



Course 15

KubeCon 2023 Challenge (KubeAthon)

Take your Kubernetes Knowledge to the Next Level!

Course 15 Introduction

Objectives and Prework



kubernetes

Objectives

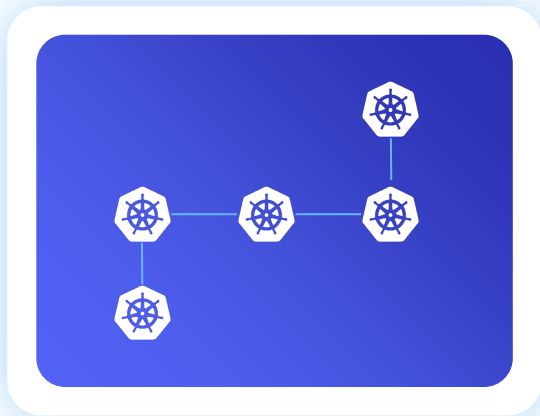
- You are the DevOps team of a popular e-commerce company that uses the Online Boutique platform. Online Boutique is a cloud-first 11 tier microservices demo application.
- You will learn to configure Kasten K10 effectively, ensuring robust data backup and recovery mechanisms are in place for your infrastructure and your application is running efficiently and securely.

Prework Requirements

- For all users
 - Blog
 - Slides
 - VOD
- For advanced users
 - [K10 documentation](#)
 - [Free K10 download](#)

Lab 15 – Hands On

Maintaining and protecting your online application



•Challenge 1 - Resolve Misconfigurations

- ❑Service Connectivity
- ❑Incorrect Resource Requests and Limits

•Challenge 2 - Deploy Kasten K10 on the Kubernetes cluster

- ❑Ensure that Kasten K10 is seamlessly integrated and can communicate with all the services of Online Boutique. This will be the foundation for the subsequent backup and recovery tasks.

Challenge 3 - Profile Creation

Create a profile in Kasten K10.

Challenge 4 - Policy Creation for Online Boutique

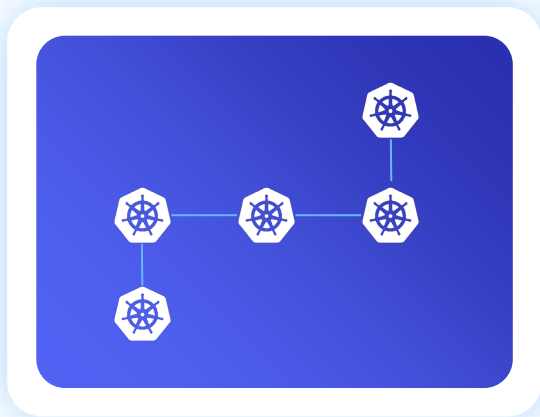
Create policies in Kasten K10 to back up the Online Boutique services.

Challenge 5 - Accidental Deletion Disaster

Identify the extent of the issue, and its impact on other services.

Lab 15 – Hands On - continued

Maintaining and protecting your online application



Challenge 6 - Restore from Backup

Using Kasten K10, restore the services to their last known good configuration.

Validate the integrity of the services after the restoration, ensuring no data discrepancies or service downtimes.

Challenge 7 - Application Scaling and Resilience

Online Boutique is facing high traffic. Scale the application to handle the surge.



Thank You