



WHAT IS A DOCKER ?





Development

**Lets say You created
an Application**

And that's working fine in
your machine

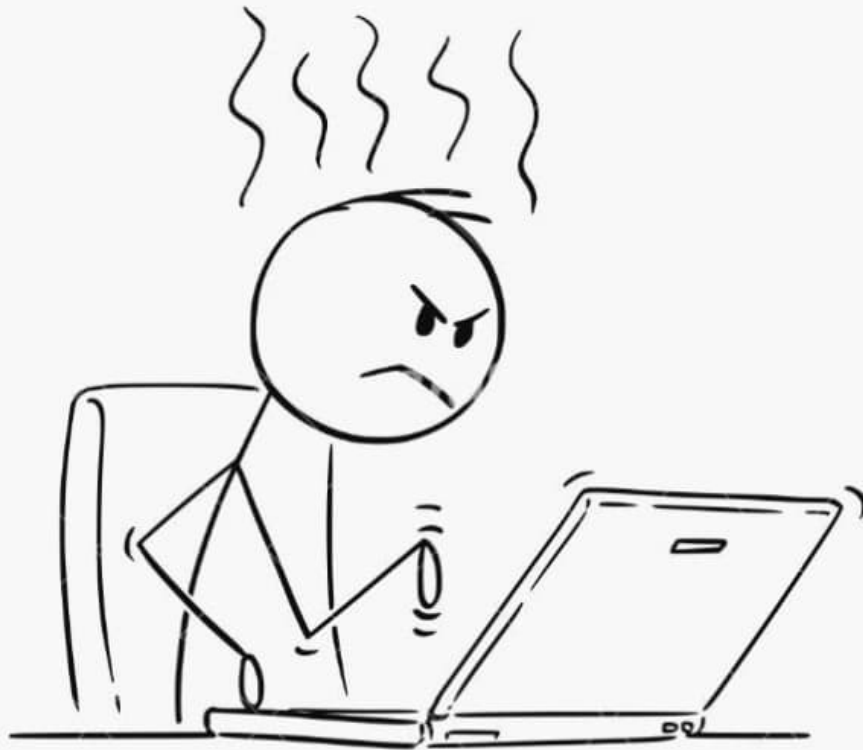




Production

**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.

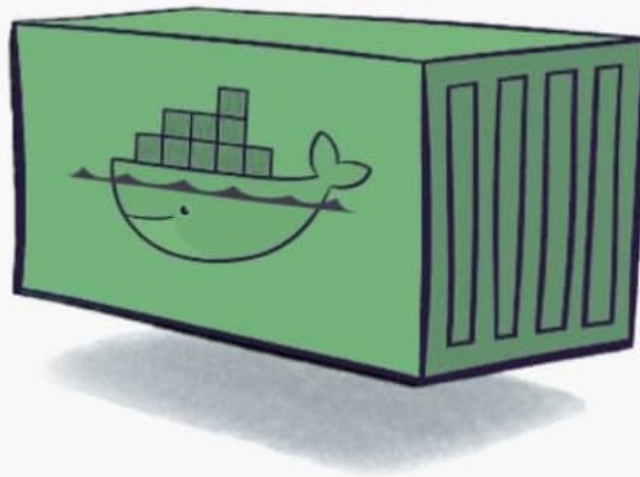


Docker is a tool designed to make it easier to **create**, **deploy**, and **run** applications by using **containers**.



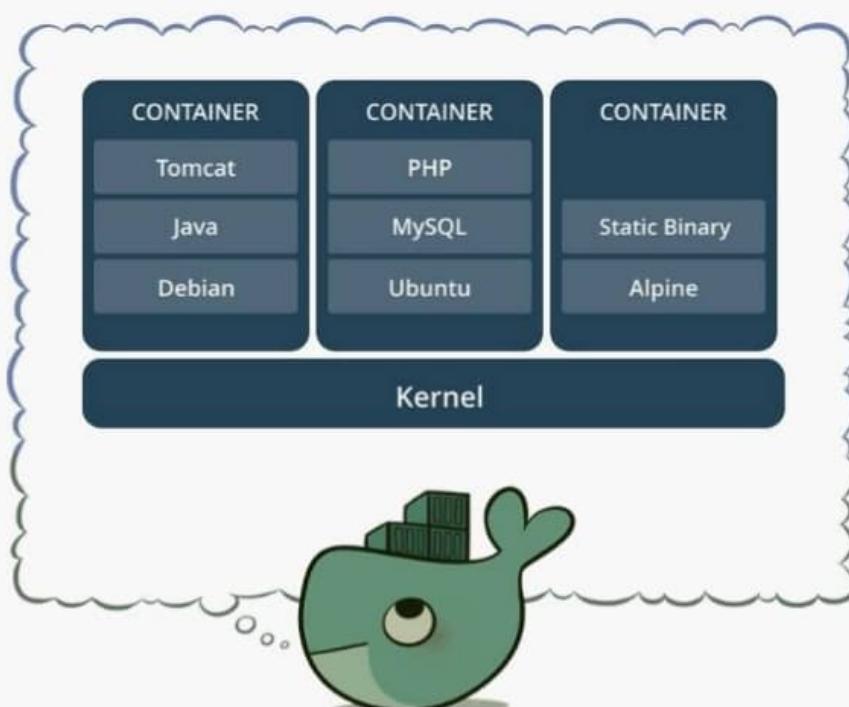
How Does Docker Work?

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