



Information Technology

DevOps Foundation and DevOps Leadership

Course Introduction

This comprehensive DevOps training program combines the foundational principles of DevOps with advanced leadership strategies to empower participants with the knowledge and skills needed to drive organizational transformation. Through the DevOps Foundation course, participants gain an introduction to DevOps concepts, emphasizing communication, collaboration, integration, and automation to enhance workflows between development and IT operations teams. With a focus on agile software development and service design, this course lays the groundwork for understanding DevOps principles and methodologies.

The DevOps Leadership

Building upon this foundation, the DevOps Leadership course offers a transformative learning experience tailored for individuals seeking to lead organizational change through DevOps implementation. Participants learn innovative leadership techniques and collaboration strategies to foster cultural evolution and break down organizational silos across all levels of the IT department. Through practical insights, real-life scenarios, and case studies, attendees acquire valuable skills, methods, and tools to effectively engage stakeholders and navigate the complexities of DevOps adoption.

Training Course Methodology

The training course is designed to be interactive and participatory, and includes various learning tools to enable the participants to operate effectively and efficiently in a multifunctional environment. The course will use lectures and presentations, exercises, experiential and exposure to real world problems and policy choices confronting delegates.

Target Audience

This training course is designed for professionals engaged in IT development, IT operations and IT service management.

Learning Objectives

- Gain insights into the significance of DevOps from both business and IT perspectives, and understanding the practical benefits and proven results of adopting DevOps principles for organizational success.
- Explore the fundamental concepts of DevOps, including its goals, added value, and principles (The Three Ways).
- Understand the relationship between DevOps and other frameworks such as Agile, Lean, and IT Service Management.
- Identify key characteristics, organizational considerations, stakeholders, roles, teams, and organizational structures in order to foster a collaborative and high-performing DevOps environment within their organizations.
- Differentiate between DevOps IT and Traditional IT, identifying key organizational and operational distinctions, and learn how to adapt performance standards and measurement approaches accordingly.
- Explore transformational leadership principles and strategies for redesigning organizational structures to align with DevOps principles, focusing on key design principles, work processes, information flow, and performance metrics.
- Master the concept of Value Stream Mapping, its significance, and practical application, including various types of maps, data collection techniques, handling exceptions, and engaging in hands-on exercises to create Value Stream Maps.

Course Outline

- **Day 01**

- INTRODUCTION: WHY DEVOPS?**

- From a business perspective

- From an IT perspective
- Stereotypes of Dev and Ops: perception and reality

WHAT IS DEVOPS?

- Introduction DevOps
 - Goals DevOps
 - Added value of DevOps
 - Proven Results
 - DevOps for businesses
 - DevOps principles (The Three Ways)
- **Day 02**

DEVOPS AND OTHER FRAMEWORKS

- DevOps and Agile
- DevOps and Lean
- DevOps and IT Service Management

DEVOPS CULTURE

- Characteristics of a DevOps culture
 - Organizational Considerations DevOps
 - DevOps stakeholders
 - DevOps roles
 - DevOps teams
 - DevOps organizational structures
- **Day 03**

DEVOPS METHODS

- Continuous Integration

- Continuous delivery
- Continuous deployment
- Value stream mapping
- Kanban
- Theory of Constraints
- Improvement Kata
- Deming's quality circle
- ITSM processes
- DevOps and Automation

METHODS FOR DEVOPS AUTOMATION

- Longevity and tools categories DevOps applications
- Transitioning to a DevOps culture

IMPLEMENTATION

- Challenges, risks and critical success factors
- Measuring DevOps successes
- **Day 04**

DevOps Leader (DOL)

Key Differences Between DevOps IT and Traditional IT

- What Sets DevOps IT apart from Traditional IT
- How DevOps IT is Organized Differently
- How to Perform to a Different Standard
- How to Use Different Measurements

Becoming a DevOps organization

- Transformational Leadership
- Redesigning An Organization for DevOps
- Design Principles
- Focus
- Work
- Information
- Metrics

Value Stream Mapping

- What is Value Stream Mapping?
- Why Do We Need to Use this Framework?
- Types of Maps
- How to Create a Value Stream Map?
- Types of Data to Collect
- How to Handle Exceptions
- Value Stream Mapping Exercise

Squad Organizational Model

- Conway's Law
- The Problem with Silos
- Spotify's Squad Organization Model (Structure, Roles)
- Squads
- Tribes
- Chapters
- Guilds
- How to Reorganize in Order to Move to this Model

• Day 05

Managing Culture Change

- What is Culture and How Does it Impact Performance?
- Types of IT Culture
- Cultural Traits of a DevOps Organization
- How to Manage Change

Culture and its Impact on Performance

- Types of IT Culture
- What is a DevOps Culture
- How To Manage Change
- The Three Phases Of Change
- Types of Changes That Need to be Implemented

Popular DevOps Tools and Practices

- DevOps Tools Periodic Table
- Top DevOps Tool Categories
- Common and Popular Practices

Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
May 12, 2025	May 16, 2025	5 days	4250.00 \$	UAE - Dubai
July 7, 2025	July 11, 2025	5 days	4950.00 \$	Austria - Vienna

FROM	TO	DURATION	FEES	LOCATION
Nov. 24, 2025	Nov. 28, 2025	5 days	4250.00 \$	UAE - Abu Dhabi