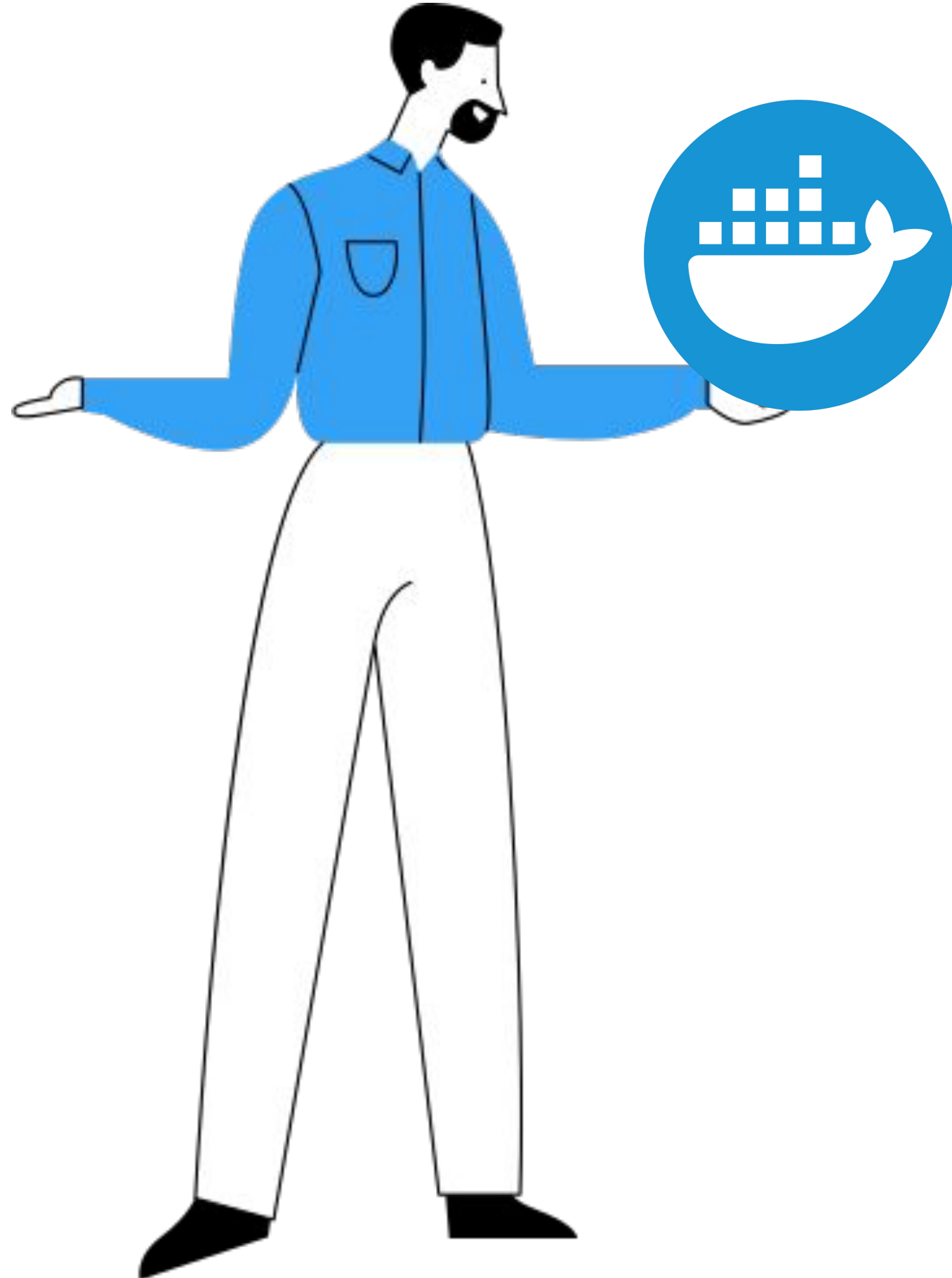


Nov 17, 2024



Docker For DevOps

Md. Amdadul Bari
Technical Lead, DevOps

Agenda

Introduction to Docker

Key Benefits of Docker

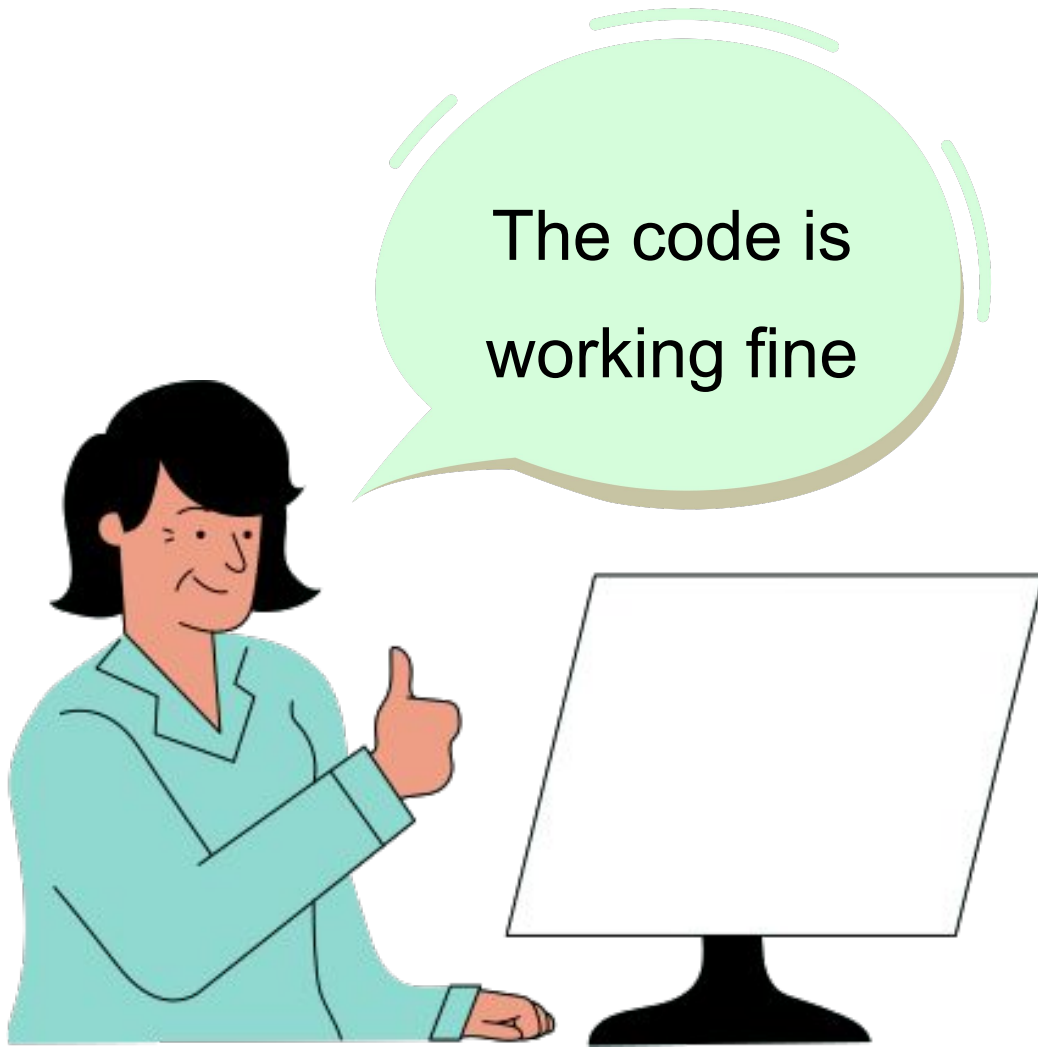
Docker Components and Architecture

Installing Docker

Conclusion




Problem Statement



The code is
working fine

Developer


Problem Statement



The code is
working fine

A cartoon illustration of a woman with short black hair, wearing a teal shirt, sitting at a desk with a computer monitor. She is giving a thumbs up gesture.

Developer




Doesn't work
on my machine

A cartoon illustration of a man with curly brown hair, wearing a blue and black striped shirt, looking frustrated with his hand on his forehead and a tear on his cheek.


Tester

Problem Statement




The code is
working fine

Developer



Doesn't work
on my machine

Tester



!?!...!~?%\$\$\$

DevOps

Solution?

