# CKAD : Complete Certification Guide
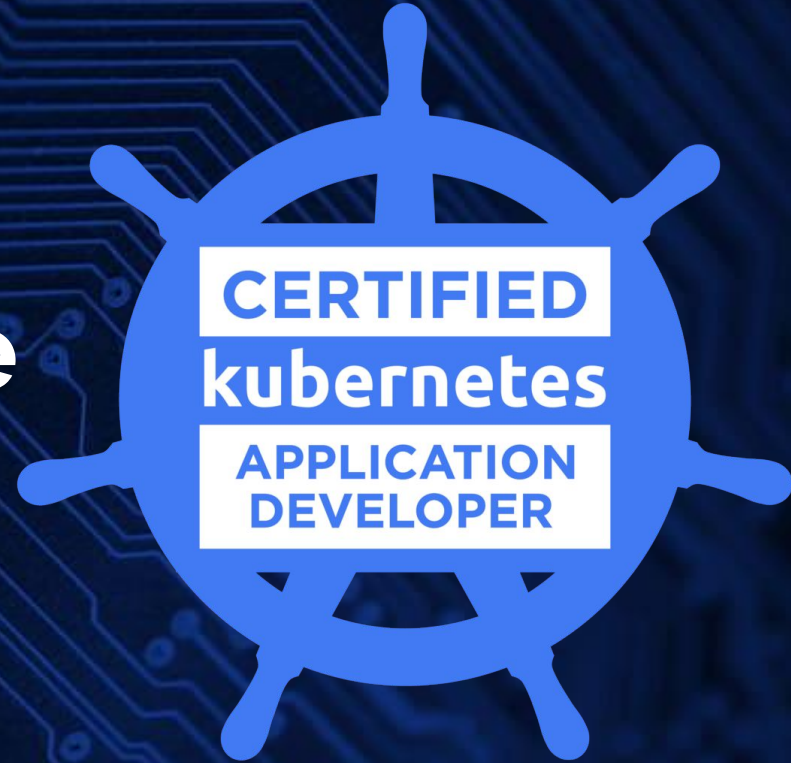
## Why Kubernetes Required?

CERTIFIED
kubernetes
APPLICATION
DEVELOPER

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VM 1

Web-Server

App-Server

VM 2

Web-Server

VM 3

Web-Server

App-Server
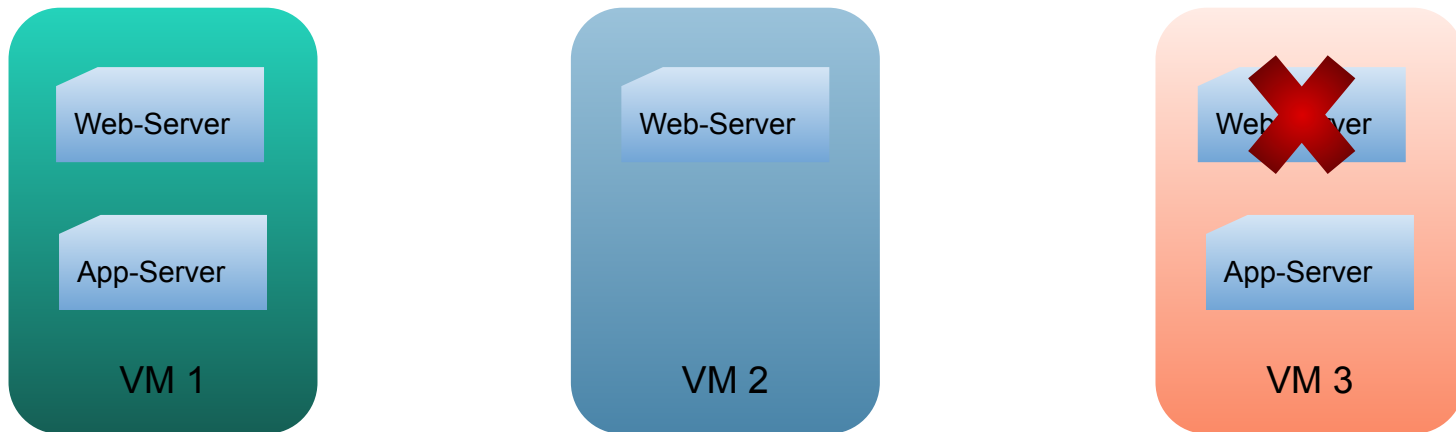
**Orchestration Tool** : Container Orchestration is about Managing Container Lifecycle, in large / dynamic environment.

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➢ Container Orc can be used to perform a lot of tasks, some of them included -

- ○ Provisioning and Deployment of Containers
- ○ Scaling or Load Balancing for Containers
- ○ Resource Management and Scheduling of Containers
- ○ Health Monitoring of Container and Host machine
- ○ etc....

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➢ Many Container Orc solutions are available, some of them -

- ○ Docker Swarm/Compose
- ○ Kubernetes
- ○ AWS Elastic Container Service
- ○ Apache Mesos

➢ Some managed Kubernetes Service.
- ○ AWS EKS
- ○ GCP GKE
- ○ Azure AKS

# Thank You...

Don't be the Same! Be Better!!!