

# DOCKER INTRODUCTION TO TESTERS



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# AGENDA

History

What are Containers

Introduction To Docker

Docker Terminology

Uses of Docker in real world And in Testing

Demo's

Q & A

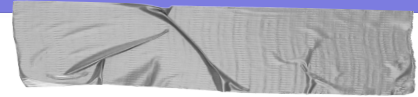


# 1. History

- **Linux Jails**  
An isolated Process
- **Cgroups**  
Control what a process can use
- **Namespace**  
Controls what a process can see
- **Chroot**  
Help to isolate and provide root permission to a process

# WHAT ARE CONTAINERS?

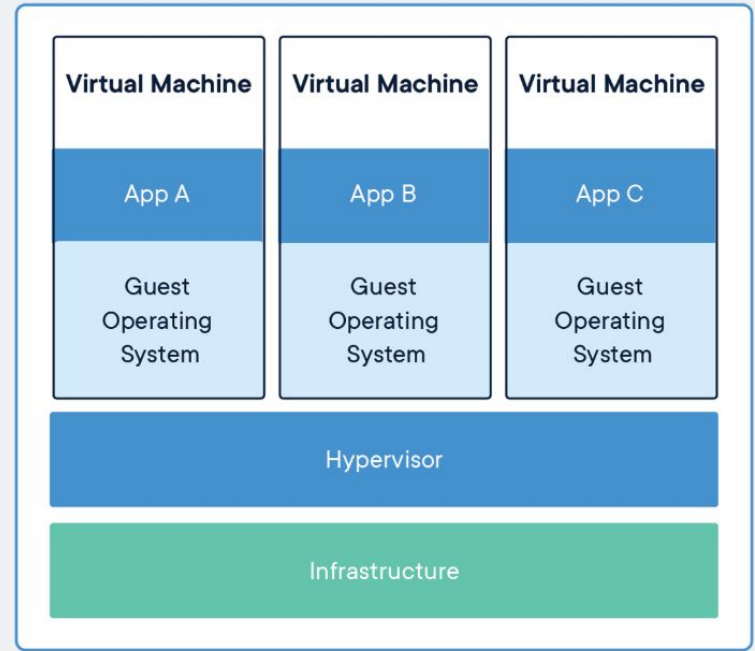
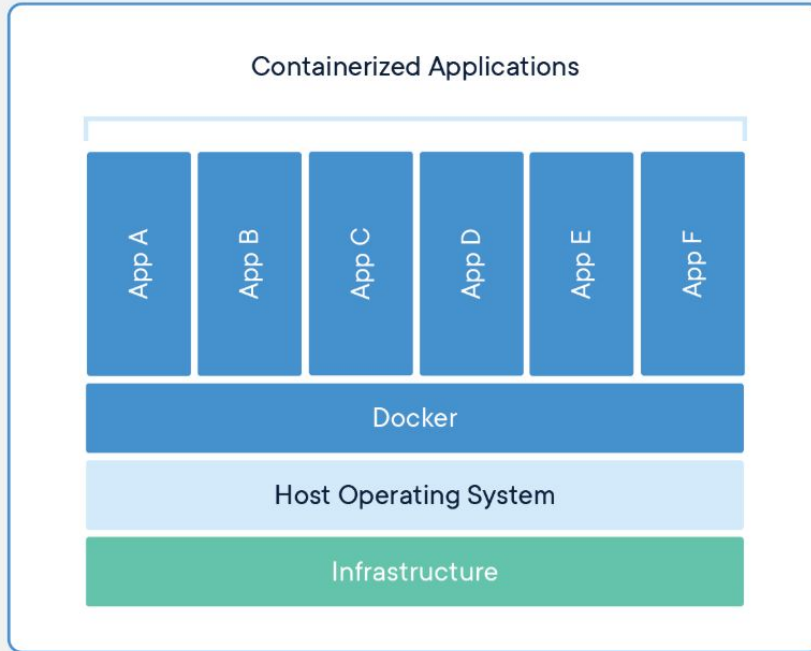
IN SHORT, CONTAINER IS JUST ANOTHER PROCESS RUNNING IN YOUR COMPUTER



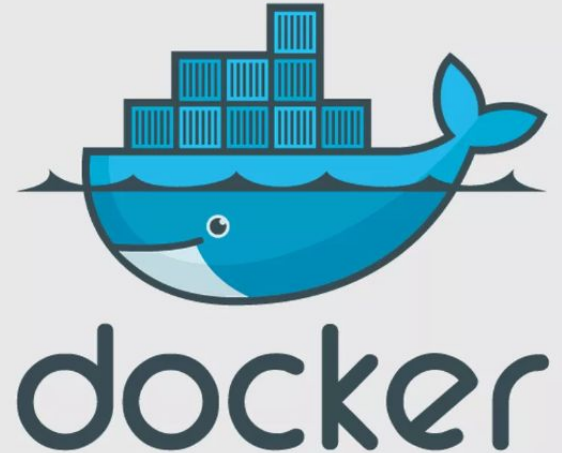
## Definition:

A container is a standard unit of software that packages up code and all its dependencies so the application runs quickly and reliably from one computing environment to another. A Docker container image is a lightweight, standalone, executable package of software that includes everything needed to run an application: code, runtime, system tools, system libraries and settings.

