
DevOps: Observability Foundation (OBSF)®

Achieve full-stack insight, resilience, and performance in modern distributed environments.

This course is given as an intensive two-day workshop introducing learners to the principles, practices, and strategies of modern observability, going beyond traditional monitoring to deliver actionable insights across distributed, cloud-native, and microservices architectures. Learners gain a 360-degree view of building resilient systems, including metrics, logs, traces, OpenTelemetry, network and container observability, and organizational maturity models.

DEVOPS VERSION

This course introduces the Observability principles and is based on the Observability Foundation v1.1 Exam Requirements

LANGUAGE

The course, course materials and exam are in English.

COURSE OBJECTIVES

In two days, participants will acquire the knowledge and skills required to:

- Explain core observability principles, including logs, metrics, and traces.
- Distinguish observability vs. monitoring and why traditional monitoring is insufficient.
- Implement an observability culture and maturity model.
- Apply OpenTelemetry standards for distributed tracing and system insight.
- Integrate full-stack observability across network, container, and cloud-native environments.
- Understand how observability can support DevSecOps, AIOps, and resilience strategies.

TARGET AUDIENCE

IT professionals and engineers who want to understand and implement comprehensive observability across modern distributed systems.

COURSE STRUCTURE

This course comprises a series of interactive discussions supplemented by case studies and classroom exercises resembling exams.

STUDY DAYS

2 days of learning, including the final exam (scheduled later by candidate).

COURSE CONTENT

The following elements are covered in this course:

- Observability Fundamentals: Key concepts, definitions, and cultural impact
- Observability vs Monitoring: Why monitoring alone is not enough
- Three Pillars: Logs, metrics, and traces explained
- OpenTelemetry Standards: Distributed tracing and instrumentation
- Full-Stack Observability: Containers, network, cloud, and system layers
- Observability Maturity Models: Assessing and improving observability practice
- DevSecOps & AIOps Integration: Leveraging observability for security and AI-assisted operations
- Resilience Strategies: Enhancing reliability in distributed ecosystem

COURSE PLAN

Day 1:

- Introduction to observability concepts and culture
- Differences between monitoring and observability
- In-depth view of the three pillars: logs, metrics, traces
- OpenTelemetry and distributed tracing

Day 2:

- Full-stack observability for containers, network, and cloud
- Observability maturity model and strategy building
- Integrating observability with DevSecOps and AIOps
- Practical use cases, review, and exam preparation

PREREQUISITE

No formal prerequisites required

EXAM

The official DOI/PeopleCert Observability Foundation exam is included.

The participant will receive a voucher valid for 12 months to write their exam and will need to schedule his/her exam.

The Certification exam will be written electronically following the training. This requires access to a connected computer with active audio and video.

Format: 40 multiple-choice questions.

Duration: 60 minutes.

It is recommended to get the training from an accredited organization with an accredited training material.