



digital barracudaTM iSEC

Digital Barracuda Information Security

Reports that the Risk from Viruses and Worms is

Only the Tip of the Iceberg

FACT

SHEET



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Do you have security with teeth? You had better, because if the worms don't get you, the viruses probably will. Or maybe it will be a zombie, a Trojan horse, malware or a Denial of Service attack. What can you do? Install antivirus and spyware software on all your computers. Okay.

Put a firewall between your systems and the Internet. Good. Avoid opening email when you don't recognize the source. Yes. But it's still not enough.

If you're a small or midsize company, perhaps you think you can avoid being on the radar screen of some hacker. After all what could possibly be of interest inside your computer? The fact is, about three quarters of all company documents include legally sensitive data that, if breached, could subject your business to lawsuits. And once customers discover their financial and personal information is not safe, they will take their business elsewhere.

So what do you have to lose? Stock value? Reputation? Trade secrets? Intellectual property? Customers? Lawsuits? Digital Barracuda understands the threats that could put your business at risk.

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You don't have to be big, well-known or keep credit card and customer information on file to be attractive to a hacker.

PC worms and viruses cost businesses about \$55 billion in damages in 2003, and the costs have continued to rise. Most viruses are not set loose with a particular subject in mind. Their developers are usually out to create as much mischief and wreck as much havoc as possible. There are so many worms and viruses in circulation, your odds of infection are very high.

With "how to" information readily available on the Internet, spoofing and zombie attacks are growing at alarming rates. Your network can be tricked into recognizing a computer outside your network and thus become a launching point for someone with larger objectives. Your system may be taken over just because it is vulnerable and a good resource for a hacker taking intricate steps to hide his tracks.

Denial of Service is a popular form of attack, and here's the proof: 12,000 attacks on 5,000 known targets in just three week's time. A disgruntled ex-employee determined to hurt your business could sabotage your systems by creating a Denial of Service. Such an attack will make it impossible for anyone to access targeted components of your network, in effect, shutting you down. And downtime is costly.

FBI studies show that 80 percent of intrusions and attacks come from within a company. Employees are the greatest risk to your network. Perhaps there's a woman on the help desk who feels under-appreciated. Before she quits, she may get even by leaving a virus behind.

Then there's the careless marketing manager who is intrigued with an email titled "Grasshoppers fiddle while you work." He opens the email and its attachment even though he doesn't recognize the source. The grasshopper band is cute; what he doesn't realize is he has loosed a Trojan horse on the company network that logs every keystroke—passwords, credit card numbers and account information—and sends it back to a hacker.

Phishing attacks are growing by 50 percent a year. Phishing is a ploy to get unsuspecting email users to give up critical personal information. As a result of phishing attacks, which have cost online consumers more than \$500 million, many consumers report they are less likely to use online services. The growing fear of identity theft can hurt your online business unless you take steps to protect your customers.

Software vulnerabilities are growing exponentially, and the number of attacks even faster. CERT reported 171 vulnerabilities in 1995 and 2874 in just the first half of 2005. The fact that most problems are unintentional doesn't alleviate the issues facing end users and IT centers. The competition to get to market translates into hastily, and often poorly, written code and abbreviated testing cycles, which result in a barrage of bug fixes and warnings about potential vulnerabilities and the latest exploitation.

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The best antivirus software in the world is no protection against hackers and their less-talented imitators (called Script Kiddies) who copy the documented exploits of hackers for fun and profit. The fact that we're seeing a large number of older vulnerabilities repeatedly being exploited suggests that 1) Script Kiddies are on the rise and 2) most users are not up to date with their patch management.

All these examples represent just the tip of the iceberg. But as you are no doubt beginning to see, protecting your business against malicious viruses and worms is a very small part of the dangers to your business. Digital Barracuda Information Security (DBiSEC) is the division of Digital Barracuda responsible for limiting your risk.

Keeping your business secure and your customers safe is not only critical, it's a full-time job and more than one IT administrator can handle. DBiSEC professionals, trained and certified in the best available solutions, will work closely with your IT administrators and top management to determine your risk and recommend, install, manage and monitor solutions.

DBiSEC has a solution for every business and every business need.

If you just want the basics, **DBiSEC Tier 1** provides for the installation of best-of-breed antivirus, spyware and malware software. This is a non-managed service. Once software is installed, management responsibility remains in-house with the customer. Digital Barracuda can also design a suitable security strategy to meet your company's needs.

DBiSEC Tier 2 is for companies ready to protect against more than basic Internet and email threats but still want to manage their security in house. Digital Barracuda can:

- Perform a full security audit. We can assess your wireless systems, firewalls, password policies, permissions policies, network design and settings, disaster recovery policy and physical premises.
- Conduct appropriate security audits, including Hipaa, Sarbanes-Oxley, FDA and GLBA.
- Put your systems through a thorough vulnerability assessment, including port scanning and network mapping.
- Conduct penetration testing using black hat, gray hat and white hat hacking techniques (we are Certified Ethical Hackers).
- Present management with the results of our audits and tests, along with recommendations for hardening the company's systems.
- Install patch and vulnerability management software and train your staff on its use.

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Digital Barracuda iSEC has a solution for every business and every business need.

- Handle any special requests for:
 - Collocation services
 - Intrusion detection services
 - Intrusion prevention services
 - Disaster recovery planning
 - Policy and procedures consulting
 - Department of Defense-certified disc wipes
 - Computer forensics services

Digital Barracuda continues to add new services and support the latest technologies. If you don't see what you need, please check Technology and Services within the [Capabilities](#) section of our Website or call us directly at 1-877-924-7365.

About Digital Barracuda

Digital Barracuda is a full-service computer systems consulting and development firm that specializes in secure network design, installation, management and forensics. From our New Jersey headquarters, we service and support companies from New England through Virginia.

We partner with our clients to regularly monitor and maintain their computer systems in order to identify and stop trouble before it can impact business. We keep our clients working, and we do it at a price every company can afford. We offer a comprehensive range of services and cost-effective solutions. Our people are trained and certified in the technologies that businesses are using today and planning to add tomorrow.

With Digital Barracuda as your partner, you'll have peace of mind that your computer systems are serving your business well. It's a partnership with a professional edge.

Contact Digital Barracuda today for a Free initial consultation. Call us toll-free at 1-877-Y-247-365 (1-877-924-7365). The "Y" is your reminder because protection should be in place always... 24/7/365. Or go to our Website at www.digitalbarracuda.com.

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