

DevSecOps Foundation

Overview

In this course, students will gain a solid understanding of the leadership requirements for successful DevOps adoption at both the tactical and strategic levels for those who help design, influence, implement and motivate the cultural transformation. This course prepares you for the DevSecOps Foundation (DSOF) certification.

Target Audience

This course is intended for:

- Anyone starting or leading a DevOps cultural transformation program
- Anyone interested in modern IT leadership and organizational change approaches
- Business Analysts
- Business Stakeholders
- Consultants
- DevOps tool providers
- IT Operations Managers
- IT Leadership
- Practitioners and change agents
- Project Managers
- Systems Integrators
- Team Leaders, Managers, Directors
- Tool Suppliers

Course Objectives

- The Golden Circle
- Understanding organizational culture and organizational change
- Conway's Law and its influence on DevOps and systems thinking
- Strategies for leading cultural transformations
- Evolving silos into flat, team based organizations
- Managing conflict
- Creating feedback loops
- Creating learning environments
- Avoiding change fatigue
- Managing conflict
- Communication and collaboration strategies
- Meaningful metrics
- Resourcing for DevOps
- Demonstrating DevOps ROI
- Critical success factors
- Getting started

[Register Online](#)

Schedule

Class Length: 2 Days

G2R = "Guaranteed to Run" | OLL = "Online LIVE"
 ILT = "Instructor-Led-Training"

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|----------|-----|------------------|------------|-----|------------|
| 08/09/21 | G2R | 9:00AM - 5:00PM | Ottawa, ON | OLL | \$1,995.00 |
| 10/11/21 | G2R | 11:00AM - 7:00PM | Ottawa, ON | OLL | \$1,995.00 |

Course Outline

1 - Course Introduction

Course Goals
Course Agenda

2 - Why DevSecOps

Key Terms and Concepts
Why DevSecOps is important
3 Ways to Think About DevOps+Security
Key Principles of DevSecOps

3 - Culture and Management

Key Terms and Concepts
Incentive Model
Resilience
Organizational Culture
Generativity
Erickson, Westrum, and LaLoux
Exercise: Influencing Culture

4 - Strategic Considerations

Key Terms and Concepts
How Much Security is Enough?
Threat Modeling
Context is Everything
Risk Management in a High-velocity World
Exercise: Measuring For Success

5 - General Security Considerations

Avoiding the Checkbox Trap
Basic Security Hygiene
Architectural Considerations
Federated Identity
Log Management

6 - IAM: Identity & Access Management

- Key Terms and Concepts
- IAM Basic Concepts
- Why IAM is Important
- Implementation Guidance
- Automation Opportunities
- How to Hurt Yourself with IAM
- Exercise: Overcoming IAM Challenges

7 - Application Security

- Application Security Testing (AST)
- Testing Techniques
- Prioritizing Testing Techniques
- Issue Management Integration
- Threat Modeling
- Leveraging Automation

8 - Operational Security

- Key Terms and Concepts
- Basic Security Hygiene Practices
- Role of Operations Management
- The Ops Environment
- Exercise: Adding Security to Your CI/CD Pipeline

9 - Governance, Risk, Compliance (GRC) and Audit

- Key Terms and Concepts
- What is GRC?
- Why Care About GRC?
- Rethinking Policies
- Policy as Code
- Shifting Audit Left
- 3 Myths of Segregation of Duties vs. DevOps
- Exercise: Making Policies, Audit and Compliance

10 - Logging, Monitoring and Response

- Key Terms and Concepts
- Setting Up Log Management
- Incident Response and Forensics
- Threat Intelligence and Information Sharing

11 - Course Review

Where We Started
What We Covered
Key Reminders of What's Important
Exercise: Creating a Personal Action Plan

12 - Exam Preparations

Exam Requirements, Question Weighting and

13 - Terminology List

Sample Exam Review

Related Courses, Certifications, Exams _____

- DevOps Foundation
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