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Sign up

# Signoz training

1 day (7 hours)

## Presentation

Signoz is a modern open source monitoring solution that enables end-to-end observation of application performance. Thanks to its native integration with OpenTelemetry, Signoz offers a powerful alternative to proprietary tools such as Datadog, while guaranteeing transparency and cost control.

This Signoz training course will enable you to fully exploit the features of this monitoring platform by supervising your logs, metrics and traces via a unified interface. You'll learn how to install and configure Signoz, understand its architecture, instrument your applications (automatically or manually), and create advanced monitoring dashboards.

At the end of this course, you'll be able to install, configure and operate Signoz, while mastering the best practices of modern application monitoring.

Like all our training courses, this one is based on the latest stable version of Signoz: [Signoz 0.87](#), and incorporates numerous practical workshops for hands-on, operational learning.

## Objectives

- Explain the key concepts of observability: logs, metrics, traces
- Describe SigNoz architecture and its components
- Instrument an application with OpenTelemetry to send traces, logs and metrics to SigNoz
- Analyze application data via the SigNoz interface (dashboards, alerting, logs)

## Target audience

- DevOps engineers
- SRE (Site Reliability Engineers)
- Back-end or full-stack developers

## Prerequisites

- Master the fundamentals of system administration (Linux or Windows)
- Basic knowledge of containerization
- Familiarity with networking and cloud/microservices architectures

## Our Signoz training program

### Introduction

- Introducing Signoz
- Open telemetry
- Signoz usage modes, architecture and components
- Deployment modes
- Workshop: Local installation of Signoz

### Discovering APM

- Simulating traffic on an application
- Hands-on workshop: Setting up instrumentation and using APM

### Introduction to logging

- Auto instrumentation and manual instrumentation
- Log searches
- Pipelines and log parsing
- Practical workshop: retrieving logs from your application and exploring in Signoz

### Metrics

- How to set up custom metrics in your application
- Using metrics in the interface

### The main theories of application monitoring dashboard design

- Implementing a dashboard, building one from scratch
- Monitoring a metric and being alerted in the event of a problem

## Openings

- Going further
- Conclusion

## Companies concerned

This course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced computer technology, or to acquire specific business knowledge or modern methods.

## Positioning on entry to training

Positioning at the start of training complies with Qualiopi quality criteria. As soon as registration is finalized, the learner receives a self-assessment questionnaire which enables us to assess his or her estimated level of proficiency in different types of technology, as well as his or her expectations and personal objectives for the forthcoming course, within the limits imposed by the selected format. This questionnaire also enables us to anticipate any connection or security difficulties within the company (intra-company or virtual classroom) which could be problematic for the follow-up and smooth running of the training session.

## Teaching methods

Practical training: 60% hands-on, 40% theory. Training material distributed in digital format to all participants.

## Organization

The course alternates theoretical input from the trainer, supported by examples, with brainstorming sessions and group work.

## Validation

At the end of the session, a multiple-choice questionnaire is used to check that skills have been correctly acquired.

## Certification

A certificate will be awarded to each trainee who completes the training course.