



DEVOPS FOUNDATION®

DURATION: 2 DAYS



**DEVOPS/
NEW WAYS**

COURSE CONTENTS

- 1. INTRODUCTION**
- 2. WHY DEVOPS?**
 - The Business Perspective
 - The IT Perspective
 - Dev and Ops Stereotypes: Perceptions and Realities
- 3. WHAT IS DEVOPS?**
 - DevOps Introduction, Stakeholders, Goals, Values, Business Value
 - What DevOps is NOT
 - Who's Doing DevOps
 - Enterprise DevOps
- 4. DEVOPS & OTHER FRAMEWORKS**
 - DevOps and IT Performance
 - DevOps and Automation
 - Measuring DevOps Success
 - DevOps Principles, Patterns
 - DevOps and Other Frameworks DevOps and Agile
 - DevOps and Lean
 - DevOps and IT Service Management
- 5. DEVOPS CULTURE**
 - Understanding Organisational Culture
 - Characteristics of Organisational Culture
 - Characteristics of a DevOps Culture
 - Managing Culture Change
- 6. DEVOPS ORGANISATIONAL CONSIDERATIONS**
 - DevOps Skills, Teams, Organisational Structures, Roles
 - Promoting Collaboration
 - Improving Communication
- 7. DEVOPS PRACTICES**
 - Continuous Integration
 - Continuous Delivery
 - Continuous Deployment
 - Value Stream Mapping
 - Kanban
 - Theory of Constraints
 - Experimentation and Learning
 - The Deming Cycle
 - Improvement Kata
 - Preparing for Failure
 - ITSM Process Improvement Practices
- 8. DEVOPS AUTOMATION PRACTICES AND TOOL CATEGORIES**
 - DevOps Automation Practices
 - Where to Begin
 - Application Life Concerns and Tool Categories
- 9. ADOPTING A DEVOPS CULTURE**
 - Getting Started
 - Challenges, Risks and Critical Success Factors
- 10. SUMMARY & EXAM PREPARATIONS**
 - Additional Sources of Information
 - Exam Requirements, Questions, Weighting and Terminology List

This 2-day DevOps Foundation course provides the definitive introduction to DevOps – the cultural and professional movement that stresses communication, collaboration, integration and automation in order to improve the flow of work between software developers and IT operations professionals. Improved workflows will result in an improved ability to design, develop, deploy and operate software and services faster.

This course features two days of instructor-led training and exercise facilitation, participation in unique exercises designed to apply concepts, sample documents, templates, tools and techniques, along with access to additional sources of information and communities.

WHO SHOULD ATTEND

The DevOps Foundation course is designed for::

- Individuals and organisations seeking a foundational understanding of DevOps
- Employees and managers responsible for designing, reengineering or improving process
- Consultants guiding their clients through process improvement initiatives
- Internal and external suppliers
- Process stakeholders

LEARNING OUTCOMES

The objectives for this course include an understanding of:

- DevOps objectives and vocabulary
- Benefits to business concepts and practices; including its relationship to Agile, Lean IT & IT Service Management
- Improved workflows
- Improved communication and feedback loops
- Reliance on automation
- Applying DevOps in an enterprise environment
- Critical success factors and key performance indicators
- Real-life examples and results

**GET AHEAD OF THE GAME
GET CERTIFIED**

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ALC is accredited by DevOps Institute to deliver
DevOps Foundation® Training