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# CKS : Complete Certification Guide

Kubernetes Security Overview



## K8s : Certification



**Cyber Attacks** are becoming very prevalent. It more important than ever to keep System and Information secure.

**Kubernetes Security** refers to the techniques and processes that used to protect Kubernetes Cluster. And the applications and data hosted on Kubernetes Cluster.

## K8s : Certification

To prevent from **Cyber Attacks** , we will follow the **Layered Security Model**.

- We can't always guarantee that any Individual Component is **100% Secure**.
- **Layered Security Model** focus on making every component as secure as possible. This will lead to stop the attacker to compromise with whole system, and prevent attack at each layer.

**Infrastructure**

**Cluster**

**Container**

**Code**

## K8s : Certification

### Layered Security Model in Kubernetes.

1. **K8s Cluster** : K8s cluster itself and it's component must be secure.
2. **Host Systems** : The Host Systems and infrastructure used to Run the cluster.
3. **Applications** : The container application and code, running in your cluster could be compromised and used to interact with other applications or cluster components.
4. **Supply Chain** : Container Images and other config files used to deploy the application could be used by attackers.
5. **Everything** : Attackers are very smart, if anything that can be compromised or used in an unexpected way, will be point of attack.

# Let's get Started!!!

# Thank You...

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

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