



Lab 7

Introduction to Kubernetes Security

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Objectives

Review Kubernetes security terminology and learn about:

The 4 C's of Cloud Native Security

- Cloud Native Security Details
- Cluster Hardening
- Container Security
- Code Security

Practice more hands-on commands to make you proficient in real world Kubernetes security.

Pre-work requirements

For all users

- [Blog for Lab 7](#)
- [Slides for Lab 7](#)
- [VOD for Lab 7](#)
- [Intro to Kubernetes](#)

For advanced users

- [Kasten K10 documentation](#)
- [Free Kasten K10 download](#)

Lab 7 - Part 1

Key Security Terminology Review



Kubernetes Introduction

Let's explore Kubernetes! The percentage of enterprises [investing in Kubernetes and containerization in production continues to grow](#), making it a critical skill in modern IT environments. Whether you are a rookie or pro, now is the time to increase your Kubernetes skill!

Terminology

- The four C's of Cloud Native Security
- Cloud Provider practices and security recommendations
- Securing the configuration of cluster components
- Securing applications which run in the cluster
- Container security best practices including container scanning and isolation
- Code security best practices including network traffic encryption and using automated security tools

Lab 7 - Part 2

Kubernetes Security – Hands on

Commands for the

- CIS benchmarks commands
- Network Isolation commands
- Image Security commands





Thank You