

Microservices with Rancher

Course Summary

Objectives

After taking this course, students will be able to:

- Essential Kubernetes Concepts
- The key components of a Kubernetes deployment
- Deploying and scaling a containerized application with Kubernetes, Helm, and Rancher
- Deploying Rancher
- Configuring Access Control
- Connecting Registries
- Networking, Load Balancing and Service Discovery
- Alerts, logging, and resource management
- Basics of Kubernetes storage
- Using the Rancher CLI and API

Topics

- Configuration
- Deploying and scaling a containerized application
- Essential Kubernetes Concepts

Prerequisites

Basic computer skills, internet access, basic analytic or programming skills.

Duration

Two Days

Microservices with Rancher

Course Outline

- I. *Essential Kubernetes Concepts*
 - A. The key components of a Kubernetes deployment
- II. *Deploying and scaling a containerized application*
 - A. Deploying and scaling a containerized application with Kubernetes, Helm, and Rancher
 - B. Deploying Rancher
- III. *Configuration*
 - A. Configuring Access Control
 - B. Connecting Registries
 - C. Networking, Load Balancing and Service Discovery
 - D. Alerts, logging, and resource management
 - E. Basics of Kubernetes storage
 - F. Using the Rancher CLI and API