

DevOps Institute: AIOps Foundation (AIOF)® - Including Exam

Duration: 2 Days Course Code: DEVAIOF Version: 1.1

Overview:

This AIOps Foundation (AIOF)® course aims to cover the origins of AIOps including the history behind the term, patterns that preceded it and the technology context in which it has evolved. Learners will gain an understanding of the processes of combining big data analytics, machine learning algorithms, automation, and optimization into a single platform.

This course introduces key principles and foundational concepts along with the core technologies of AIOps: big data and machine learning. The course will provide students with an understanding of how and why digital transformation, together with the evolution of machine learning, have brought about the rise of AIOps as an indispensable tool in today's IT Operational landscape.

Core technologies of machine learning and big data will be discussed, as well as the basic concepts of artificial intelligence, different types of machine learning models that can be implemented, and the relationship between AIOps and MLOps, DevOps and Site Reliability.

This foundation course will also provide the student with a solid understanding of the benefits of implementing AIOps in the organization, including common challenges and key steps in ensuring valuable and successful integration of artificial intelligence in the day to day operations of information technology solutions.

Unique and exciting exercises will be used to apply the concepts covered in the course and sample documents, templates, tools, and techniques will be provided to use after the class.

This course positions learners to successfully complete the AIOps Foundation certification exam.

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Target Audience:

The target audience for the AIOps Foundation (AIOF)® course are professionals including: Anyone focused on IT Operations Anyone interested in software in today's IT landscape AIOps Architects and Engineers Business Managers, Stakeholders Cloud Engineers Data Engineers and Scientists DevOps Engineers and Practitioners IT Directors IT Managers IT Security Analysts IT Team Leaders Product Owners Scrum Masters Software Engineers Site Reliability Engineers System Integrators AIOps Platform and Tool Providers

Objectives:

- **At the end of the course, the following learning objectives are expected to be achieved:**
- Clear understanding of the history, origins and current developments of AIOps
- Define and comprehend basic concepts and key principles within AIOps
- Understand general concepts of big data and artificial intelligence, and how they relate to AIOps
- Recognize the relationship between AIOps and MLOps
- Understand the effectiveness of AIOps deployment and possible benefits
- Understand the changes in mindset, collaboration and skills for AIOps to be applied in the organization
- Quantify outcomes of an AIOps implementation leveraging industry standard metrics
- Understand usual challenges and opportunities of applying AIOps in the organization
- Visualize the challenges, trends and ethical considerations organizations might face while deploying an AIOps initiative

Prerequisites:

Attendees should meet the following prerequisites:

- Familiarity with IT terminology and IT related work experience are recommended.

Testing and Certification

Recommended as preparation for the following exams:

- **AIOps Foundation (AIOF)®** certification exam. Successfully passing (65%) the 60-minute examination, consisting of 40 multiple-choice questions, leads to the AIOps Foundation certificate. The certification is governed and maintained by DevOps Institute, a member of the PeopleCert Group.

Content:

Course Introduction	Module 3: Core Technologies: Data	Module 6: AIOps Use Cases and Organizational Mindset
Module 1: AIOps Foundation	Module 4: Core Technologies: Machine Learning (ML)	Module 7: Evaluating AIOps Impact
Module 2: AIOps in the Organization	Module 5: AIOps and Operations Metrics	Module 8: Implementing AIOps in the Organization

Additional Information:

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Further Information:

For More information, or to book your course, please call us on 00 971 4 446 4987

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