Fast Lane

Rancher Manager 2.8 for Rancher Prime Operations (RAN201V2.8)

ID RAN201V2.8   **Price** CHF 1,990.—(excl. VAT)   **Duration** 3 days

Who should attend

This course is designed for system administrators and other persons responsible for provisioning and administering Kubernetes clusters with Rancher Manager for Rancher Prime.

This course is part of the following Certifications

SUSE Certified Administrator in Rancher Manager 2.7 & 2.8 for Rancher Prime (SCA)

Prerequisites

An understanding of Kubernetes objects and resources is needed for this course. This knowledge can be gained through the ! course. Linux command line experience is helpful.

Course Objectives

Attendees will be taught the following concepts and skills:

- An Introduction to Rancher Manager for Rancher Prime
- Cluster and Cluster Template Management with Rancher Manager
- User Management
- Application Management with Rancher Manager
- Multi-cluster Application Management with Continuous Delivery
- Logging and Monitoring
- Rancher Manager Extensions
- Security Scans and Policy Constraint Configuration
- Variety of Shell Based Actions with Rancher Manager
- Backing up and Restoring Downstream Clusters and Rancher Manager

Course Content

Section 1: Course Introduction

- Understand the Course

Section 2: Introduction to Rancher Manager for Rancher Prime

- Rancher Manager for Rancher Prime
- What's New in Rancher Manager v2.8
- Rancher Manager Architecture
- Access Rancher Manager

Section 3: Cluster Management with Rancher Manager

- Rancher Manager User Interface
- Cluster and Node Agents
- Import an Existing Kubernetes Cluster
- Provision an RKE Cluster on Existing Nodes
- Provision a K3s or RKE2 Cluster on Existing Nodes

Section 4: User Management with Rancher Manager

- User and Group Management
- Roles

Section 5: Cluster and Node Management with Rancher Manager

- RKE Template Configuration
- Node and Cluster Driver Management
- Cloud Credentials Configuration
- Infrastructure Provided Kubernetes Clusters
- Hosted Kubernetes Clusters

Section 6: Application Management with Rancher Manager

- Projects and Namespaces
- Workload Deployment
- Application Repositories in Rancher Manager
- Application Management with Helm
- Quotas

Section 7: Continuous Delivery with Rancher Manager

- Project Fleet
- Continuous Delivery

Section 8: Logging and Monitoring with Rancher Manager

- Deploy Monitoring Stack

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- Rancher Manager Logging
- External Logging Services for Grafana

Section 9: Rancher Manager Extensions

- Introduction to Extensions
- Manage Extensions

Section 10: Security Tools with Rancher Manager

- Manage CIS Scans
- Introduction to External Policy Engine and Container Security Products

Section 11: CLI Access for Rancher Manager and Downstream Clusters

- Access Cluster Nodes with ssh
- Access a Downstream Clusters with kubectl
- Rancher Manager API
- Rancher Manager CLI

Section 12: Backup and Restore with Rancher Manager

- Backup Requirements with Rancher Manager
- Downstream Cluster Snapshots
- Upgrade Downstream Clusters
- Restore Downstream Clusters
- Backup and Restore Rancher Manager

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Training Centres worldwide

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