SUSE Observability Deployment and Basic Operations (OBSV201V1)

ID OBSV201V1 **Price** CHF 2,050.—(excl. VAT) **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 Kubernetes Administration with RKE2 (RKE201V2) and SUSE Rancher Prime Deployment and Operations (RAN201V2.12) 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

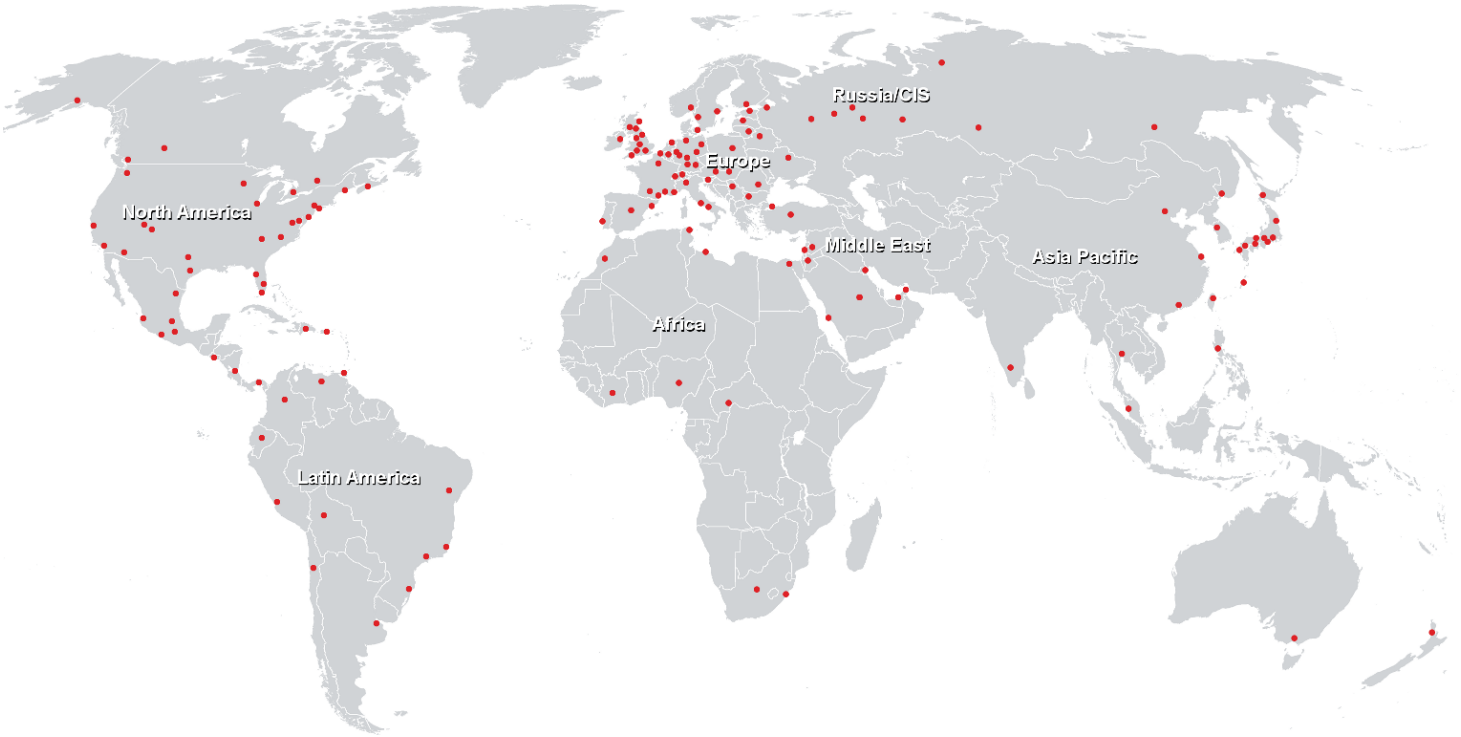
- Overview of the SUSE Observability CLI
- Installation and Configuration
- Core Commands and Usage

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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