Rancher Manager 2.8 for Rancher Prime Operations

Price: 2400

Duration: 3 days

Delivery Methods: Virtual

Overview

About this Course

This three-day course is designed for system administrators responsible for deploying and administering multiple Kubernetes cluster distributions with Rancher Server. The course begins with an introduction to Rancher Server and its architecture. Students will then learn how to access the Rancher Server's graphical user interface, including Rancher Cluster Manager as well as Rancher Cluster Explorer. In the course an existing Kubernetes cluster will be registered and a new RKE cluster will be provisioned with Rancher Server and then many Kubernetes cluster management for infrastructure and hosted Kubernetes provider's deployments in the public clouds. The course includes a presentation about the provisioning and administration capabilities of Rancher Server and extensive hands-on experience with lab exercises. This course prepares students for the SCA in SUSE Rancher 2.6 exam.

At Course Completion

- An introduction to Rancher Server
- Running Rancher
- Using the Rancher GUI
- Rancher manager
- Rancher cluster explorer
- Kubernetes clusters and their relation to Rancher server
- Cluster and Cluster Template Management with SUSE Rancher

- User Management

- Application Management with SUSE Rancher

- Multi-cluster Application Management with Continuous Delivery

- Logging and Monitoring

- Security Scans and Policy Constraint Configuration

- Variety of Shell Based Actions with SUSE Rancher

- Backing up and Restoring Downstream Clusters and SUSE Rancher

- Preparing for SUSE Rancher Exam

- AI LLM prompt engineering for relevant snippets and jump-starting solutions

Outline

Outline

Course Introduction

- Lecture + Lab: Start the Lab Environment

- Lecture + Lab: Introduction to SUSE Rancher

– Login to SUSE Rancher User Interface

– Modify the SUSE Rancher Clusters Display Name

- Lecture + Lab: Cluster Management with SUSE Rancher

– Registering an Existing Kubernetes Cluster

– Provision an RKE Cluster on an Existing Node

– Clean-Up Cluster Node

- Lecture + Lab: User Management with SUSE Rancher

– Create a Local User

– Configure External Authentication with OpenLDAP

– Manage Roles and User Access

- Lecture + Lab: Template Management with SUSE Rancher

– Create an RKE Template

– Provision a Cluster with an RKE Template

– Inspect Node and Cluster Drivers

– Optional – Add Cloud Credentials for AWS

– Optional – Provision an Infrastructure Provided Cluster on EC2

– Optional – Provision an EKS Cluster on Amazon AWS

- Lecture + Lab: Application Management with SUSE Rancher

– Manage Projects and Namespaces

– Create a Workload

– Install an App with Helm

– Manage Quota Settings

• Lecture + Lab: Continuous Delivery with SUSE Rancher

– Configure Continuous Delivery

• Lecture + Lab: Logging and Monitoring with SUSE Rancher

– Deploy Monitoring Stack on a Downstream Cluster

– Deploy Logging on a Downstream Cluster

– Integrate an External Log Service with Grafana

• Lecture + Lab: Rancher Manager Extensions

– Configure Rancher Manager Extensions

• Lecture + Lab: Security Tools with SUSE Rancher

– Configure CIS Scanning

– Configure OPA Gatekeeper

• Lecture + Lab: SUSE Rancher Shell Access

– Access a Container from SUSE Rancher

– kubectl Access from SUSE Rancher GUI

– kubectl Access from Bash Shell

– Using the rancher CLI

• Lecture + Lab: Backup and Restore With SUSE Rancher

– Backup and Restore a Downstream RKE Cluster

– Backup and Restore Rancher

• Lecture + Lab: Study Guide

Course Schedule

Date	Time	Price	Options

Why Professional Choose TOPTALENT?

Dedicated Texas-Based Support

Get assistance every step of the way from our **Texas-based team**, ensuring your training experience is hassle-free and aligned with your goals.

3000+ Curated Professional Courses

Access an extensive portfolio of over 3000 courses across IT, Business Application and Leadership – Designed to meet evolving Industry demands

95% Client Approval Rating

Trusted by professionals nationwide our 95% approval rating reflects consistent quality, measurable impact and exceptional service.

Certified Industry Instructor

Learn from professionaly certified experts with real world experience and a proven commitment to learner success.

For questions

call:

(469) 721-6100

Email:

info@toptalentlearning.com

Find More Training

FAQ

What if I have to reschedule my class due to conflict?

Ten (10) business days' notice is required to reschedule a class with no additional fees. Notify TOPTALENT LEARNING as soon as possible at 469-721-6100 or by written notification to info@toptalentlearning.com to avoid rescheduling penalties.

How do I enroll for this class?

Please contact our team at 469-721-6100; we will gladly guide you through the online purchasing process.

What happens once I purchase a class?

You will receive a receipt and an enrollment confirmation sent to the email you submitted at purchase. Your enrollment email will have instructions on how to access the class. Any additional questions our team is here to support you. Please call us at 469-721-6100.

What is your late policy?

If a student is 15 minutes late, they risk losing their seat to a standby student. If a student is 30 minutes late or more, they will need to reschedule. A no-show fee will apply. Retakes are enrolled on a stand-by basis. The student must supply previously issued courseware. Additional fees may apply.

What happens when I finish my class?

You will receive a 'Certificate of Completion' once you complete the class. If you purchased an exam voucher for the class, a team member from TOPTALENT LEARNING will reach out to discuss your readiness for the voucher and make arrangements to send it.