

Training: Micro Focus FTSCAV250 - Fortify SCA and SSC



TRAINING GOALS:

This course provides participants with demonstrations and hands-on activities using a practical, solutions-based approach to identify and mitigate today's most common business security risks to applications. As a students, you will learn to scan, assess and secure applications using the Fortify Static Code Analyzer (SCA) and Software Security Center (SSC). This course includes hands-on activities to:

- Identify security vulnerabilities within Fortify SCA
- Exploit vulnerabilities in a sample application
- Remediate security vulnerabilities, including the OWASP Top 10
- Update and edit Rulepacks
- Manage applications' security issues with Fortify SSC

Upon successful completion of this course, you should be able to:

- Scan applications thoroughly and correctly in Fortify
- Assess raw scan results to create a prioritized list of high-impact security findings
- Correctly and efficiently remediate validated security findings
- Manage security goals to ensure good progress
- Integrate Fortify products with current SDLC best practices

Audience/Job Roles

This course is intended for application developers who are new to or have been using the Fortify SCA and/or SSC to develop secure applications. It is also useful for development managers, security-focused QA testers, and security experts.

CONSPECT:

- Introduction to Application Security
 - Introduction to securing your applications
- OWASP Top 10 Vulnerabilities & Hands-On Hacking

- Recognize the OWASP Top 10 vulnerabilities
- Introduction to Remediation
 - Perform a basic Threat Model and Risk Assessment
- Introduction to Fortify Administration
 - Installing Fortify
 - Recognize how Fortify scans
- Audit Workbench (AWB) Scan Results
 - Navigate Audit Workbench
- Fortify SCA (Static Code Analyzer)
 - Describe the Scanning Process
 - Explain the function of each Analyzer
- Plugins (Eclipse and Visual Studio)
 - Install and use the plugins Visual Studio and Eclipse
- Data Validation
 - Select the right data validation for a particular situation
 - Extend data validation libraries
- Analysis Trace and Remediating Vulnerabilities
 - Read the analysis trace
 - Remediate vulnerabilities
- Custom Rules
 - Build a rule
- Fortify SSC (Software Security Center)
 - Use the SSC to manage your applications
 - Run reports

REQUIREMENTS:

To be successful in this course, you should have the following prerequisites or knowledge:

- Basic programming skills (able to read Java, C/C++, or .NET)
- Basic understanding of web technologies: HTTP Requests and Responses, HTML tags, JavaScript, and server-side dynamic content (JSP, ASP or similar)
- Knowledge of Web and Application development practices
- Experience developing and/or managing software development for security
- Have an understanding of your organization's compliance requirements

Difficulty level



CERTIFICATE:

The participants will obtain certificates signed by Micro Focus (course completion).

This course prepares you also for such related Micro Focus certification exam: CSE Fortify SCA/SSC Practical Exam

TRAINER:

Authorized Micro Focus Trainer.