



Superwalk runs regular scans of an Internet gateway, showing all hosts that give any response. It also uses a number of techniques to find any security vulnerabilities.

The Need

Frequent changes take place within Internet gateways as new services are implemented. Each has the potential to introduce security problems, but testing after every change can be costly.

Superwalk can help identify errors as quickly as possible. It is an automated service that detects Internet-visible problems as they occur and allows system managers to take swift action.

Our Service

We want you to get the benefits as quickly as possible.



IDsec provides Superwalk as a remote service, running from a dedicated high-speed Internet location. We set up and maintain the system, and provide guidance on interpreting any anomalous results.

The system scans and gathers information from services (IP, ICMP, UDP and TCP) offered to the Internet, information made available through banners and other output, and known vulnerabilities in services offered. We use input from a range of tools as well as our own *Netwalk* software. Results of the scans are presented on a secure web server and made available to browsers with appropriate credentials.

What You Get

Superwalk runs automatically, but you can see current or historic results at any time: services, information provided and vulnerabilities.

<p>46.33.18.23</p> <p>TCP(6) HTTP(80) HTTPS(443) SSH(22000)</p> <p>SSH SSH-1.99-OpenSSH.2.1.1</p> <p>Web (443) Apache/1.3.23 (Unix) (Red-Hat/Linux) mod_ssl/2.8.7 OpenSSL/0.9.6b PHP/4.1.2 mod_perl/1.26 mod_throttle/3.1.2</p> <p>Web (80) Apache/1.3.23 (Unix) (Red-Hat/Linux) mod_ssl/2.8.7 OpenSSL/0.9.6b PHP/4.1.2 mod_perl/1.26 mod_throttle/3.1.2</p> <p>Security</p> <ul style="list-style-type: none"> ■ Apache chunked encoding (3, 75%) (CAN-2002-0392) ■ mod_ssl off by one (3, 75%) (CAN-2002-0653) ■ Directory Scanner (2, 90%) ■ http TRACE XSS attack (2, 90%) 	<p>www.sdemo.co.uk Linux (Red Hat) (HTTP, 57%)</p> <p style="text-align: right; font-size: small;">2006-09-28 03:00:00 (took 2515s)</p>
<p>46.33.18.24</p> <p>TCP(6) unknown(9065)</p> <p>UDP(17) bootps(67) bootpc(68) SNMP(161)</p> <p>System Net mask is 255.255.255.0. IP forwarding enabled. Other hosts and networks: 172.25.10.0/25, 192.168.17.3.</p> <p>Security</p> <ul style="list-style-type: none"> ■ SNMP community guessed (3, 95%) (CAN-1999-0517) <p>Notes Uninterpreted response obtained from port 9065/tcp.</p>	<p>out2600(SNMP) Cisco 2612 (SNMP, 100%)</p> <p style="text-align: right; font-size: small;">2006-09-28 03:00:00 (took 4919s)</p>

In addition, the results are compared with the previous scan and a change report is provided when there are significant differences from the results of the previous scan. This means that unexpected changes in services offered by the gateway are readily apparent: you can see servers running different or old versions of the application services, servers that give excessive information through their banners and networking components such as routers that should not be visible.

Superwalk is configured by IDsec, using parameters and target lists supplied by the customer. It can probe the target set every day, week or month, and the time at which it runs can be chosen to suit operational schedules. If required, Superwalk can send a simple SMTP message to a defined address every time a change is detected.

A real example of the output produced by Superwalk is available on-line at <http://www.idsec.co.uk/products/superwalk/sample>. (This area is password protected: please phone us to get access.)

The Price

The benefits of Superwalk come at a surprisingly low cost. IDsec can carry a monthly scan of up to 4 IP addresses for just £900 per annum. Or, for a larger organisation, we can provide daily scans of up to 64 hosts for £9,000 per year, with a minimum contract of one year.

All maintenance is included, including the resolution of any problems that arise in the scanning, reporting and presentation of the Superwalk service. Regular updates are carried out by IDsec to enhance the underlying tools, with detailed release notes issued to customers via e-mail.

Superwalk Plus

As an optional extra, we can provide a written commentary on Superwalk results for you, as they become available.

We examine the latest results and report on any vulnerabilities or other anomalies that have arisen since the previous scan, together with general recommendations for resolving the issue. This report will normally be issued by e-mail within two working days of the scan's completion.

Related Services

Network Penetration Testing	External penetration testing puts us in much the same position as a potential intruder, trying to break into the Internet gateway and systems behind it.
Web Application Testing	Classic penetration testing at the network level has its place, but many new attacks are aimed at interactive web applications. A thorough external test minimises these risks.

Feel Good About Your Network

IDsec is an independent company specialising in network security. We can assess your security and advise on long-term protection: as we have for a range of blue-chip clients since 1997.

IDsec

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