

CKA/CKAD : Complete Certification Guide

Kubernetes Monitoring Overview



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- **K8s Monitoring**: Kubernetes monitoring helps to identify issues and proactively manage Kubernetes clusters.
- Effective monitoring for Kubernetes clusters makes it easier to manage containerized infrastructure, by tracking **uptime**, **utilization** of cluster resources (such as memory, CPU, and storage), and interaction between cluster components.

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- **Levels of Monitoring -**
- **Cluster monitoring** – Keeps track of the health of an entire Kubernetes cluster. Helps you verify if nodes are functioning properly and at the right capacity, how many applications run on a node, and how the cluster as a whole utilizes resources.
- **Pod monitoring** – Keeps track of issues affecting individual pods, such as resource utilization of the pod, application metrics, and metrics related to replication or autoscaling of the pod.

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➤ **Kubernetes Monitoring Tools -**

- Prometheus
- Grafana
- Jaeger
- Kubernetes Dashboard
- Kiali
- Kubewatch
- EFK Stack

Thank You...

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