

DevOps Leader (DOL)®

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.

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

Course Introduction

- Course Goals
- Course Agenda

DevOps and Time

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

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 Re-organize in Order to Move to this Model

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

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

Building a Business Case

Bringing it all Together

Additional Sources of Information

Exam Preparations

Exam Requirements
Question Weighting and Terminology List
Sample Exam Review

Related Courses, Certifications, Exams

- Certified DevOps Leader
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