Computerized surveillance a top priority for Pentagon

Wayne Madsen

An unclassified budget document titled, "Fiscal Year 2003 Budget Estimates" provides a glimpse into some of the Pentagon’s next generation computer surveillance programs. The document, prepared by the Defense Advanced Research Projects Agency (DARPA) describes how the Pentagon plans to use information technology to address asymmetric threats, described as the “most serious threats to our national security, today.”

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Virus tracking moves back to basics

The Sobig and Blaster authors are proving so elusive, that Microsoft is forking out $250,000 for any leads.

This reward system comes at a time when tracking writers by network forensics is so difficult that traditional methods are being resorted to.

The reward is part of the Anti-Virus Reward Program, set up by Microsoft, which has a pool of $5 million.

The program is dangling money as an enticement to get the underground to talk.

Peter Stephenson, research scientist at Eastern Michigan University said: "Virtually all of the virus authors that have been caught so far were caught because they couldn’t keep their mouths shut. They were tracked using traditional investigative methods."

The FBI, Secret Service and Interpol all back the Microsoft initiative.

Microsoft’s decision to pay out for author leads may work believes Stephenson.

"Offering rewards is a traditional investigative technique and that is pretty much all that is working at the minute."

However, he is concerned that this approach will only work if the authors are not linked to criminal activity. People within the hacker community will typically know who virus authors are, he said.

"However, terrorists, money launderers, and drug cartels may use ‘professional’ hackers and virus writers to accomplish their ends and these individuals don’t brag about their feats in public. If a worm is used to cause damage for political, religious or economic reasons, it is unlikely that the source will ever be identified because of the immature state of forensic track back techniques."

It isn’t just Sobig and Blaster that are proving to be a mystery...

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This resistance to regulation was echoed repeatedly throughout the conference.

Geoff Smith, UK Department of Trade & Industry said: “Regulation isn’t the answer because it can’t keep up with technology.”

Clarke said that IT professionals have been watching the increasing deterioration of security for so long that they have failed to notice the drastic plummet over the past 12 months.

Clarke points out that two years ago there were 21,000 separate viruses. So far this year there are 114,000 viruses. “This is not just more of the same. Things have become unacceptably worse in the last year.”

So if laws can’t help safeguard the Internet, then what can? Clarke believes the answer to safeguarding security lies in authentication. He advocates that ISPs should provide subnets on trusted servers where visitors are authenticated. In an ideal world visitors could surf in a safe environment using universally accepted authentication.

John Fowler, CTO of Sun Microsystems also believes multifactor authentication is the way forward.

However, Fowler believes regulation can’t be given the slip so easily. Government regulation won’t go away,” he said.

In Brief

**FTC SAY DISABLE MS MESSENGER**
The US Federal Trade Commission has recommended that Windows Messenger Service should be disabled as it is a channel for marketing pop up ads.

**WORLDPAY HIT BY DOS**
Worldpay has been hit by a large denial-of-service attack. In a statement, Worldpay said: “Although we have been subject to a ‘denial-of-service’ attack, the integrity and security of our systems and our customers’ data is in no way compromised.”

**AOL TURN OFF MS MESSENGER**
AOL has disabled Microsoft Messenger on its customers computers without notifying them. According to a report in the Associated Press, AOL has turned off Windows Messenger for 15 million customers.

**ORBITZ SECURITY BREACHED**
Orbitz, an online travel company, has suffered a security breach, which has allowed spammers to email its customers. Orbitz says a number of its customers has received spam from an authorized source.

**AL JAZEERA HACKER SENTENCED**
A Web designer has been sentenced to 1000 hours of community service for hacking into Aljazeera.net and redirecting traffic to a website displaying the American Flag.

**MICROSOFT DISCLOSE 4 VULNS. IN NOV.**
A buffer overflow in the Microsoft Workstation service has been discovered. According to ISS, as the vulnerability is a stack overflow, it is easy to exploit. Windows 2000 and XP are affected. Microsoft has released another three vulnerabilities for November including a cumulative security update for Internet Explorer, a vulnerability in Word and Excel and a buffer overrun in Microsoft FrontPage Server Extensions.

**MICROSOFT OFFER SPAM BLOCKING**
Microsoft is providing anti-spam technology as an add-on to Exchange 2003. The technology, known as Smartscreen has already been used in Outlook, MSN 8 and Hotmail. The technology works on a classification scheme based on judgements by hundreds and thousands of Hotmail users on what constitutes as spam.

**EXPLOIT FOR MS NOV. VULNERABILITY**
Exploit code is circulating for a vulnerability in Microsoft Workstation Service (MS03-049) affecting Windows XP and Windows 2000. Microsoft disclosed the vulnerability on 11 November.

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Why virus authors get away:
- Forensic traceback techniques are too immature.
- The international nature of the Internet makes law enforcement difficult over national boundaries.
- Fast moving viruses infect many computers rapidly, making it difficult to trace the alpha victim.

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