



Lab 3

Back up a Kubernetes Application



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Objectives

- Review Kubernetes basics and terminology
- Answer a series of initial challenge questions in the lab to ensure the user has mastered the Kubernetes terminology
- Use real keyboard commands to back up an actual Kubernetes application after installing Kasten K10

Pre-work requirements

For all users

- Blog for Lab 3
- [Intro to Kubernetes](#)
- Slides for Lab 3
- VOD for Lab 3

For advanced users

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

Lab 3 – Part 1

Key Kubernetes Backup Terminology Review



Terminology

- Why Backup in Kubernetes is different than what you might have done before
- Step by step backup procedure in Kubernetes
- Getting security right
- Reviewing the risks in the process
- Tips, tricks, gotchas

Lab 3 – Part 2

Backing up an Application- hands on

For Data Service MySQL


- Deploy Kasten K10
- Backup the data service
- Protect the data service
- Provide an example failure scenario
- Delete data
- Recover Kasten K10




Lab 3

Hands on Summary




**Add the Kasten Helm 10 repository**[Skip to](#)


Add the K10 Helm repository

**Install MySQL and Create a Demo Database**[Skip to](#)


Install MySQL

**Install K10 and Configure Storage**[Skip to](#)


Install K10 and Configure Storage

**View K10 Dashboard**[Skip to](#)

View the K10 Dashboard

**Backup Policy Creation**[Skip to](#)

Create an automated policy for application backup

**Restore from Backup**[Skip to](#)

Recovery from accidental data loss



Thank You