**CERTIFIED KUBERNETES ADMINISTRATOR (CKA**)

General Commands and summaries

The various sections of a k8s definition file:

apiVersion v1{}, apps/v1{}

kind

metadata:

name

labels:

-name:

-function:

spec:

containers:

-name:

image:

nodeSelector:

size:

Cluster Architecture

Using Namespaces in K8s

What is a Namespace? It’s a virtual cluster backed by the same physical cluster. Kubernetes objects, such as pods, and containers, live in namespaces. Namespaces are a way to separate and organize objects in your cluster

To list namespaces

kubectl get namespaces or to find a specific namespace use kubectl get pods --namespaces my-namespace or kubectl get pods --n my-namespace

To create a namespace

kubectl create namespace my-namespace

to list the all the namespaces in your cluster use

kubectl get pods --all-namespaces