

Global Risk Management Solutions

Threat and Vulnerability Services

Confidence begins with knowledge – systems that bring revenue through the front door shouldn't let hackers come in through the back

Are your information assets protected?

Could an intruder take your systems down?

Has the security and availability of your IT systems been tested?

*If not, you may need **Threat and Vulnerability Services**.*



To compete in a digital economy, you need functional computer systems. Systems an intruder can't bring down in seconds. Consider the value of every transaction processed through any one of your core computer systems, and you'll see that denial of service quickly translates to denial of revenue.

Information assets are among the most valuable resources your company owns. Protecting them properly is paramount to your business.

Employees, buildings, equipment and supplies are guarded with a combination of security measures that undergo periodic evaluation. But information technology is another matter: a highly changeable, specialised environment subject to penetration by cyber-criminals, infiltration by viruses and incapacitation from other causes. Without real-world testing, you could be relying on a vulnerable or incomplete security solution, particularly as operations move to the web.

PricewaterhouseCoopers' **Threat and Vulnerability Services** offer you the confidence that comes with knowledge. Balancing proven methods, unparalleled systems expertise and specialised tools, our team can help you secure your systems and keep them up and running.

A full complement of services to protect the integrity of your business

The complexity of enterprise-wide information systems means your security defenses must be equally sophisticated. Gaps can develop anywhere: through known vulnerabilities, inadvertent mistakes and pure intruder innovation. Our goal is to help you find the holes before the hackers do, fix them and monitor ongoing operations for continued reliability.

Our Threat and Vulnerability Services practice includes:

- Attack and Penetration Service;
- Security Diagnostics and Mitigation – Anti-virus Management;
- Website Resilience Review – Web Application Vulnerability Assessment;
- Wireless Perimeter Assessment; and
- Capacity and Performance Review.

Clients may request one or more of these essential services on any given engagement. Or, for maximum business impact, the entire service line may be combined into one overall electronic commerce systems evaluation.

From web to wireless, test your online operations

Leading companies do business on the web, which extends from sophisticated corporate portals all the way to a customer's cell phone or pager. Such a powerful channel deserves a careful evaluation, in which we check everything from privacy to capacity to ensure you can safely maximise your Internet potential.

Attack and Penetration

In this sensitive but necessary service, we work closely with our clients to perform real-life testing to determine an organisations' resiliency to internal and external security breaches. Our highly experienced and trusted employee-only staff teams with you to simulate unauthorised entries

and fully test system vulnerability. To do this, we use commercially available software and the latest tools from the hacker underground in a highly controlled environment. Our proven method gives you the power to test – with minimal disruption – your ability to prevent, detect and repel unauthorised intrusion.

Security Diagnostics and Mitigation

This service reviews system configurations with respect to platform-specific best practices in the disciplines of security and control. Here, we examine how you've set up security and control within your information technology and business operations. Depending on our findings, we also make recommendations to help you tighten security as needed.

Our professionals have considerable experience in the technology platforms found in most major corporations. Within a typical engagement, we perform diagnostics on the primary infrastructure of your online operations, including:

- Networks;
- Firewalls;
- Routers; and
- Servers.

Following the review, we can perform or oversee any configuration, programming or business process implementation needed to correct the deficiency. A post-mitigation audit can also be done to ensure the deficiency has been fully resolved.

Website Resilience Review

Sophisticated websites are layers of intricacy working in tandem. Logic servers, networks, applications and other components all have important roles in keeping your websites up and running. As commercial providers of networks and operating systems begin to resolve known vulnerabilities, intruders are turning their attention to exploiting the weakest link, often the web application.

A complete website resilience review examines the security and availability of web applications, middleware, network and other components by providing the following services:

- Website Vulnerability Assessment;
- Capacity and Performance Review; and
- Privacy Review.

Website Vulnerability Assessment – an inside look at your entire web infrastructure, this assessment lets you be certain your online community is getting a reliable and secure experience. In this service, our professionals review the

security of the following critical web infrastructure components:

- Applications;
- Firewalls;
- Networks;
- Routers; and
- Databases.

Wireless Perimeter Assessment

This service reviews networks using the 802.11 (Wi-Fi) standard. Our highly trained consultants use specialised tools to evaluate the security risks of wireless networks, laptops, and PDAs.

Capacity and Performance Review

Our professionals in capacity and performance examine your web operations to help plan for optimum capability. Through this service, we'll look at your network, servers, operating systems, databases and applications to assess their scalability to meet any forecast.

Global Risk Management Solutions (GRMS), part of PricewaterhouseCoopers, has over 6,500 professionals worldwide who offer a comprehensive enterprise-wide risk management service. Many of these professionals are specialists with in-depth knowledge and experience in particular industries.

The practice provides six key solutions designed to meet today's management issues. These solutions are Security & Technology, Operational Effectiveness, Audit & Compliance, Risk & Value Management, Sustainability and Behavioural Transformation.

Whether your risks are strategic, financial or operational in nature we work with you to identify and manage complex issues and risks to protect and enhance shareholder value. Our professionals are trained to take an enterprise-wide view of risk, address the full range of business needs from assessment and design to implementation and, where relevant, operation of the solution.

Contact details

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For more information about our services generally, please refer to www.pwchk.com