OPST (OSSTMM Professional Security Tester)

Training goals:

The OSSTMM Professional Security Tester (OPST) is ISECOM's official certification for professionals involved in security testing and reporting, based on the OSSTMM methodology http://www.isecom.org.

In order to obtain such certification, the candidates must attend a mostly practical course. At the end of the course, they are then required to take a final exam within a lab environment. The OSSTMM is a complete guide for carrying out security tests on: personnel security awareness levels, computer and telecommunication networks, wireless devices, physical security controls, and processes.

The following professional profiles have been identified by ISECOM and @ Mediaservice.net as suggested target audience

- System Administrators
- Network Administrators
- IT Security managers
- NOC and SOC security staff
- Security Testers
- Security Auditors
- Security Consultants
- All professionals involved in strategic planning in the System and Network Security fields

At the end of the course the trainees will be able to accurately execute and report the different types of security tests described in the OSSTMM methodology (Data Networks Channel), and will understand both the operational and procedural OSSTMM principles and basis.

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Training days:

3 days

Conspect:

The duration of the course is 4 days plus one reserved for the final examination. The following topics are covered:

1. Rules of Engagement: Applying the rules of engagement, as outlined in the latest version of the OSSTMM, to various scenarios.
2. Assessment: Properly and legally determining the target scope through public services, determining types of hosting, service providers, peering partners, etc.
3. Logistics: Quickly assessing limitations in the network between the tester and the target, gauging appropriate testing speed and efficiency, detection network and service protection techniques and controls.
4. Enumeration: Accurately and efficiently sending and receiving packets of any type. Using any appropriate packet tool while understanding the functioning of the tool and its limitations.
5. Application: Operating within established loss controls to identify services, applications, and protocols. Properly and independently choosing the appropriate tool and protocol for each test.
6. Identification: Correctly and accurately identifying operating system types and versions through packet and service data correlation with and without the use of fingerprinting tools.
7. Verification: Applying scientific methodology to the process of vulnerability and weakness identification and verification for an accurate determination of security limitations. Discovering exploits of known vulnerabilities for verification. Classifying new security limitations appropriately

Requirements:

- Good knowledge of the TCP/IP suite and its main protocols
- Basic experience with UNIX and Microsoft Windows systems
- Familiarity with installing and configuring security testing tools (especially with UNIX platforms); experience in the practical use of the above mentioned software is not required
- Knowledge and understanding of network architectures
- Basic knowledge of network security equipment: routers, firewalls, intrusion detection systems
- Knowledge of basic IT attack scenarios

Certificates:

The participants will obtain certificates signed by ISECOM and @Mediaservice.net (participation in a course).

Additional this course prepare for OPST exam (OPST certification) - exam is an integral part of training. The OPST is a certification of applied knowledge designed to improve the work done as a professional security tester. This is an important certification for those who want or need to prove they can walk the walk in security testing, the discipline which covers network auditing, ethical hacking, web application testing, intranet application testing, and penetration testing. Detailed information - http://www.isecom.org/certification/opst.shtml

Location:

Krakow - 5 Tatarska Street, II floor, hours: 9:00 am - 4:00 pm

Date:

May 25-27 2012

Trainer:

Authorized ISECOM Trainer

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