

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

ID RAN201V2.8 Prix CHF 1 990,- (Hors Taxe) Durée 3 jours

A qui s'adresse cette formation

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

Cette formation prépare à la/aux certifications

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

Pré-requis

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.

Objectifs

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

Contenu

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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Centres de formation dans le monde entier



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