



Vulnerability Assessment & Management

Course Title: Vulnerability Assessment & Management

Duration: 5 days, 40 Hrs

Class Format Options:
Instructor-led Classroom

Who Should Attend:
IT professionals involved in securing enterprise systems

Prerequisites:
Students should have successfully completed Security foundation course.

Exam Cost:
50 USD via IT Security C&T

Course Overview

Security professionals are faced with an overwhelming number of security advisories, intrusion and firewall alerts, and vulnerability reports. Knowledge of actual hacking techniques and scenarios permits a more effective response against the growing threats from Internet access and presence.

In this **5-day** course, you apply exploits and run vulnerability scans to better secure networks, servers and workstations. You learn to assess the risk to your enterprise from specific vulnerabilities, and to continually control your exposure and response to current security threats by implementing preventative measures.

You'll also be introduced to Vulnerability Management methodology, industry best practices, and technologies.

Upon Completion

Students will:

- Identify Vulnerability Assessment and Management Processes, techniques, and technologies.
- Understand the different criteria in selecting a vulnerability assessment technology
- Conduct vulnerability assessment activities like vulnerability scanning, research, analysis, and reporting.
- Provide insight into establishing or enhancing the vulnerability management process in the organization.
- Integrate advisories and alerts into your security practices and procedures.
- Respond to evolving risk levels by prioritizing your defensive resources.
- Manage ongoing vulnerability assessment.

Course Content

Vulnerability Assessment – The Basics

- Definitions and Basic Concepts
- Why Security Fail
- The need for VA & VM
- Types of Vulnerability Assessments
- Vulnerability Assessment Methodology
- Scoping the VA job
- The VA Team
- VA Tools Overview

Vulnerability Research

- Vulnerability Categories
- The CVE
- Vulnerability Information
- Resources
- What to look for?

Vulnerability Assessment Technologies

- Different Technology Architectures
- Passive Vulnerability Analysis
- Active Vulnerability Analysis
- Using Nessus
- Using Qualys

Vulnerability Analysis & Reporting

- Vulnerability Analysis
- Vulnerability Rating Scales
- The VA Report

Vulnerability Management

- The Need for Vulnerability Management
- Challenges and enhancement
- Opportunities
- Undertaking Vulnerability Management
- Vulnerability Management Life Cycle

Vulnerability Management Technologies

- Qualys Guard
- Rapid7
- Tenable Security Center