



# WHAT IS A DOCKER ?



Credit : Ellen



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## Development

### Lets say You created an Application

And that's working fine in  
your machine



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## Production

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

Developers experience it a lot



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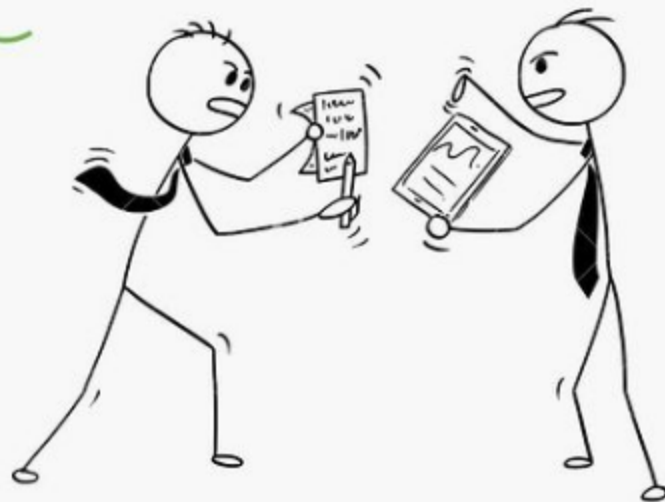
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## That is when the Developer's famous words are spoken

Your application is  
not working

It works on my machine



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## 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**

**DOCKER**




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**.

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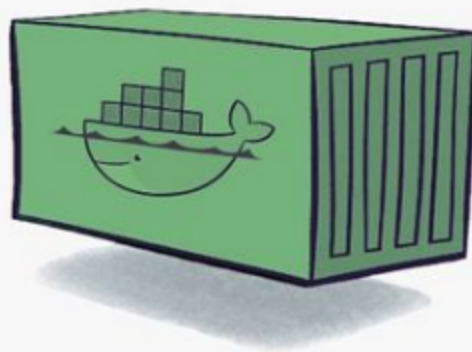
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## How Does Docker Work?

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



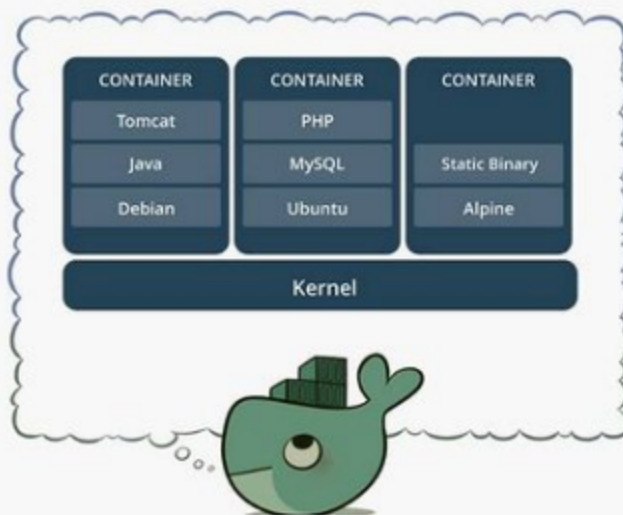
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Each container runs as an isolated process in the user space and take up less space than regular VMs due to their layered architecture.








So it will always work the same  
regardless of its environment



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