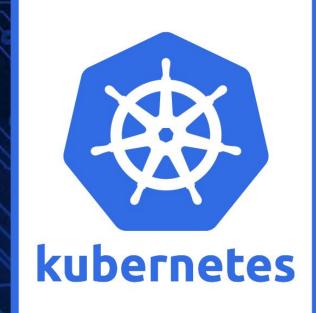# CKA/CKAD : Complete Certification Guide

Kubernetes Resource Quota

certified

kubernetes

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➢ In a shared Kubernetes environment, it is important to pre-define the allocation of resources for each tenant to avoid unintended resource contention and depletion.

➢ ResourceQuota is an object in Kubernetes that enables administrators to restrict cluster tenants' resource usage per namespace.

➢ Namespaces create virtual clusters within a physical Kubernetes cluster to help users avoid resource naming conflicts and manage capacity, among others.

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- ➢ **How Resource Quota Limits Work?**
- ➢ Requests for the creation/deletion/update of system resources go through the Kubernetes API server. There are different admission controllers that can view and filter the requests.

- ➢ Kubernetes quota admission controller watches for the new objects created in that namespace. It will keep monitoring and tracking resource usage.

Thank You...

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