

DevOps Leader (DevOps Institute)

Overview

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. This course may earn a Credly Badge.

Prerequisites

- DevOps Foundation

Prerequisite Comments

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

Target Audience

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

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

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

- DevOps Foundation (DevOps Institute)
 - Certified DevOps Leader
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