
DevOps: AIOps Foundation

Learn the fundamentals of Artificial Intelligence for IT Operations (AIOps)

This course is given as an intensive two-day workshop and introduces the foundational concepts of AIOps, including artificial intelligence, machine learning, big data, and automation in IT operations. The course explores how AIOps supports DevOps, Site Reliability Engineering (SRE), and modern IT service management by enabling proactive, data-driven decision-making. Participants prepare for the DevOps Institute / PeopleCert AIOps Foundation certification exam

DEVOPS VERSION

This course introduces the AIOps principles and is based on the AIOps Foundation Exam v1.1 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 AIOps concepts and terminology
- Describe the role of AIOps in DevOps and IT operations
- Understand big data and machine learning fundamentals
- Identify common AIOps use cases and metrics
- Evaluate organizational readiness and adoption challenges
- Prepare confidently for the PeopleCert AIOps Foundation exam

TARGET AUDIENCE

IT professionals, DevOps practitioners, Site Reliability Engineers (SREs), IT operations staff, and managers involved in digital transformation initiatives

COURSE STRUCTURE

This course comprises interactive discussions, and exam-style exercises designed to reinforce AIOps concepts and other exercises.

STUDY DAYS

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

COURSE CONTENT

The following elements are covered in this course:

- Introduction to AIOps and its evolution
- AIOps in the organizational context
- Big data concepts for AIOps
- Machine learning fundamentals
- Operational metrics and measurement
- AIOps use cases and mindset shifts
- Evaluating AIOps impact
- Implementing AIOps in practice

COURSE PLAN

Day 1:

- AIOps fundamentals and core concepts
- Organizational integration
- Big data foundations
- Machine learning basics

Day 2:

- Operational metrics and use cases
- Evaluating and measuring impact
- Implementation challenges and best practices
- Review and exam preparation

PREREQUISITE

None (basic IT operations knowledge recommended)

EXAM

The official DOI/PeopleCert AIOps 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.