WHAT IS A DOCKER ?

Credit : Ellen

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 experince 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

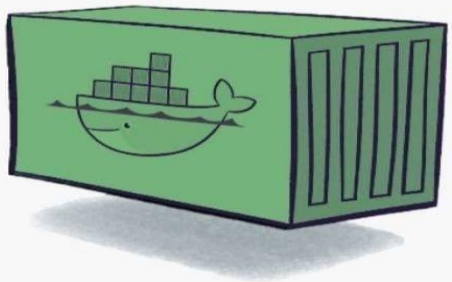
That the developers machine has but not there in the **production environment**

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

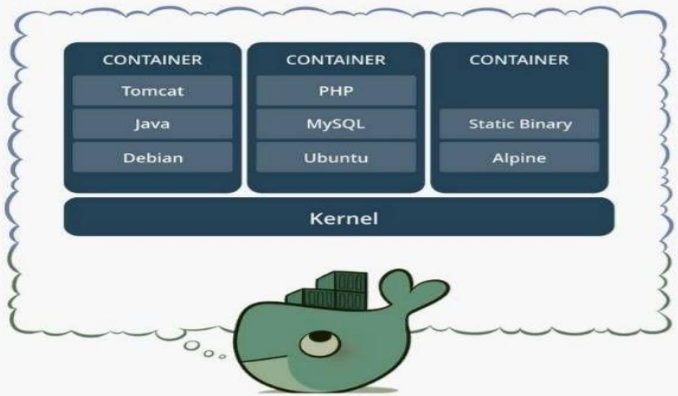
Docker is a tool designed to make it easier to **create**, **deploy**, and **run** applications by using **containers**.

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