

# WHAT IS A DOCKER ?



## Development

### Lets say You created an Application

And that's working fine in  
your machine

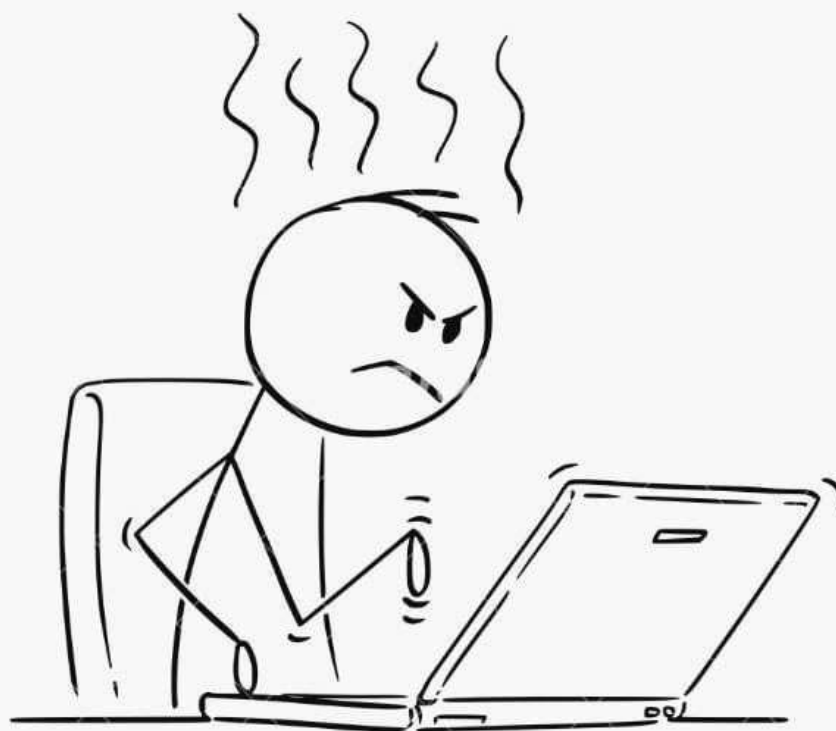




## Production

**But in Production it  
doesn't work properly**

Developers experience it a lot

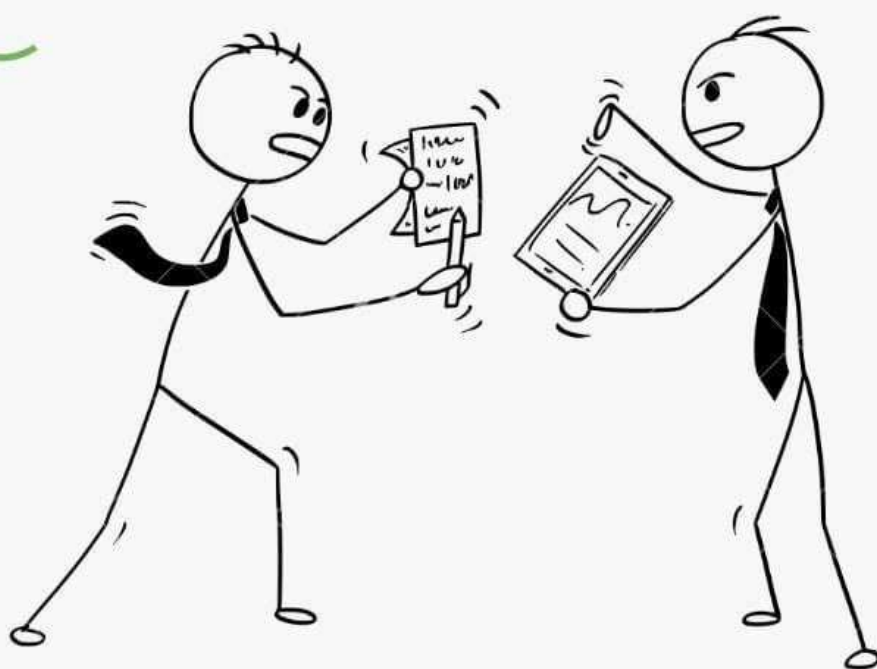




## That is when the Developer's famous words are spoken

Your application is  
not working

It works on my machine





## The Reason could be due to :

- Dependencies
- Libraries and versions
- Framework
- OS Level features
- Microservices