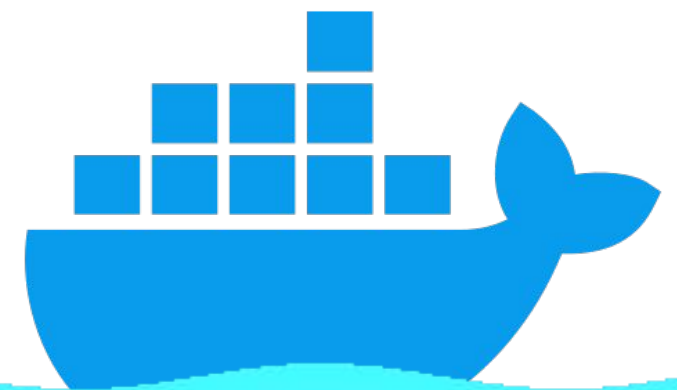


Docker is the solution

WHAT IS DOCKER?

Introduction

A platform for developing, shipping, and running applications.

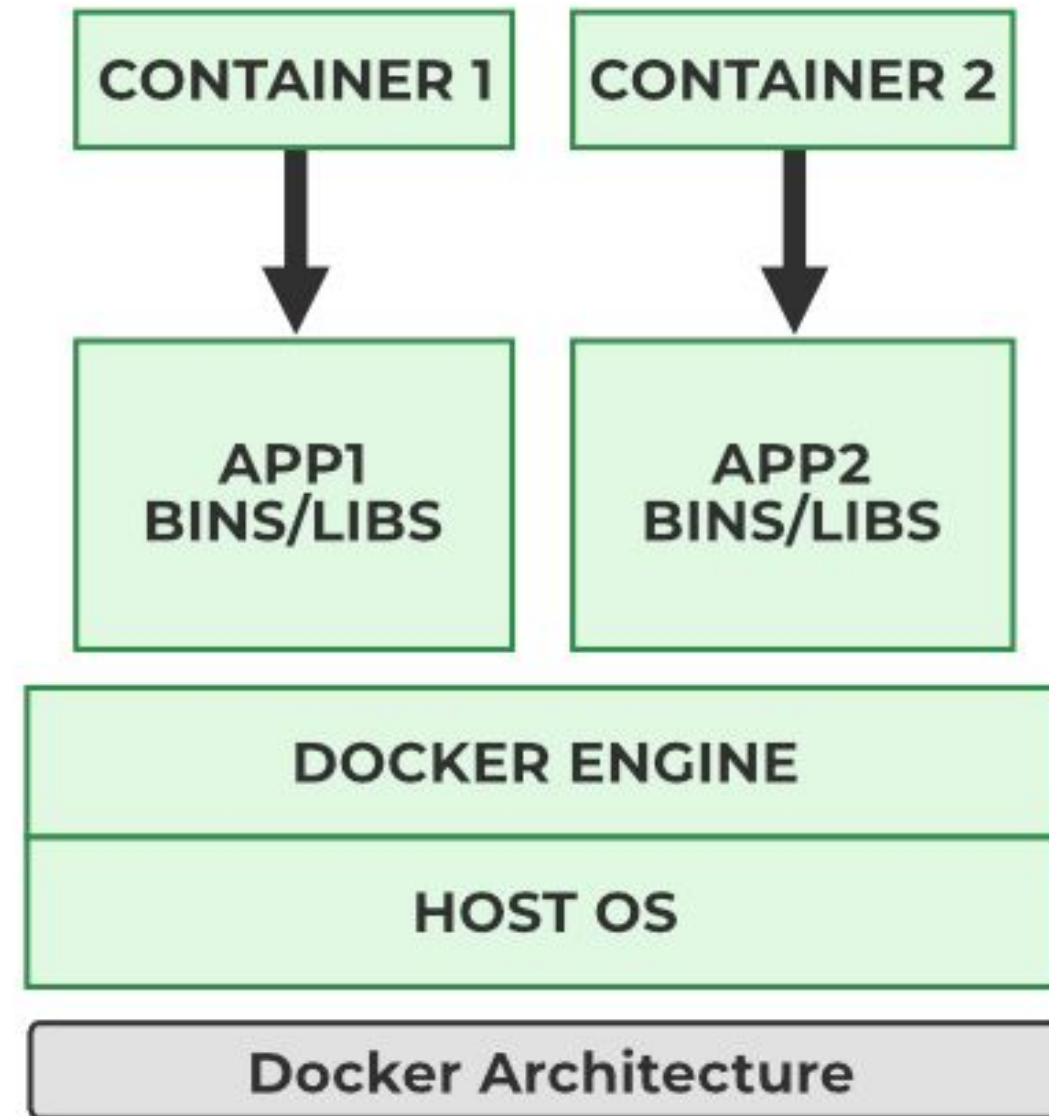
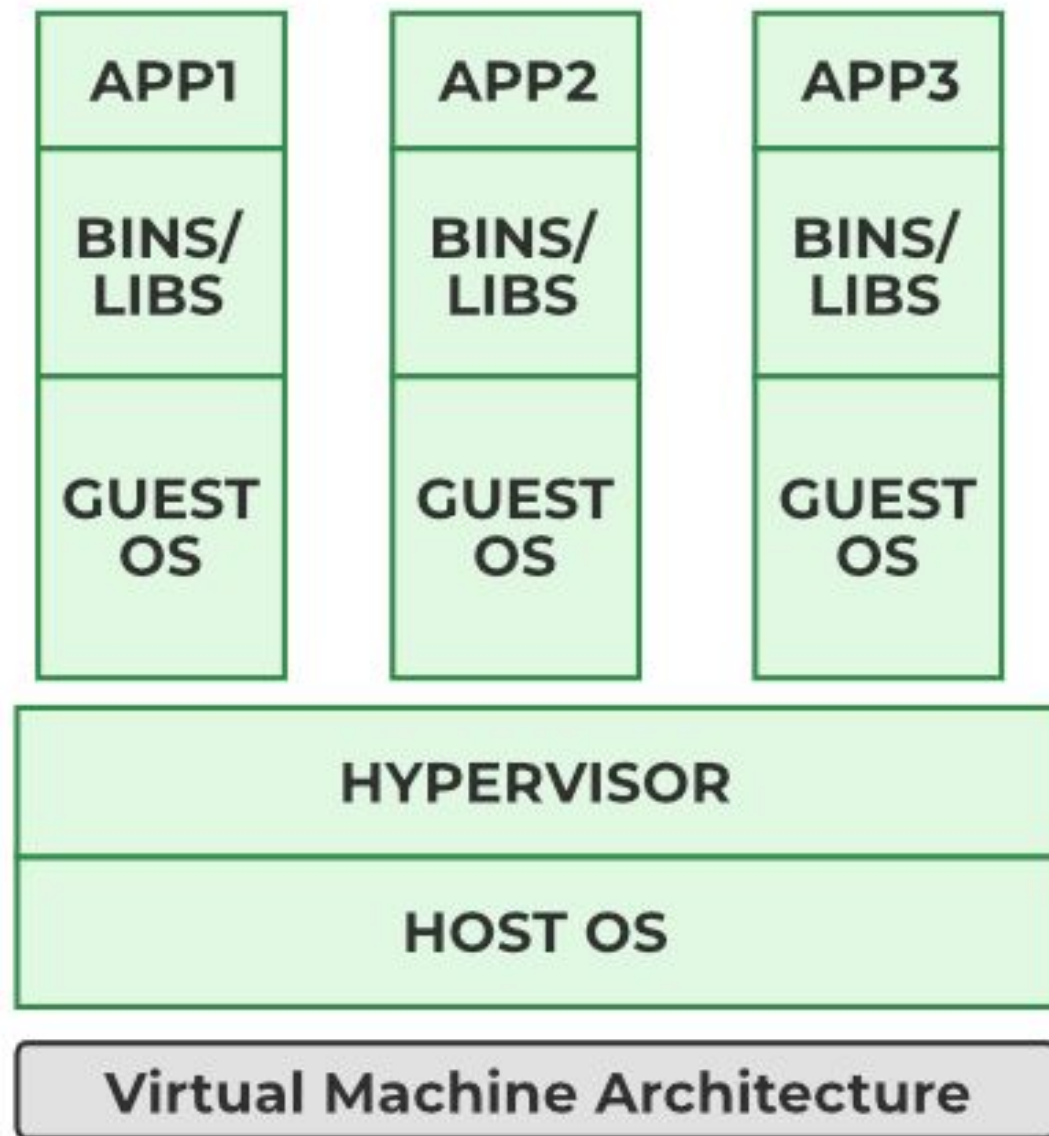


**I DON'T KNOW HOW A DOCKER
CONTAINER IS DIFFERENT FROM A VM**



**AND AT THIS POINT
I'M TOO AFRAID TO ASK**

Docker vs VM



Problems with VM

- Full OS Needed
- Resource Intensive
- Slow Start

Containers

- Share host OS Kernel
- Lightweight
- Starts Quickly
- Less Resource Needed