Hewlett Packard Enterprise

Course Datasheet

Attacks and Defenses Warfare on Web and Mobile Application Systems

Education Services course product number – H9P48s
Course length – 2 days
Delivery mode – Instructor Lead Training (ILT)
Register – Click here to go to HPE Learning Portal

This two-day course presenting participants with contemporary attacking techniques on web and mobile applications. It targets to help participants understand more about security advance in both attacking and defending sides on the “hacking” battlefield. Participants will have opportunities to try out practical security techniques in this course.

Audience

Web/Mobile Application Developers, System Architects, Web/Mobile Application System Administrators, Information Security Analysts, Penetration Testers, IT Auditors, and Consultants.

Prerequisites

Participants are expected to have hands-on experience in web and mobile application development, operation and/or review.

Detailed Course Outline

- Web Protocol and Attack Method
  - Web Basics & Protocols
  - Common Web Related Technologies
  - Security Testing Tools
  - Hands-on Lab

- Web Application Security Risks - Attack & Counter Measures
  - SQL Injection
  - Cross-Site Scripting
  - Cross-Site Request Forgery
  - Hands-on Lab

- Web Application Security Risks - Attack & Counter Measures
  - Broken Authentication and Session Management
  - Insecure Direct Object References
  - Missing Functional Level Access Control
  - Other Common Web Application Risks
  - Hands-on Lab

- Mobile Application Basics
  - Basics Concepts & Protocols
  - Security Testing Tools
  - Hands-on Lab

- Mobile Application Security Risks - Attack & Counter Measures
  - Common web application security risks in Mobile Apps
  - Insecure Data Storage
  - Unintended Data Leakage
  - Client Side Injection
  - Lack of Binary Protections
  - Other Common Mobile Application Risks
  - Hands-on Lab

- Other Aspects in Web/Mobile Application Security
  - Security in SDLC
  - Detection of attack
  - New Challenges and Future Trends