

CKA/CKAD : Complete Certification Guide

Pods in Kubernetes



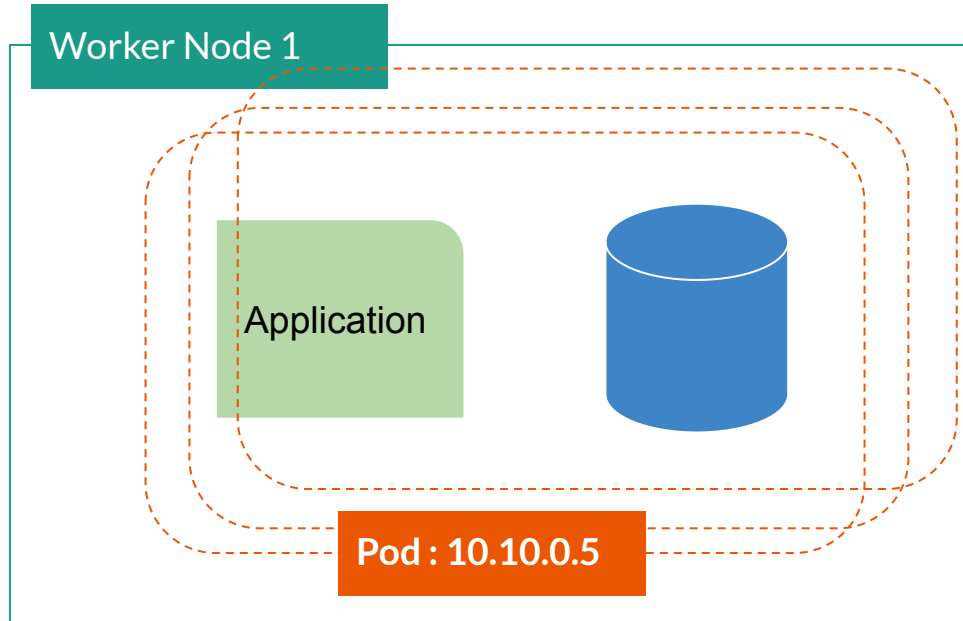
CKAD : Certification

- Why K8s have concept of Pod ?
- Many application have multi container Application Dependency.
 - Containers are tightly coupled, in case of any container crash application have functional Impact.
- Multi-Container dependency needs runtime dependency and complex orchestration management.

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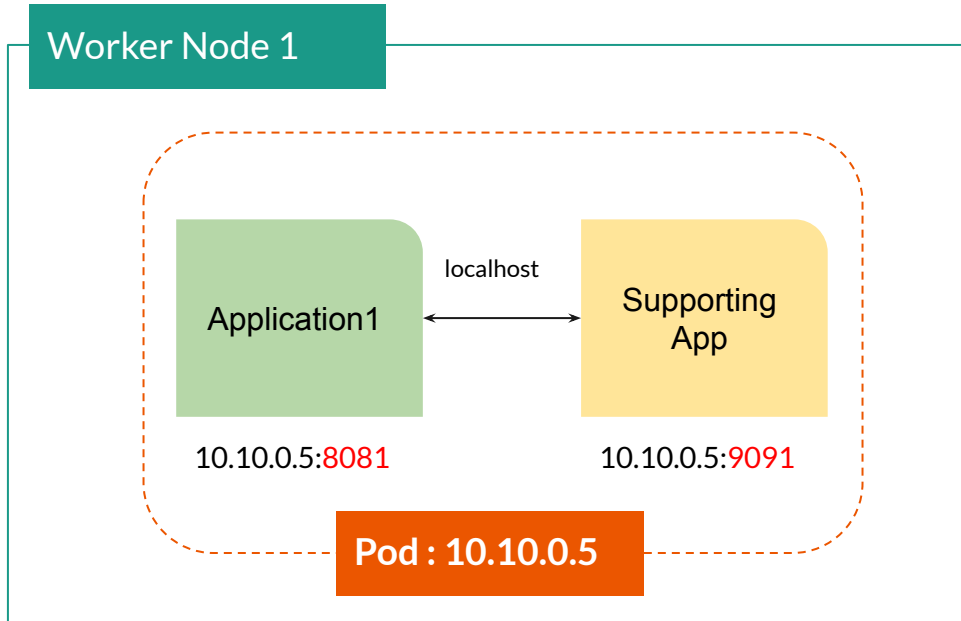
- **Pod** is fundamental Unit in K8s. Which represent a group of **one or more application container**.
- Multiple Container in same Pod can share the volume and Network.
- Deploy Pod in Kubernetes.

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Network Layer in Worker Node

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- Pod always Run on K8s Worker Node.
- Each Worker Node managed by K8s Master Node.
- Single Node can have Multiple Pods.
- Multi-Container Pods can't be split across the Nodes.
- Containers in Multi-Container Pods are accessible over same Pod IP.
- Containers in Multi-Container Pods can communicate over the local Host.

Thank You...

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