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

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