Publication date : 06/06/2024

Course : Nessus, conducting a vulnerability audit

Practical course - 2d - 14h00 - Ref. NES
Price : 1480 € E.T.

Nessus is the benchmark solution for auditing vulnerabilities in information systems. In this course, you will learn how to conduct a vulnerability audit on networks, Web applications, operating systems, equipment and injections of different types of malicious code.

Teaching objectives

At the end of the training, the participant will be able to:

- Installing and configuring Nessus
- Using the Nessus client
- Conducting a vulnerability audit with Nessus
- Conduct a configuration audit of Windows and Linux systems

Intended audience

Technicians, system and network administrators and auditors required to perform [[PenTest]".

Prerequisites

Basic knowledge of networks and security.

Course schedule

PARTICIPANTS

Technicians, system and network administrators and auditors required to perform [[PenTest]".

PREREQUISITES

Basic knowledge of networks and security.

TRAINER QUALIFICATIONS

The experts leading the training are specialists in the covered subjects. They have been approved by our instructional teams for both their professional knowledge and their teaching ability, for each course they teach. They have at least five to ten years of experience in their field and hold (or have held) decision-making positions in companies.

ASSESSMENT TERMS

The trainer evaluates each participant's academic progress throughout the training using multiple choice, scenarios, hands-on work and more.
Participants also complete a placement test before and after the course to measure the skills they've developed.

1 Background and positioning of Nessus

- Terminology and references relating to vulnerabilities (CVE, CWE, CVSS, AWS, CERT, etc.).
- Security audit versus vulnerability audit and penetration test.
- Positioning of different security tools and approaches: intrusion detection, scanner.
- Vulnerability auditing tools (Snort, Suricata, Nessus, OpenVas, Qualys, Acunetix...).
- Network, system and application vulnerability scanning (tools, approach and limitations).
- Introducing Nessus products.
- Client/server operating mode.
- Basic network configuration and scanning.

Hands-on work

Installation, configuration and basic network scanning.

2 Nessus components and architectures

- Nessus architecture and features.
- Plug-in integration: managing and designing plug-ins.
- Deployment of manager, agent.
- License management.

Hands-on work

Configuration and settings. Plug-in management and design.

3 Policy: design and analysis

- Definition of a basic scan policy.
- Define and manage a discovery policy (host, port, service).
- Create, configure and schedule an advanced vulnerability scan.
- Vulnerability scanning operations: scans of vulnerable Web applications, active scans, authenticated scans.
- Web application vulnerability audits.
- Designing a security policy.

Hands-on work

Security policy design and vulnerability audit. Implement a Web platform and audit Web application vulnerabilities.

4 Configuration and vulnerability audits: implementation and analysis

- Principles of configuration auditing.
- Introduction to compliance auditing.
- System audit principles: Windows, Linux/Unix.
- System and virtual environment auditing.
- Reporting and vulnerability analysis.

Hands-on work

Configuration audit of Windows and Linux systems.

TEACHING AIDS AND TECHNICAL RESOURCES

• The main teaching aids and instructional methods used in the training are audiovisual aids, documentation and course material, hands-on application exercises and corrected exercises for practical training courses, case studies and coverage of real cases for training seminars.

• At the end of each course or seminar, ORSYS provides participants with a course evaluation questionnaire that is analysed by our instructional teams.

• A check-in sheet for each half-day of attendance is provided at the end of the training, along with a course completion certificate if the trainee attended the entire session.

TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training.

ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you need special accessibility accommodations? Contact Mrs. Fosse, Disability Manager, at psh-accueil@orsys.fr to review your request and its feasibility.

Dates and locations

REMOTE CLASS
2026 : 18 June, 26 Oct.

PARIS LA DÉFENSE
2026 : 18 June, 26 Oct.