

## DevOps Leader

### Overview

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The DevOps Leader course is a unique and practical experience for participants who want to take a transformational leadership approach and make an impact within their organization by implementing DevOps. Leading people through a cultural transformation requires new skills, innovative thinking, and transformational leadership. Leaders up, down and across the IT organization must align and collaborate to break down silos and evolve the organization. The course highlights the human dynamics of cultural change and equips participants with practices, methods, and tools to engage people across the DevOps spectrum through the use of real-life scenarios and case studies. Upon completion of the course, participants will have tangible takeaways to leverage when back in the office such as understanding Value Stream Mapping. This course prepares you for the DevOps Leader (DOL)® certification.

### Prerequisites

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- DevOps Foundation

### Prerequisite Comments

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The DevOps Foundation certification is a prerequisite for DevOps Leader to ensure participants are aligned with the baseline DevOps definitions and principles.

### Target Audience

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The target audience for the DevOps Leader course are professionals including:  
Anyone starting or leading a DevOps cultural transformation program  
Anyone interested in modern IT leadership and organizational change approaches  
Business Managers  
Business Stakeholders  
Change Agents  
Consultants  
DevOps Consultants  
DevOps Engineers  
IT Directors  
IT Managers  
IT Team Leaders  
Lean Coaches  
Practitioners  
Product Owners  
Scrum Masters  
System Integrators  
Tool Providers

### Course Objectives

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The learning objectives for DOL include a practical understanding of:

- DevOps and time to market
- The business and IT perspectives
- Key differences between DevOps IT and traditional IT
- Planning and organizing
- Understanding performance and culture
- Measurement differences
- Designing a DevOps organization
- Focusing on what matters
- Ideas for organizing workflows
- Sharing information
- Defining meaningful metrics
- Value stream mapping
- The Spotify Squad model
- Managing culture change
- Popular tools and key practices
- Putting it all together

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## Course Outline

### 1 - Course Introduction

- Course Goals
- Course Agenda

### 2 - DevOps and Time

- What is DevOps?
- Why Do DevOps
- Companies Doing DevOps
- The Magic Equation

### 3 - 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

### 4 - Becoming a DevOps organization

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

## 5 - 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

## 6 - Value Stream Mapping Exercise

## 7 - Squad Organizational Model

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

## 8 - Managing Cultural Change

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

## 9 - 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

## 10 - Popular DevOps Tools and Practices

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

## 11 - Building a Business Case

## 12 - Bringing it all Together

### 13 - Additional Sources of Information

### 14 - Exam Preparations

Exam Requirements  
Question Weighting and Terminology List  
Sample Exam Review

### Related Courses, Certifications, Exams

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- DevOps Foundation
  - Certified DevOps Leader
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