

DEVSECOPS BOOT CAMP

3 Days Classroom
3 Days Live Online

Individual: \$2450

Group: \$2350

GSA: \$2340

REGISTER HERE:

www.cprime.com/learning

COURSE OVERVIEW

This expert-led boot camp focuses on the principles, processes, and technical skills necessary to make security and risk profiling a front-end priority. For IT teams primarily on the end of the operations of the spectrum, this class will teach them how to shift left and collaborate on the upstream work that ultimately impacts the IT security environment, the organization's risk management, and their own daily jobs.

COURSE OUTLINE

Part 1: DevOps, Security, and DevSecOps: Definitions

1. DevOps
2. Security
3. Risk
4. Culture
5. Agility
6. Testing
7. Continuous Integration
8. Continuous Delivery

Part 2: Where do we start with security?

1. Risk review
2. Policy
3. Roles
4. Compliance, regulatory and GRC
5. The Pipeline Model
6. Exercise A: Value Stream Mapping

Part 3: Security as a DevOps practice

1. Traditional vs. "DevOps" security
2. Tools vs. processes
3. Security, not compliance
4. Prioritizing testing for risk
5. Reducing source code footprint
6. Static analysis for secure code
7. Feature toggles for security
 - Toggle points
 - Toggle router
 - Toggle configuration
8. DevSecOps and technical

debt management

Part 4: DevSecOps and "requirements"

1. Designing for security
2. Assessing risk appetite
3. Modeling threats
4. Product architecture
5. Use cases, antipatterns and abuse cases
6. Dataflows and trust boundaries
7. Exercise B: Threat Modeling

Part 5: Secure development patterns

1. Secure code overview
2. OWASP review
3. Tools for automating OWASP
 - OWASP dependency checkers
 - OWASP Zap during regular functional tests
4. Developer guidelines & checklists
5. Tools to use
6. Coding Standards (top 5 languages)
7. Common pitfalls
8. Identifying Unsafe Code

See website for full outline

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