OS	Docker Container 2
VM 3 + Guest OS	Docker Container 3
VM N + Guest OS	Docker Container V