

DEVOPS

ADVANCED

4 DAYS

# Certified Kubernetes Security Specialist (CKS)

Build a strong foundation in Kubernetes architecture and security to protect clusters and containerized workloads. Learn how to implement security controls, policies, auditing, and monitoring while preparing confidently for Kubernetes security certification.

## Why CKS?

### Improved Security Posture

By hiring Certified Kubernetes Security Specialists, businesses can ensure that they have the expertise necessary to implement effective security measures that protect their applications, data, and infrastructure.

### Improved Efficiency

With a CKS-certified professional on board, businesses can streamline their security processes and reduce the time and effort required to manage their Kubernetes environments.

### Risk Mitigation

Certified Kubernetes Security Specialists can help businesses mitigate risk by identifying vulnerabilities and implementing the necessary security measures to protect against potential threats.

## What you'll be able to do

- ✓ Gain a solid understanding of Kubernetes Architecture and Security Principles
- ✓ Learn how to implement security controls for Kubernetes
- ✓ Learn how to secure containerized applications running on Kubernetes
- ✓ Learn how to implement Kubernetes security policies
- ✓ Learn how to implement auditing and monitoring for Kubernetes environments
- ✓ Get familiarised with the exam objectives, format, and structure

## Who this is for

- Kubernetes Administrators
- Security Specialists
- Who Is Willing to Give CKS Exam
- Those Who Want to Master Certified Kubernetes Security Specialist (cks)

## Curriculum

### 01 Cluster Setup for Security

- Apply cluster setup for security with Kubernetes Security in practical DevOps workflows
- Complete hands-on labs with realistic scenarios
- Validate outcomes, logs, and failure modes
- Capture reusable patterns for team standards

### 02 Cluster Hardening

- Apply cluster hardening with Kubernetes Security in practical DevOps workflows
- Complete hands-on labs with realistic scenarios
- Validate outcomes, logs, and failure modes
- Capture reusable patterns for team standards

### 03 System Hardening

- Apply system hardening with Kubernetes Security in practical DevOps workflows
- Complete hands-on labs with realistic scenarios
- Validate outcomes, logs, and failure modes
- Capture reusable patterns for team standards

### 04 Minimize Microservice Vulnerabilities

- Apply minimize microservice vulnerabilities with Kubernetes Security in practical DevOps workflows
- Complete hands-on labs with realistic scenarios
- Validate outcomes, logs, and failure modes
- Capture reusable patterns for team standards

### 05 Supply Chain Security

- Apply supply chain security with Kubernetes Security in practical DevOps workflows
- Complete hands-on labs with realistic scenarios
- Validate outcomes, logs, and failure modes
- Capture reusable patterns for team standards

### 06 Monitoring, Logging, and Runtime Security

- Apply monitoring, logging, and runtime security with Kubernetes Security in practical DevOps workflows
- Complete hands-on labs with realistic scenarios
- Validate outcomes, logs, and failure modes
- Capture reusable patterns for team standards