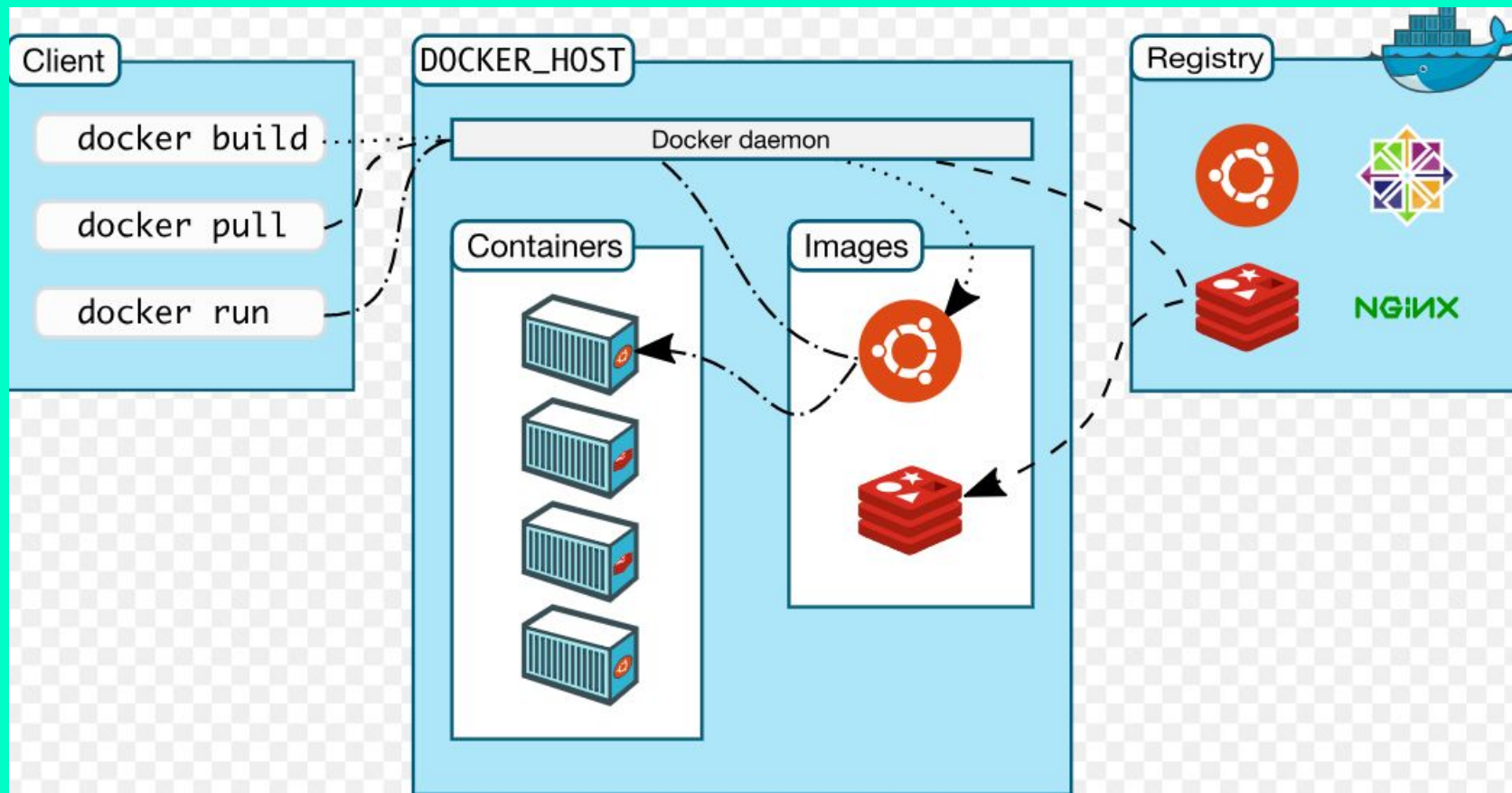
# CONTAINERS ARE NOT VM !



# Introduction To Docker



# Docker Architecture



# DOCKER TERMINOLOGY

## **Image**

- Saved Instance
- Class
- Where we save our Work and share

## **Containers**

- Running Instance
- Object created from Image
- Where we run our work, runtime entity





# Well, Enough! Tell me How Can Tester Use It?

Platform Testing?

Browser Testing?

Configuration testing

# Using Docker

Getting Started

Docker Installation

Docker Hub Introduction

Pulling and running existed image

*Story for illustration purposes only*

Getting Started :

<https://www.linkedin.com/pulse/beginner-guide-start-docker-running-vnc-enabled-ubuntu-anand-bhagwat/>

Running Full fledge VM:

<https://www.linkedin.com/feed/update/urn:li:activity:6454466297286746112>

Selenium Grid :

<https://www.linkedin.com/feed/update/urn:li:activity:6453352362953236480>

Docker Hub

:<https://hub.docker.com/>

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DEMO

Q & A

# THANK YOU

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