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DevOps Institute AIOps Foundation Training

DevOps Institute Authorized Training · Applied Technology Academy

As companies deploy code faster and more often than ever, new vulnerabilities are also accelerating. When the boss says, “Do more with less”, DevOps practices adds business and security value as an integral, strategic component. Delivering development, security, and operations at the speed of business should be an essential component for any modern enterprise.

LEVEL	DURATION	EXPERIENCE	AVERAGE SALARY	LABS
Foundation	**2 Days**	**1 year: IT**	**$134,040**	**No**

Course Overview

This course introduces the history, origins, and current developments of AIOps (Artificial Intelligence for IT Operations). You will gain a foundational understanding of how big data analytics, machine learning algorithms, automation, and optimization are combined into a single platform. The certification validates your knowledge of key principles and core technologies—big data and machine learning—that drive the rise of AIOps as an indispensable tool in today’s rapidly evolving, cloud-native IT operational landscape.

Upon completion, you will be able to:

- Understand 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 and possible benefits of AIOps deployment.
- Understand the required changes in mindset, collaboration, and skills for AIOps to be applied effectively.
- 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.

Course 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**

Intended Audience

The target audience for the AIOps Foundation course are professionals including:

- Anyone focused on IT Operations
- AIOps Architects and Engineers
- Data Engineers and Scientists
- DevOps Engineers and Practitioners
- Site Reliability Engineers (SREs)
- IT Managers, Directors, and Team Leaders
- Security Analysts, Consultants, and System Integrators
- Business Managers, Stakeholders, and Product Owners

Prerequisites

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

Follow-On Courses

- DevOps Leader (DOL)
- DevOps Foundation
- AI/ML Specialist
- Intro to Python

Ready to enroll? Call 800.674.3550 or email Info@AppliedTechAc.com — private team cohorts, GSA MAS purchasing, military credentialing funding, VA GI Bill and VR&E and student financing available.