



# Lab 14

## Kubernetes Observability

# Lab 14

## Kubernetes Observability



### Objectives

Understand Key Monitoring Terms and Tools

- Master the Alert Channel
- Create a Dashboard
- Add Rules
- Understand basic hands-on commands

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

### Pre-work requirements

For all users

- [Blog for Lab 14](#)
- [Slides for Lab 14](#)
- [VoD for Lab 14](#)
- [Intro to Kubernetes](#)

For advanced users

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

# Lab 14 - Part 1

## Key Observability Terminology Review



### Kubernetes Observability

Eases management of containerized infrastructure by tracking utilization of cluster resources including memory, CPU, and storage

#### Terminology

- Observability Fundamentals
- Prometheus Metrics
- Alerting and recording rules
- Grafana Dashboards

# Lab 14 - Part 2

## Kubernetes Observability

### Commands for the Observability Lab

- Kasten K10 Metrics
- Understanding observability metrics
- Creating useful custom PromQL requests
- Exploring the Grafana Dashboard
- Creating custom alerts on failed backup and catalog storage both by email and Slack





Thank You