

# Application Modernization using Kubernetes

# About Speakers

## Dinesh Tripathi

Enterprise Architect - IBM India

Reach out to us:

<https://www.linkedin.com/in/dinesh-tripathi-3ba06816/>



@dinesh30



## Kamlesh Prajapati

Technical Leader - IBM India

Reach out to us:

<https://www.linkedin.com/in/kamlesh-prajapati-3739242b/>



@kamsjec



# Agenda

- What is Application Modernization
- Container and Kubernetes Introduction
- Live Demo
- Technology and Skills requirement
- Why you should learn this
- Q & A
- Document Reference



# What is an Application?

- Web application
- Desktop application
- Mobile application



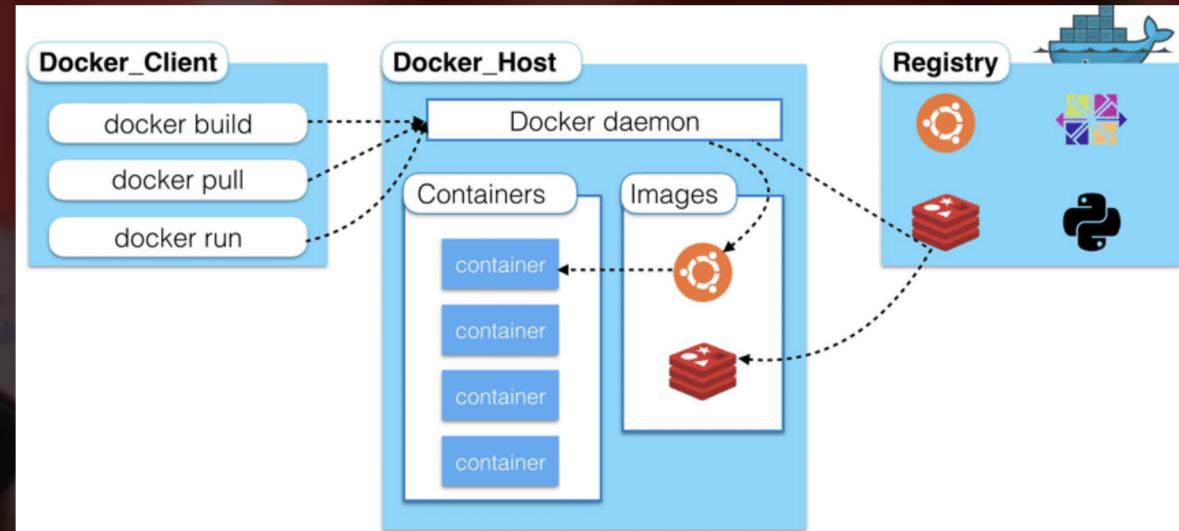
# What is Application Modernization?

- Legacy Application
- Cloud Native Applications
- Application Modernization Benefits



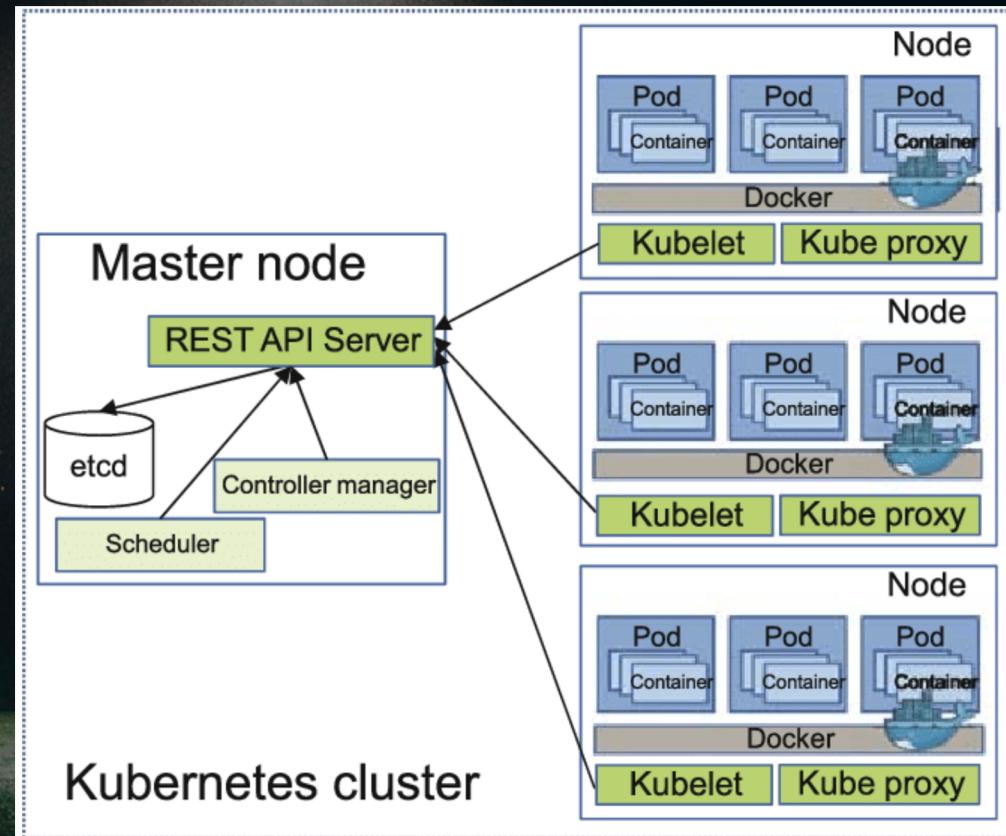
# Container Introduction

- Basic Concept
  - Container
  - Container Engine
  - Images etc...



# Kubernetes Introduction

- Basic Concept
  - Pod
  - Services
  - Deployment
  - ReplicaSet
  - ConfigMap
  - Secrets
  - Persistent Volume



# Live Demo

- Application Deployment on Kubernetes

# Technology & Skills Requirements

- Key Technologies
  - Cloud
  - Containers
  - Kubernetes
  - DevOps
  - DevSecOps
  - IoT
  - Big Data
  - Blockchain etc...
- Key Skills
  - Soft Skills
  - Programming Languages
  - Scripting
  - System Management etc....

Jobs ??

Salary ??

# Q & A

# Document Reference

- [www.kubernetes.io](http://www.kubernetes.io)
- [www.docker.io](http://www.docker.io)
- [https://github.com/dineshtripathi  
30/k8s-for-freshers](https://github.com/dineshtripathi/30/k8s-for-freshers)
- <https://www.katacoda.com/>