That the developers machine has but  
not there in the **production environment**



We need a standardized way to package the application with its **dependencies** and deploy it on any environment.

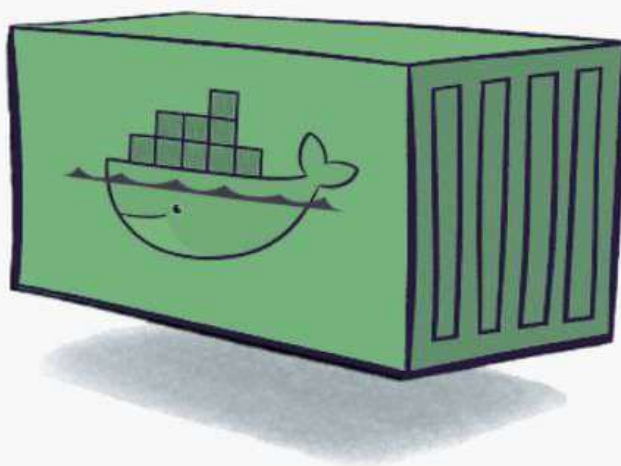


**Docker** is a tool designed to make it easier to **create, deploy, and run** applications by using **containers**.



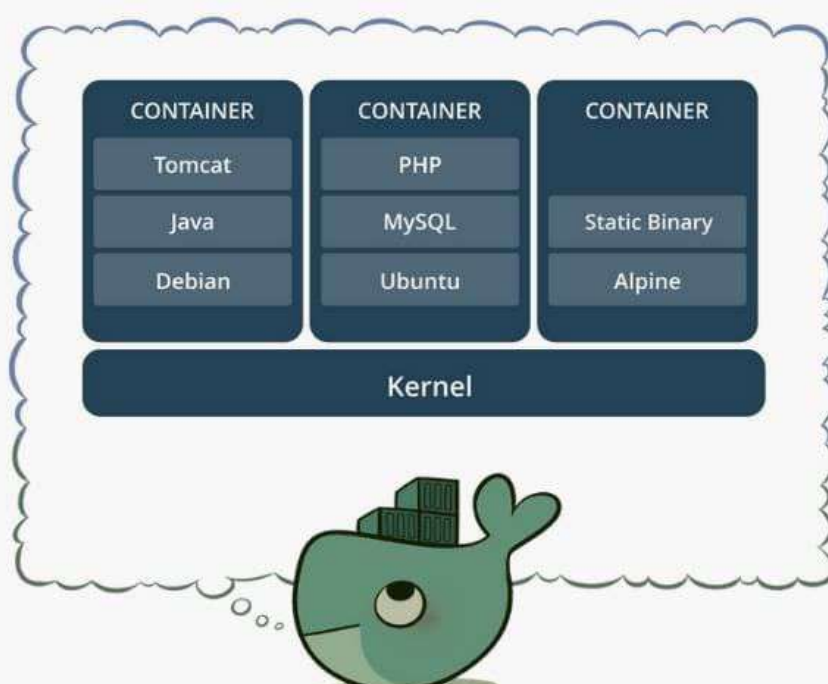
## How Does Docker Work?

Docker packages an application and all its **dependencies** in a **virtual container** that can run on any Linux server.





Each container runs as an **isolated process** in the user space and take up **less space** than regular VMs due to their layered architecture.







So it will always work the same  
regardless of its environment