

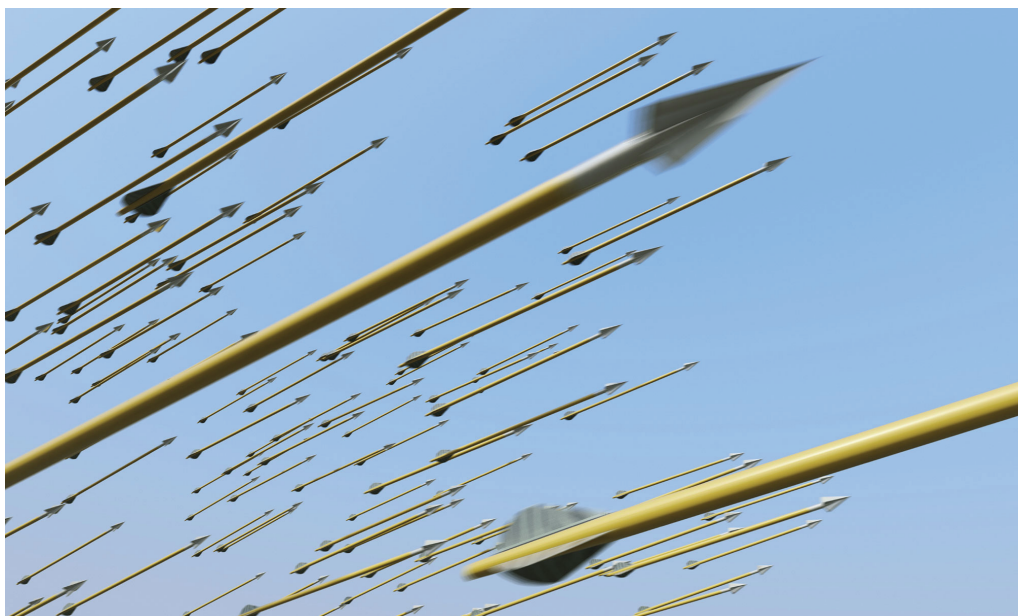


## PENETRATION TESTING

# Put your systems to the test

### Certified ethical hackers

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Penetration testing and vulnerability assessment services are performed by a team of experts who are aware of the latest threats and of the vulnerabilities exploited by hackers, as they are constantly on the lookout. These specialists, who are able to think like hackers, have specialized training and certifications such as:

- GIAC Certified Penetration Tester (GPEN)
- GIAC Web Application Penetration Tester (GWAPT)
- GIAC Exploit Researcher and Advanced Penetration Tester (GXPN)
- Certified Ethical Hacking (CEH)
- Certified Information Systems Security Professional (CISSP)

### With certified experts, a structured approach and an exclusive methodology

Whether it be to achieve protection from threats or to comply with the required industry standards, organizations must implement preventive measures to ensure that their networks and applications are adequately secured.

Vulnerability assessment is the first step in the process and consists of verifying whether the applications have exploitable flaws that could render the technological environment vulnerable. Penetration testing is then used and involves controlled attacks on the various applications and systems used to support business needs, in order to test their resistance. The analysis and test results highlight areas in need of improvement and provide recommendations to address these vulnerabilities.

The OKIOK team, made up of several dedicated experts and specialists, performed several hundred penetration tests and vulnerability assessments over the last few months. Although it positioned itself as the reference in the gaming and lottery space, the OKIOK team performed tests in several other domains including media, health care, energy, finance, transportation, government services, education et many more, on the international and national scene.

For example, OKIOK performed penetration tests and vulnerability assessments required for meeting NERC CIP compliance in the energy space as well as for complying with the PCI standard for on line payments.



## Deliverable

EXECUTIVE SUMMARY	TEST STRATEGY AND DETAILED PLAN	VULNERABILITY REPORT
Summary of scope and testing methodology	Points of contact and secure communication	Severity and CVSS score
Summary of vulnerabilities and business impact	Assets in scope and out of scope	Affected items
High-level recommendations	Test approach and techniques	Description of the technological context
Oral presentation and discussions	Technical and operational constraints	Description of the vulnerability
	Emergency procedures	Sample exploitation scenarios
		Evidence of vulnerability
		Recommendations and workarounds

## Expertise and professionalism

OKIOK's business approach rests on the importance of establishing partnerships with clients. To that end, the first step is the production of an intervention protocol to ensure that the work is done in a structured manner and in accordance with best practices. This agreement is then approved by the client and will determine the terms and conditions according to which tests will be carried out: the systems targeted and those which are to be excluded, allowable time slots, as well as any constraints and particular conditions.

## Effectiveness and relevance of reports

The analysis report is much more than a simple overview. It details the detected vulnerabilities and classifies them according to their criticality, using recognized standards such as the Common Vulnerability Scoring System (CVSS). However, OKIOK experts' engagement does not end there. In addition to identifying vulnerabilities, documenting them with concrete evidence and proposing mitigation solutions, reports also suggest a recovery plan that outlines necessary actions in a structured and practical manner, based on a prioritization

## Percutio – an exclusive methodology

The experience and techniques developed by OKIOK experts have been instrumental in structuring procedures in order to develop a proven methodology that reflects best industry practices and respects the various standards. In fact, there is a patent pending on this exclusive penetration testing methodology, particularly as it relates to the protection of client data confidentiality.

## Protection of test data

OKIOK applies strict measures to protect the data collected or used by ensuring the encryption of the information that is stored and transmitted, the authentication of all users who have access to test systems and the final declassification of the test environment. This formal commitment, combined with the tools used to fulfill it, provide significant added value.

## Successful projects include:

OKIOK has completed multiple penetration testing and application security review engagements for national and international organizations in the field of health care, online gambling, energy, transportation, education and financial services. OKIOK provides significant added value beyond vulnerability scanning by performing advanced security assessments:

- Internal and external networks testing
- Web applications and services testing
- Infrastructure services testing
- Database security testing
- Server security testing
- Workstation security testing
- Mobile device security testing
- Critical assets testing
- Wireless access testing
- Virtualized infrastructure testing
- Password cracking and cryptanalysis
- Architecture security review
- Application security review
- Exploitation of business logic
- Access controls bypass
- Reverse engineering
- Denial of service
- Network scanning
- Physical access testing
- Social engineering
- Data leakage

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OKIOK is a leader in the field of computer security. Since 1973, the company has distinguished itself through the excellence of its products and the high quality of its services. OKIOK offers a wide range of integrated solutions designed to meet the needs of organizations of all sizes.

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