

Course Title:

Vulnerability Assessment
Workshop

Duration:

5 days, 20 Hrs
4 hours per day

Class Format Options:

Instructor-led classroom
- Practical Training.

Who Should Attend:

- Cyber Security Professionals
- SOC Managers
- SOC Engineers
- IT Auditors
- Security Consultants
- System Administrators
- IS Managers
- IT Departments

Prerequisites:

A general knowledge
of information systems
and security

Course Overview

Cyber Security professionals are faced with an overwhelming number of security intrusion and UTM alerts, and vulnerability reports, In this **5 days 100% practical training**, you will learn how to install, operate OpenVAS 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.

OpenVAS has a loyal community that are adamant about the usefulness of the program, as it is a framework that comprises multiple vulnerability scanning and vulnerability management tools.

VAW covers:

- Setup and Run OpenVAS on VM.
- administration and fine tuning for OpenVAS Greenbone.
- Configuring community feeds for OpenVAS.
- Detecting vulnerability and Threats on a network.
- Detecting vulnerability and Threats on a website.
- Detecting and analyzing system and network vulnerabilities.
- Continuous process improvement by discovering the root causes of vulnerabilities.

Upon completion student will be able to:

- Identify Vulnerability Assessment and Management Processes.
- Understand the different criteria in selecting a vulnerability assessment.
- Install OpenVAS in-depth, including updating feeds.
- Conduct vulnerability assessment activities like vulnerability scanning
- Research, analysis, and reporting.
- Respond to evolving risk levels by prioritizing your defensive resources.
- Manage ongoing vulnerability assessment.

Day 1 Agenda

- > Training Course Paths
- > BLUE Team vs RED Team
- > Training Course Type
- > What is ASSETS?
- > What is Threats
- > What is Vulnerabilities
- > Example of Vulnerabilities
- > Vulnerabilities Assessment
- > Vulnerabilities Management
- > Benefits of VA & VM
- > VA/VM Solutions
- > Top 125 Network Security Tools
- > Vulnerability Research Resources
- > Vulnerability Reference
- > Risk, Risk Assessment, Risk Management
- > Risk Methodology
- > Sample Attacks – Buffer Overflow
- > Sample Attacks – XSS
- > Sample Attacks – Cross-site request forgery
- > Sample Attacks – SQL Injection
- > **OpenVAS | Installation on VM**
- > **OpenVAS |** Installation from ISO file
- > **OpenVAS |** Managing Web Users
- > **OpenVAS |** Network configuration
- > **OpenVAS |** Network Interfaces
- > **OpenVAS |** DNS server
- > **OpenVAS |** Global Gateway
- > **OpenVAS |** Hostname/Domain name
- > **OpenVAS |** Management IP Addresses
- > **OpenVAS |** Display MAC/IP addresses
- > **OpenVAS |** Expert Mode

Day 2 Agenda

- > **OpenVAS |** Synchronization\Feeds
- > **OpenVAS |** Sync port
- > **OpenVAS |** Superuser
- > **OpenVAS |** Shell
- > **OpenVAS |** Manually Updating Feeds

Day 3 Agenda

- > **OpenVAS |** GUI Concepts
- > **Greenbone Security Manager**
- > **OpenVAS |** GUI Concepts - Dashboard
- > **OpenVAS |** GUI Concepts – Main Dashboard
- > **OpenVAS |** GUI Concepts – Scan Dashboard
- > **OpenVAS |** GUI Concepts – Assets Dashboard
- > **OpenVAS |** GUI Concepts – SecInfo Dashboard
- > **OpenVAS |** GUI Concepts – Charts
- > **OpenVAS |** GUI Concepts – Donut Charts
- > **OpenVAS |** GUI Concepts – Icons
- > **OpenVAS |** GUI Concepts – Powerfilter
- > **OpenVAS |** GUI Concepts – My Settings

Day 4 Agenda

- > **OpenVAS |** Simple Scan
- > **OpenVAS |** Scanning Wizard
- > **OpenVAS |** Empty Dashboard
- > **OpenVAS |** Scan Results
- > **OpenVAS |** Advanced Wizard
- > **OpenVAS |** Creating a Target
- > **OpenVAS |** status bar
- > **OpenVAS |** Scheduled Scan
- > **OpenVAS |** Scan Results
- > **OpenVAS |** False Positive
- > **OpenVAS |** Asset Management - Dashboard
- > **OpenVAS |** Asset Management - Hosts View
- > **OpenVAS |** Asset Management – Adding Hosts
- > **OpenVAS |** Asset Management – SecInfo Management

Day 5 Agenda

- > **OpenVAS |** Reports
- > **OpenVAS |** Delta Reports
- > **Final Scenario**