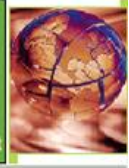# Network Penetration Testing

Securing its business information is critical for every organization. We almost on daily basis hear or read about high profile attacks on corporate and government web sites. Bank computers are broken every year and important account data and credit card data is stolen by criminals. Besides having business and financial impact resulting from these attacks - there are legal issues resulting from these attacks. You need a well qualified team of security professionals to safeguard your network, your data and your equipment. This is what we at Rapidsoft can do for you. At Rapidsoft Systems, we specialize in four main practice areas: Assessment, Managed Security, Remediation, and Response in order to appropriately secure your organization's most critical information.

Closing All Doors Before the Bad Guys Come In!

Bad guys are always looking for easy target! They have powerful tools in their hands. Anonymity coupled with a strong monetary incentive to break in your systems and steal valuable data provides a great motivation.

Security vulnerabilities, such as weak configurations, un-patched systems, and botched architectures, continue to plague organizations. Enterprises need people who can find these flaws in a professional manner to help eradicate them from our infrastructures. Lots of people claim to have penetration testing, ethical hacking, and security assessment skills, but precious few can apply these skills in a methodical regimen of professional testing to help make an organization more secure. Our experts at Rapidsoft Systems are trained to use the latest penetration testing tools.

Our experts perform detailed pre-test planning, including setting up an effective penetration testing infrastructure and establishing ground rules with the target organization to avoid surprises and misunderstanding. Then, we utilize a time-tested methodology for penetration and ethical hacking across the network, evaluating the security of network services and the operating systems behind them.

An expert at Rapidsoft Systems can answer all the above questions and help your company assess your risks and create an effective policy for your organization.

Rapidsoft Systems' Network Penetration Testing Services

Network penetration testing (aka pen testing) and timely identification of network vulnerabilities is something that you simply cannot ignore in today's vulnerable networks. Every organization needs to close its weak doors and amend its weak links before hackers or disgruntled insiders exploit the weaknesses. The process of identifying vulnerabilities, evaluating the risk, remediation, and reporting is called vulnerability management. By running penetration tests, organizations are able to more efficiently find and fix security vulnerabilities within their network.

Automated pen testing techniques can help you in detecting potential attack paths, and making changes. These changes often need to encompass both technology and business process changes. The good news that the use of modern powerful tools can do deep inspection of your code, your firewalls, your policies and your devices. A typical penetration tool can run thousands of tests and create very detailed reports for risks within your systems.

Standard penetration testing is a method of probing and identifying security vulnerabilities in your network and the extent to which they could be exploited by a hacker. These tests are typically performed using automated tools that look for specific weaknesses, technical flaws or vulnerabilities to exploit, with the results presented to the system owner with an assessment of their risk to the networked environment and a remediation plan highlighting the steps needed to eliminate the exposures.

Our Tools

The Nessus® vulnerability scanner, is the world-leader in active scanners, featuring high speed discovery, configuration auditing, asset profiling, sensitive data discovery and vulnerability analysis of your security posture. Nessus scanners can be distributed throughout an entire enterprise, inside DMZs, and across physically separate networks.

Nessus - Our Favorite Tool For Vulnerability Testing

Vulnerability management and penetration testing work hand in hand to close any potential openings available to corporate attackers. Together, vulnerability management and penetration testing enhance security and lessen the probability that the criminals could penetrate your systems.

Penetration Testing Methodology

To provide the most comprehensive vulnerability assessment results possible, our consultants work closely with your organization to clearly define the network components to be assessed. Often, this includes assessing the security of:

- **File Servers**
- **Database Servers**
- **Custom Applications**
- **Web Servers - Apache, IIS**
- **Mobile Devices and Applications Servers**
- **Email Servers**
- **Employee Workstations**
- **Application Servers**
- **Routers and Switches**
- **Storage Area Networks**
- **Commercial Off The Shelf Software**
- **Firewalls**
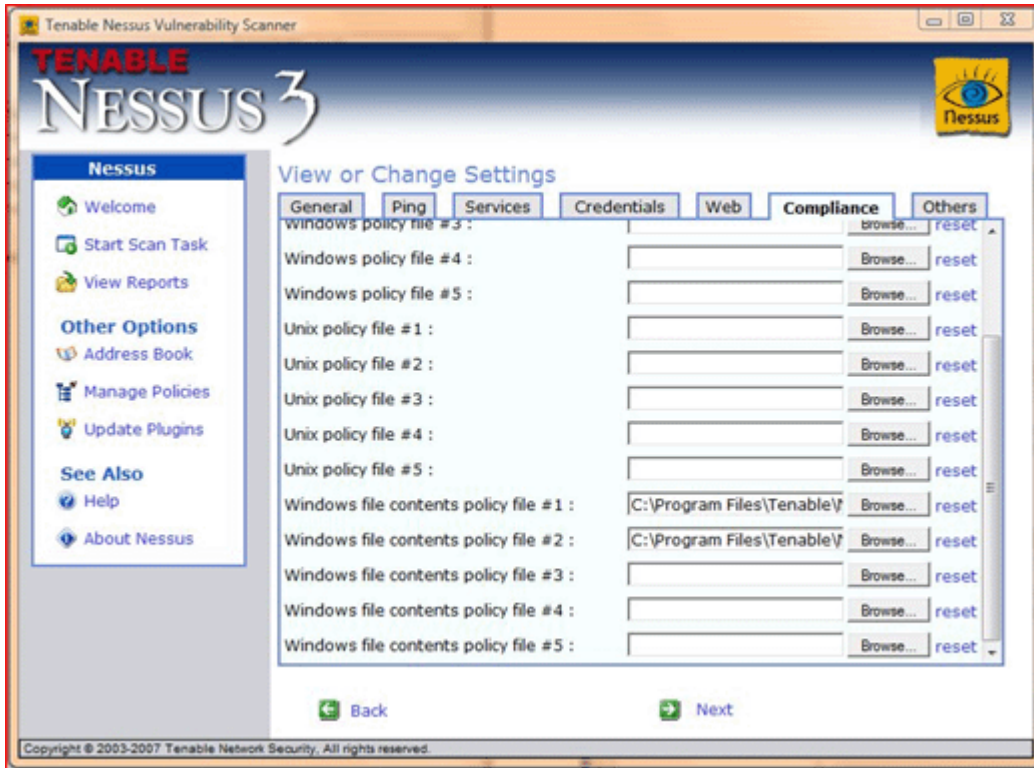
Nessus - Vulnerability Testing In Progress

Application Testing

We use various special purpose tools including code and attack verifications to identify any vulnerability in the applications developed on your system. Our team of speciliasts will attempt to exploit each system with a variety of techniques including, among others:

- **Input validation**
- **SQL injection**
- **Buffer overflow**
- **Hidden variable manipulation**
- **Cross-site scripting**
- **Cookie modification**
- **URL manipulation**

Rapidsoft Systems security consulting services team can plan, design, perform industry standard penetration tests to your network. Our team will provide a report of the results along with the risk assessment report. We have the resources to test your network perimeter using our external server based Scanning Engines.

Why Rapidsoft Systems:

With over 350+ software projects executed, you can simply count on our expertise, experience in giving you the right solution at absolutely lowest possible cost. If you would like more information, or want us to submit an estimate or a "no-obligation" quote for your project, contact us for more information.

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