



Cyber Defence Services

Penetration Testing



The threat of cyber attack is one of the greatest risk organizations are facing today. The volume and sophistication of attacks has increased exponentially and has led to a wave of data breaches involving the theft of customer information and intellectual property. Penetration Testing is a crucial part of a robust defence in-depth approach.

The Challenge

Your systems are not secure by default. As a result, they are inherently exposed to a host of internal and external risks that threaten the integrity of your environment and its sensitive data. Cyber attackers recognize this as well and are exploiting these vulnerabilities for their personal gain. Cyber criminals are getting more sophisticated, targeting and gaining access to an organisation's crown jewels. Organisations need to be constantly testing and improving their security IT infrastructure.

Our Service

We have developed testing techniques where vulnerabilities in your environment can be located, tested and remediation advice given. Scenarios of successful attacks are described in detail. Our recommendation are always put in business context to ensure that both technical and managerial audiences can understand the impact and remediation to apply.

Web Application Security Testing

Web applications are the basis of multiple businesses and services. It offers clients and industries access to information, data, infrastructure and facilitates online business. However, web applications are seen by attackers as a door to a company and as a highly valuable database for information, may it be credit card information, user private information or other confidential information.

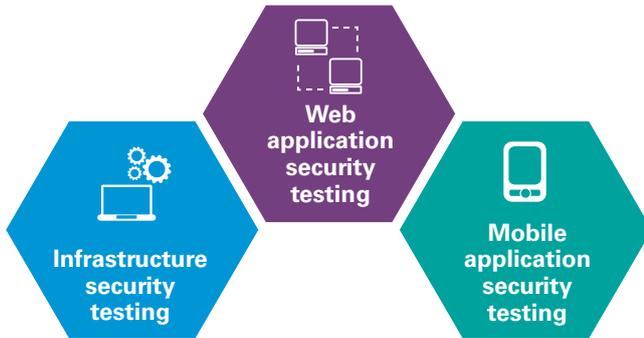
KPMG provides web application security testing based on a tailor made approach according to the application criticality. The KPMG developed methodology is closely aligned to the OWASP testing guidelines, and comprises extensive manual exploitation of the application logic. Authenticated and unauthenticated tests are performed and recommendation are given for any findings in order to ensure that vulnerabilities are closed in a prioritized way.

Infrastructure Security Testing

Your IT Infrastructure builds the core and the heart of your Enterprise IT. When digital intruders access your network, they gain the ability to retrieve sensitive information and compromise your databases. The fallout may impact your



The KPMG Advantage



Area of Testing

business, its reputation and its bottom line. KPMG can help better protect your IT infrastructure by regularly assessing and addressing security threats and system vulnerabilities before they are discovered by a digital intruder.

The KPMG infrastructure penetration test methodology provides a complete framework for effectively testing your IT infrastructure such as wired and wireless networks, Firewalls, Databases, Client Endpoints, Backend services ...

Mobile Application Security Testing

Mobile applications allow users to use services from anywhere, at anytime. Mobility comes with its own risk, mostly related to the mobile devices themselves. KPMG developed an in-house mobile application security testing framework to ensure that all aspects of the mobile application are tested. KPMG methodology covers:

- The mobile device itself and its memory
- The mobile operating system
- The application logic and backend
- The communication network

Why KPMG

KPMG's Cyber Defence Services team is comprised of experienced, highly technical security consultants and ethical hackers. The team is proficient in identifying and exploiting weaknesses in client IT systems and infrastructure and articulating security risks and mitigation advice in business-oriented terms.

We're experts in both, cyber security and your market, providing cutting edge insight and proven solutions to act

with confidence. We understand this area is often clouded by feelings of doubt and vulnerability so we can work shoulder to shoulder with you to turn that into a real sense of security and opportunity.

Business Insights

KPMG business knowledge across all industry fields allows us to put our findings in perspective to your business. We analyze the discovered threats and vulnerabilities and define the correct risk level to your company based on our knowledge and understanding of your business.

Local Team and Global Knowledge

Our success is based on the competence and commitment of our highly-qualified people. We have an experienced and proven Swiss based team, as well as a global pool of more than 200 penetration tester resources available around the globe. KPMG's security testers in Switzerland are based in Zurich and Geneva and are near by for field work at our clients sites for face-to-face communication on short notice. We can handle engagements of any size and any type, according to your needs. And we can provide worldclass experts for each single topic.

Tools and Methodologies

Our unique Tools and Methodologies are closely aligned to industry best practice and well established standards such as OWASP, OWASP Mobile, OSSTMM etc.

KPMG Cyber Lab

The testing activities are conducted from a Swiss based cyber laboratory with high standard regarding administrative, logical and physical security controls to protect our client's data. KPMG's Swiss practice is able to guarantee no client data crosses the borders. We can comply to special requirements e.g. regarding data privacy and bank client secrecy.

More than just a report

We will provide our observations and recommendations in a way that your senior management can understand, while we will make sure that the technical findings are described in a way your technical staff feels comfortable with.

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