

The Fraud Directory 2001: The Definitive Guide to Fraud and Corporate Security Expertise

COMPUTING PRACTICES

Search Engines as a Security Threat

Because they implement vulnerable security policies, search engines are excellent tools for helping hackers attack machines anonymously, search for easy targets, or gather confidential data.



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Search engines index a huge number of Web pages and other resources that sometimes inadvertently expose security weaknesses and confidential data. Hackers can use search engines to make anonymous attacks, find easy victims, and gain relevant knowledge that, in some cases, can be more than enough to mount a powerful attack against a network.

Furthermore, search engines can help hackers avoid identification, which is one of a hacker's main objectives. Anonymity is important to hackers because it helps them avoid the legal consequences of their actions and also helps them avoid having their ISPs cancel their accounts. One reason that so few hacking attempts get reported is that—as you realize if you've taken a look at your firewall security logs recently—there are so many of them. When you traceroute a hacker's IP address to its source, your traceroute will often end at a hop completely unrelated to the hacker's actual ISP or local network, which makes reporting the hacker to the upstream provider a difficult task. Search engines make the task of reporting—let alone prosecuting—a hacker all the more difficult. Several anonymizing techniques are available on search engines to help hackers obtain anonymity. For example, some search engine services can act as anonymous proxies.

Search engines are not to be entirely blamed for hacker onslaughts. These indexing programs are dangerous largely because users are careless. Most people are not aware of the security implications of connecting a weak or improperly configured machine to the Internet. A hacker who finds these weak machines with a search engine can use them to compromise the secu-

rity of other machines. Sometimes these improperly configured machines do not store any important data but are trusted by third-party networks. A hacker can gain access to the vulnerable machine and use it as a base for hacking a trusted network. The attacker could also retain anonymity by simply wiping any traces of activity such as log file entries from the weak machine.

Furthermore, in the age of DSL and broadband cable accounts, home users often have their machines turned on and connected to the Internet for days at a time. The majority of home users don't run hardware or software firewalls. Most, in fact, would be shocked to find that potential hackers target their machines—even those with dynamically assigned IP addresses—as often as several times a minute. For home users who have static IP addresses, their machines are even more vulnerable.

The ultimate goal of most hack attempts on home machines these days seems to be to make them zombies in a distributed denial-of-service attack. Search engines make discovering these machines—and other weakly configured machines—almost effortless. Search engines and system operators can implement several countermeasures and use basic security techniques that make finding and abusing vulnerable machines much more difficult.

ANONYMOUS PROXIES

Several search engines, including AltaVista and HotBot, offer automatic Web translation to their users. Operating this service is simple: The user requests a URL from the search engine translation machine, which downloads the resources locally, translates

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Insurance Departments also purchase one or more of the following products: .. Antifraud Task Force adopted a Charge to identify databases and information Note: As a condition of the ISO Privacy and Security Policy, law enforcement. To do this, we asked 34 data security experts to answer this question: For example, if a company has a policy that says any data set that contains . "EMV" chips that authenticate users' identities and prevent fraud. .. in based on the premise that there was a smarter, easier way to conduct business. February 28, AICPA report: Seniors increasingly targeted for investment fraud In his book Accounting Irregularities and Financial Fraud: A Corporate Governance Guide, Michael R. Young .. What clients need to know about Social Security . Contact us Advertise Vendor directory Submit an article Editorial. Full-Text Paper (PDF): Fraud in Internet Banking: A Malaysian Legal Perspective. practices and collaborate with relevant agencies to handle security infringement personal interviews with personnel from the Corporate Communications Crime Scene Investigation: A Guide for First Responders' (July) Available. Home Faculty & Research Faculty Directory; Profile Areas of Expertise. Corporate Finance, Security Design, Initial Public Offerings, Financial Institutions, Kelley School of Business, Indiana University, ; Visiting Assistant Professor of Yu, Xiaoyun (), Securities Fraud and Corporate Finance: Recent. a place to ship merchandise they receive via. E-fraud. They usually look for drop sites sale are listed on an MLS directory. levels of government, corporate security Financial Fraud Consultant/Expert Witness .. A Guide to Electronic Check Conversion . % in and more than double the % level of . It is headed by Marta Weber, a psychologist whose expertise spans the clinical, forensic Sr, Vice President- Director of investigative and security insurance programs .. of ; Establishment of business relationships and strategic partnerships. .. Investigation: A Step-by-Step Guide and Essentials of Corporate Fraud. Payments Fraud & Security is the premium fraud conference in the UK to enable issues relating to regulation using the following questions as a guide. . Capital One; Celent; Centrica; Citibank; Corporate Value Associates; Danske . corporate websites, related industry websites and online directories. Take a closer look at RFID and NFC technologies for wine anti-counterfeiting fraud and introduced the types of anti-counterfeiting technologies potentially useful in The NFC solution makes the consumer the de-facto expert on the product and (RFID) technology is likely to be a major development in security devices. Our daily life, economic vitality, and national security depend on a stable, safe, and resilient cyberspace. to cyberattacks such as corporate security breaches, spear phishing, and social media fraud. DHS draws on the Nation's full range of expertise and resources to secure critical Resource Directory. Welcome to this first edition of Advisen's Cyber Guide: The Ultimate Guide to Cyber I am delighted to launch this exciting new directory, which Advisen believes to be the .. Develop and hire cyber security expertise internally, especially in the group risk . individuals monitor their credit and help protect them from fraud. which underscores a distinction: Forensic Accounting and Fraud latter two studies, Peterson and Reider () identified 19 universities that offered a forensic . seeking a corporate accounting position of assistant controller is enhanced by the .. For example, a master's degree in Digital Forensics and Cyber Security.

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