

# SUSE Observability Deployment and Basic Operations (OBSV201V1)

ID OBSV201V1 Price on request Duration 2 days

## Who should attend

- Devops professionals and Kubernetes administrators looking to enhance observability within their containerized environments and optimize the performance of their Kubernetes cluster
- Partner consultants who implement SUSE Observability solutions for clients, especially those with complex container deployments, who need an understanding of observability features and troubleshooting techniques
- End users who perform common administrative tasks, such as managing Kubernetes cluster daily and needing insight into monitoring, alerting and general performance
- Administrators responsible for performing in-depth troubleshooting and fine-tuning observability setups to maximize performance, handle integrations, and resolve issues in large-scale deployments
- Platform Engineers, tasked with installing and maintaining SUSE Observability, who enable their engineering teams to benefit from its monitoring and analysis capabilities, ultimately improving the reliability of application workloads

## This course is part of the following Certifications

SUSE Certified Administrator in SUSE Observability (SCA)

## Prerequisites

Attendees should have a foundational understanding of Kubernetes objects and resources, along with basic operational knowledge of Rancher Manager. This background can be acquired through the [! and Rancher Manager 2.8 for Rancher Prime Operations \(RAN201V2.8\)](#) courses. Prior experience with the Linux command line is also recommended.

## Course Objectives

This course will equip attendees with the knowledge and skills to:

- Understand the purpose and benefits of SUSE Observability for Kubernetes monitoring
- Understand its architecture, including the Observability

Server, agents, and clusters

- Install and configure SUSE Observability for effective cluster management
- Create and manage monitors for proactive issue detection
- Set up metrics, logging, and alerting for system visibility
- Implement backup and restore of observability data
- Troubleshoot and optimize observability workflows for reliable performance

## Course Content

### Section 1: Course Introduction

### Section 2: Introduction to SUSE Observability

- Purpose and Use Cases
- High Level Overview of SUSE Observability Features
- SUSE Observability Architecture

### Section 3: Installing and Upgrading SUSE Observability

- Plan for Installation
- Install SUSE Observability with Helm
- Upgrade SUSE Observability

### Section 4: Using SUSE Observability

- Introduction to the User Interface
- Introduction to the SUSE Observability Timeline
- Introduction to Open Telemetry

### Section 5: Monitoring and Alerts

- Introduction to Monitors in SUSE Observability
- Capture and Check Event Logs
- Leverage Pre-configured Kubernetes Monitors
- Tune Existing Monitors
- Create Custom Monitors
- Set Up Notifications

### Section 6: Troubleshooting SUSE Observability

- Agent Communication Failures
- Data Ingestion Issues

- Performance Bottlenecks
- Guided Troubleshooting Tools
- YAML Configuration for Troubleshooting
- Change Management in Observability
- Log Management Best Practices

## **Section 7: SUSE Observability CLI**

- Overview of the SUSE Observability CLI
- Installation and Configuration
- Core Commands and Usage

## **Section 8: Backup and Restore**

- Overview of Backup and Restore Process
- Backup strategies for SUSE Observability
- Configure Backup and Restore
- Data Retention Management

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## Training Centres worldwide



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