DEVOPS INSTITUTE: AIOPS FOUNDATION

Course Code: 831010

Gain an understanding of the processes of combining big data analytics, machine learning algorithms, automation, and optimization into a single platform.

This AIOps Foundation 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.

What You'll Learn

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

Who Needs to Attend

The target audience for the AIOps Foundation 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

Prerequisites

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

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VIRTUAL CLASSROOM LIVE	$2,070 CAD	2 Day

Virtual Classroom Live Outline

Course Introduction

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

May 14 - 15, 2026 | 8:30 AM - 4:30 PM EDT

Aug 13 - 14, 2026 | 8:30 AM - 4:30 PM EDT

Oct 29 - 30, 2026 | 8:30 AM - 4:30 PM EDT

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PRIVATE GROUP TRAINING	2 Day

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