

DEVOPS IMPLEMENTATION BOOT CAMP (ICP-FDO)

3 Days Classroom
3 Days Live Online

Individual: \$1695

Group: \$1595

GSA: \$1237.35

Credits: 21 PDUs

REGISTER HERE:
www.cprime.com/learning

COURSE OVERVIEW

This three-day DevOps boot camp is loaded with practical real-world tools and techniques. This comprehensive program gets you started on the road to DevOps success. You will leave this course fully literate in the whole array of available DevOps tools and lessons, ready to select what's right for you and chart a path to holistic long-term IT success in your own organization.



Participants who complete this certification will gain an excellent foundation in DevOps concepts and ingredients for a successful transition.

COURSE OUTLINE

Part 1: Introduction

1. DevOps Defined
 - DevOps (Then and Now)
 - BizDevOps
 - DevSecOps
 - AIQps
2. High-Performance IT Organizations
 - Better Throughput and Stability
 - Automation
 - Loosely-coupled Architecture
 - Transformational Leadership
 - Lean Product Management
3. History of DevOps
4. Argument for DevOps
 - Business Value of DevOps
 - Net Effect of DevOps

EXERCISE:

- Argue for the value of DevOps

Part 2: Maturing a DevOps Practice in the Enterprise

1. 5 Stages of Maturity
2. Patterns You Can Follow
 - Lean Startup Teams
 - Collaboration Tools
 - Automate Everything You Can
 - Reserve Time for Improvement
3. Organizational and Cultural Challenges
4. Value Stream Mapping
 - Value Stream Examples
 - Analyze: Lead Time
 - Analyze: Quality

- AnalyzeL Involvement

EXERCISE

- Map a Value Stream
- Analyze a Value Stream
- Plan Improvement of a Value Stream

Part 3: Your DevOps Journey: Optimize Flow

1. Principles of Flow
2. Infrastructure As Code
3. Infrastructure Configuration Management
4. Deployment Pipeline
 - Applications
 - Server Configuration
 - Firewalls
5. Deployment Pipeline Stages
6. Deployment Orchestration Tools
7. Shared Version Control
8. DevOps Quality Management
 - Shift Left
 - Small Batches, Frequent Releases, Learn From Escaped Defects
 - 5 Layers of Security Testing
 - Software vs Infrastructure Testing
9. Test Automation Pyramid
10. Strategies for Managing Test Data
11. Code Analysis Tools
12. Automated Testing Tools
13. Exercise: DevOps Quality Principles
14. Build Automation

See website for full outline

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