

Introduces new and innovative ways to organize and manage value streams using DevOps practices. Tailored for those engaged in a DevOps evolution.

DURATION: approx 4-5 hours

ACCESS: Learners will have 90 days access to the online course

OVERVIEW

The DevOps Leader SKILup eLearning course is for learners who want to take a transformational leadership approach and make an impact within their organization by implementing DevOps. Leading people through a DevOps evolution requires new skills, tools, innovative thinking, and transformational leadership. Leaders up, down and across an organization must align and collaborate to break down silos and evolve the organization.

This online course highlights the human dynamics of cultural change and discusses practices, methods, and tools to engage people across the DevOps spectrum. Upon completion of the course, participants will have learned takeaways to leverage when back in the office such as understanding Value Stream Mapping.

The course was developed by leveraging key DevOps leadership sources to extract real-life best practices in leading DevOps initiatives and has been designed to teach the key differences and emerging practices for DevOps ways of working through leadership in a fast-paced DevOps and Agile environment.

Sample exam, value added resources, and DevOps glossary will also be provided for learners to download.

This certification positions learners to successfully complete the DevOps Leader exam.

COURSE OBJECTIVES

The learning objectives for DevOps Leader include an understanding of:

- DevOps and time to value
- Mindset and mental models
- Key differences between DevOps IT and traditional IT
- Target operating models and organizational design
- Performance management, rewards and motivation
- Preparing investment cases
- Focusing on value outcomes
- Ideas for organizing workflows

- Empowerment and participation
- Defining meaningful metrics
- Value stream mapping
- Driving cultural and behavioral change

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

LEARNER MATERIALS

- Approximately 4-5 hours of learning videos
- Sample exam
- DevOps Glossary
- Access to additional value-added resources and communities

PREREQUISITES

An understanding and knowledge of common DevOps terminology and concepts and related work experience are recommended.

CERTIFICATION EXAM

Successfully passing (65%) the 60-minute examination, consisting of 40 multiple-choice questions, leads to the candidate's designation as a certified DevOps Leader (DOL). The certification is governed and maintained by DevOps Institute.

COURSE OUTLINE

- Course Introduction (2 min)
 - Course Goals
 - Course Agenda
- Module 1: DevOps and Transformational Leadership (33 min)
 - Current Definitions of DevOps
 - Benefits of DevOps
 - Transformational Leadership
- Module 2: Unlearning Behaviors (25 min)
 - Psychological Safety and Neuroscience
 - Mindset, Mental Models and Cognitive Bias
 - Governance, Risk and Compliance (GRC) and DevOps
- Module 3: Becoming a DevOps Organization (35 min)
 - How DevOps Differs
 - DevOps Kaizen
 - Building Safety In
- Module 4: Measure to Learn (17 min)
 - Avoiding Measure to Target
 - Creating a Current Value Stream Map
- Module 5: Measure to Improve (17 min)
 - The Improvement Kata and Experiments
 - Creating a Future Value Stream Map
- Module 6: Target Operating Models and Organizational Design (31 min)
 - Conway's Law
 - Desired Outcomes of DevOps
 - DevOps TOM Design Principles
- Module 7: Articulating and Socializing Vision (32 min)
 - Organizational Change in Large Enterprises
 - Empowering People
 - Broadcasting Outside of Your Organization
- Module 8: Maintaining Energy and Momentum (52 min)
 - The DevOps Business Case
 - Culture and Climate
 - A High-Trust Culture
- Additional Sources of Information
- Exam Preparation Materials
 - Exam Requirements, Question Weighting, and Terminology List
 - Sample Exam Review