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CORPORATE SECURITY & IMAGE

Penetration Test

Description

The **Penetration Test** is a security assessment service that consists in the execution of thorough Ethical Hacking tests. It is based on inferential attack techniques aimed at identifying vulnerabilities that cannot be detected just by means of automated scanning and analysis tools. The security testing activity is carried out by highly qualified personnel, whose expertise and experience allow for a realistic simulation of the operations commonly performed by external or internal threat agents, employing tools and techniques typical of an actual attack scenario.

Purpose

The Penetration Test service enables the detection in the field of the technological vulnerabilities that affect the analyzed IT infrastructure. Furthermore, it allows to verify the adequacy of the implemented security policies and how the Client's personnel comply with them.

Scope

In order to provide a thorough assessment of the security posture of the analyzed IT infrastructure, the team of specialists does not restrict the analysis to the external perimeter exposed to attacks originating from the Internet public network, but instead it makes use of multiple attack vectors. @ Mediaservice.net boasts a ten-year experience in performing security tests and can therefore guarantee a complete, in-depth attack simulation for a wide range of technological scenarios, such as

Infrastructure	Applications	Telephony	Others
IP	Web	PBX	Human
Firewall	BlackBerry	RAS	Physical
VPN	Database	APN	Video Surveillance
Wi-Fi	iSeries	Backup ISDN	Biometry
SCADA	SAP	VoIP	Crypto
X.25	Client-Server	GSM/UMTS	Dumpster Diving

Approach

- Black-box: the team of specialists autonomously carries out the security analysis, without any prior knowledge of the implementation details.
- White-box: the Client shares with the team detailed information about the business processes and the application flows of interest.

Perspective

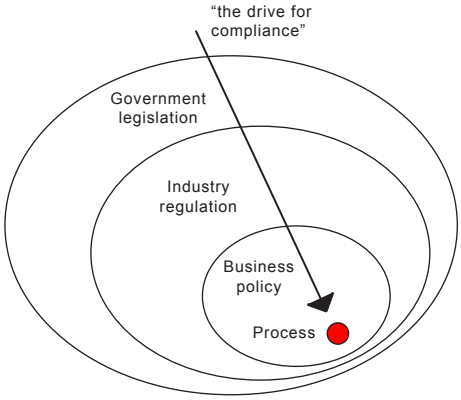
- The tests are performed from a point of view external to the Client company, in order to provide an independent and unbiased security assessment.
- During the analysis of certain attack vectors, the team of specialists can request standard credentials for accessing application services, in order to verify the possibility to bypass the authentication and authorization mechanisms in use.

Deliverables

- At the end of the testing session a detailed report is compiled, organized in two distinct levels: Executive Summary (aimed at the Client's management staff) and Technical Report (which formally documents all executed tests and their results).
- The security test report is available in Italian and, upon request, in English.
- The deliverables can optionally be OSSTMM 3.0 certified by the international organization ISECOM.

Methodology

In order to provide an independent, objective, and repeatable security assessment, the Penetration Test is performed in concordance with the most accredited analysis methodologies (OSSTMM, OWASP, ISO/IEC 15408, ITSEC, TCSEC), in compliance with the relevant international standards (ISO/IEC 27001:2005, ISO/ IEC 27002:2005, ISO/IEC 27005:2008, ITIL, COBIT, GAO, FISCAM, PCI, SOX, HIPAA, CASPR, SET, NIST Best Practices, D.lgs 196/2003, other data protection laws).



Professional resources

To carry out the described activities, only highly qualified personnel with proven experience is employed by @ Mediaservice.net, holding internationally recognized professional certifications (CISSP, OPSA, OPST, OWSE, CISA, CISM, GCFA, ISO 27001 Lead Auditor, etc.). These certifications guarantee both advanced technical skills and high ethical profile of the specialists in charge of the tests.

Depending on the agreements between the parties, the professional resources will work in team at @ Mediaservice.net labs or within Client's premises.

References and Partnerships

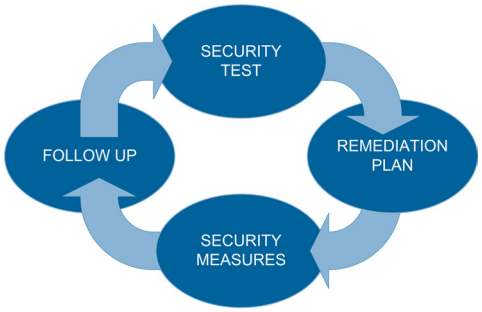
@ Mediaservice.net, thanks to its ten-year experience in the security field, can support the realization of any project in an unique way, based on internationally recognized standards and methodologies, such as:

- ISO/IEC 27001
- OSSTMM
- OWASP
- ITIL
- COBIT

Furthermore @ Mediaservice.net boasts the knowledge acquired through strategic partnerships with national and international professional associations and expertise centers.

Security management model

In order to guarantee detection and prompt patching of vulnerabilities, @ Mediaservice.net proposes a security management model that is based on a cyclic process aimed at promoting a continuous improvement of the Client's security posture.



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