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Updated 06/13/2025

Sign up

OpenObserve training

2 days (14 hours)

PRESENTATION

OpenObserve will enable you to master the essential techniques for efficiently collecting, analyzing and visualizing observability data. This training course covers in detail robust methodologies and tools adapted to modern environments, such as distributed systems, cloud infrastructures and the Prometheus and OpenTelemetry platforms.

In this course, specially designed for system administrators, DevOps engineers, security analysts and all IT professionals wishing to effectively manage their observability data and improve responsiveness to operational incidents.

At the end of this course, you'll know how to configure and optimize OpenObserve for advanced management of logs, metrics and traces, create interactive and relevant dashboards, automate analysis and management of real-time alerts, and produce detailed and professional observability reports for optimal operational responsiveness.

As with all our training courses, this one uses the latest version of OpenObserve.

Objectives

- Understand in detail the fundamental and advanced concepts of observability
- Efficiently structure the use and management of OpenObserve in a complex environment
- Master the collection, integration and advanced analysis of data (logs, metrics, traces)
- Quickly identify and analyze operational incidents using observability data
- Automate investigation and alert processes
- Apply advanced methodologies for proactive surveillance (Threat Hunting)
- Managing operational crises with OpenObserve

Target audience

- System administrators
- Network administrators
- DevOps engineers
- Technical architects

Prerequisites

- Fundamental knowledge of system and network administration.
- Practical experience with at least one monitoring or observability tool.
- Familiarity with containerized or cloud environments (Docker, Kubernetes).

OpenObserve training program

Day 2: Introduction to OpenObserve and getting started

Overview and key concepts

- Understanding observability: logs, metrics and traces
- Advantages of an open-source observability solution
- Introducing OpenObserve: architecture and key features
- Quick comparison with Elastic Stack, Loki/Grafana and other alternatives
- Typical use cases and real-life examples
- A quick introduction to the OpenObserve user interface

Installation and initial configuration

- Technical requirements and system preparation
- Simple installation of OpenObserve on Docker or Kubernetes
- Initial configuration and basic security
- Initial storage setup and rapid optimization
- First integration for log collection and rapid visualization
- Practical: create your first simple dashboard

Day 2: Advanced data collection and visualization with

OpenObserve Advanced data collection and management

- Advanced implementation of log flows from various sources (applications, infrastructure)
- Native integration with Prometheus: collection of system and application metrics
- Integration with OpenTelemetry: configuring and using traces
- Optimizing collection performance and reducing storage requirements
- Efficient index and data lifecycle management
- Best practices for structuring collected data

In-depth visualization and analysis

- Advanced control of dashboards: complete creation and customization
- OpenObserve query language (filters, search, complex aggregations)
- Detect anomalies and set up data-driven alerts
- Data processing for rapid incident investigation
- Create interactive, shareable visualizations
- Practical exercises: in-depth analysis scenarios and rapid decision-making

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 enabling 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 with regard to the training to come, 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 course: 60% Practical, 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 verifies the correct acquisition of skills.

Sanction

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