

Web Application Security Assessment Using WebInspect 7

Instructor-Led Training



INTENDED AUDIENCE

- Users of WebInspect
- Security Engineers
- Anyone performing Web Application Security Assessments using WebInspect 7

DURATION: 3 DAYS

PREREQUISITES

Working knowledge of:

- HTTP Methods
- Encoding (Base64, HEX, URL) techniques used in HTTP/HTTPS
- Basic understanding of web proxies

OVERVIEW

The goal of the Web Application Security Assessment course is to create awareness of application security and enable users of WebInspect to effectively perform web application assessments using WebInspect and the WebInspect Toolkit. In addition to the basic WebInspect training component, this course addresses manual assessment techniques using WebInspect and the WebInspect Toolkit including the HTTP Editor, Web Proxy, SQL Injector, and the SPI Cookie Cruncher. Appropriate and effective use of these tools is required to validate and test vulnerabilities found in most assessments.

COURSE OBJECTIVES

At the end of the course, you will be able to:

- Identify discrete Web Application vulnerabilities using manual testing techniques
- Validate discrete vulnerabilities found during the automated assessment process
- Manipulate raw http requests using Web Proxy and the HTTP Editor
- Execute automated Web Application Assessments
- Execute authenticated, comprehensive and business logic Web Application Assessments
- Configure scan settings to meet testing requirements
- Create Web Macros using the Web Macro Recorder
- Create Login Macros using the Web Macro Recorder
- Configure scan policies to meet testing requirements
- Generate standard report and documentation
- Evaluate assessment results and identify false-positives
- Validate SQL injection using the SQL Injector
- Analyze session parameters (cookies) using the Cookie Cruncher
- Use the Regular Expression Editor and encoder tools appropriately
- Analyze applications for potential false-negatives

Day 1	I. Web Application Security Overview
	II. Introduction to Vulnerabilities
	III. Quantifying the Risk
	IV. HTTP 101
	V. Encoding Techniques

Day 2	VI. Regular Expressions
	VII. WebInspect Terminology
	VIII. WebInspect User Interface
	IX. Using the WebInspect Scan Wizard
	X. Using Web Macros

Day 3	XI. Using the WebInspect Home Page
	XII. WebInspect Application Settings
	XIII. WebInspect Scan Settings
	XIV. WebInspect Toolkit