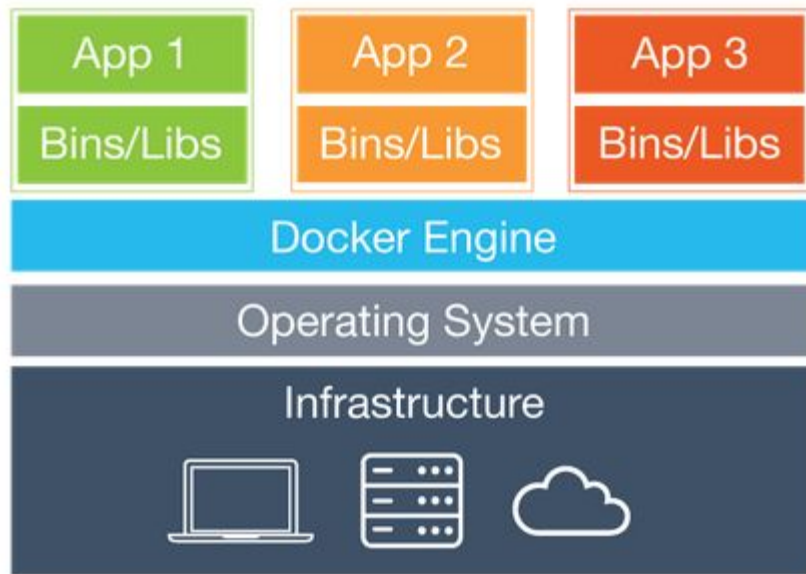# Simple Paas with Docker (Paasifier)

IIITHyderabad CloudCompting

What is docker?

- Docker allows you to package an application with all of its dependencies into a standardized unit for software development.
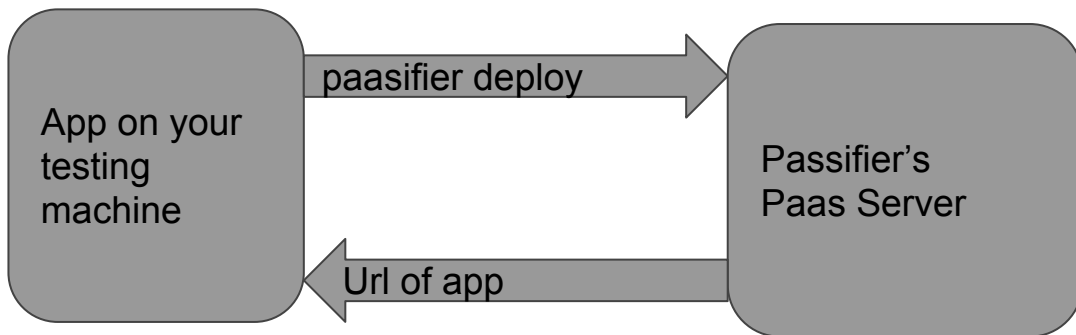- Docker containers run on any computer, on any infrastructure and in any cloud.

What is Paas ?

- **Platform as a service** (**PaaS**) is a category of cloud computing services that provides a platform allowing customers to develop, run, and manage web applications without the complexity of building and maintaining the infrastructure typically associated with developing and launching an app.
- benefits of PaaS to application developers are that they don't need to invest in physical infrastructure, Standard development environment , flexible and High security

Passifier

- Passifier brings togather the two concepts of Pass and Docker.
- It allows you to quickly push your application to production.
- easy deploy without having to worry about the production environment.

App on your testing machine

paasifier deploy →

Url of app ←

Passifier's Paas Server

Usage : Client

- You application must be on docker public repository
- bash paasifier.sh deploy <repository>:<tag> <your application default port> <paas server address>
- The application is then deployed on cloud and the url for the application is returned

Usage : Server

- Before using the client setup we need to set up the Paas server
- All the requirements were mentioned in the documentation
- The server on getting the request for deploying an application , it fetches the image from docker hub
- Later deploys it and then returns the url for the app

Thank you