



You Got Mail: The Not So Lovely Melissa Virus

The bombshell that hit March 26 was a new Word 97 and Word 2000 (currently being tested) virus that uses Microsoft Outlook (not Outlook Express) to send itself out to lots of people very fast. The virus spread all over the globe within hours of initial discovery, spreading faster than any other virus before - causing havoc in places like Microsoft and Intel among many.

The virus, known as W97M/Melissa, spreads by e-mailing itself automatically from one user to another. The virus modifies the user's documents, insert comments from the TV series "The Simpsons" and can send out confidential information from the computer without the user's noticing it. If you use a mail client other than Microsoft Outlook such as Lotus

Notes, Eudora, or Netscape Messenger, the macro virus will not automatically forward the infected document.

W97M/Melissa was initially distributed in an Internet discussion group called alt.sex. The virus was sent in a file called LIST.DOC, which contained passwords for X-rated web sites. When a user downloaded the file and opened it in Microsoft Word, a macro inside the document executed and e-mailed the LIST.DOC file to 50 people listed in the user's address book, under the subject line "Important Message From" and then the user's name. The other modification made by Melissa occur when the current minute equals the day. The virus will copy a Bart Simpson quote into the current

document: "Twenty-two points, plus triple-word-score, plus fifty points for using all my letters. Game's over. I'm out ta here." Some Word settings are changed to make the virus easier to spread.

This virus was written in VBA and doesn't work in Word 95 or Word 6. When the document with the virus in it is opened, the macros in the document are run automatically and causes the inflection to spread.

All the main anti-virus software companies have updates to their program covering this new virus.

Many copycat viruses have followed including Papa which is an Excel virus like Melissa.

- submitted by Roger Naegeli

President's Message

Once again the North America Computer Audit, Control, and Security (CACCS) conference looks really great this year. The conference is scheduled for the week of May 2, 1999 in Orlando, Florida. The conference is made up of seven tracks that include Core Competencies, eBusiness, Information Security, Enterprise Systems, Current Issues and Technologies, Advanced Information Security & Audit Principles, and Technology Risk Management. In addition there are two pre-conference workshops and four post-conference workshops. The CISA review weekend and eBusiness Orientation are the pre-conference work-

shops. The post-conference workshops include:

- Risk-Based Auditing: A Practical Application of CobiT;
- Project Management;
- Modern Concepts in System Development Auditing;
- and How to Succeed in Auditing by Really Trying: Improving Your Odds for Success.

In the past the CACS conferences have been both entertaining and educational. They provide a great chance to network and share ideas with your peers in the industry. Past attendees comments include: "CACCS

is a great opportunity to keep up to date on technology, retain and create networks with peers, and identify areas for more extensive training" and "Knowledgeable presenters covering the important topics of today". If you haven't done so already, I encourage you to sign up for the conference. You can register in a number of ways including:

- ISACA Web Page at <http://www.isaca.org>,
- Fax at 1.847.253.1443,
- or mail 135 S. LaSalle, Department 1055, Chicago IL 60674-1055).

- Mary Luebke, President

**KETTLE MORAINE CHAPTER OF ISACA
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Find us on the Web at:
<http://www.execpc.com/~isaca-km>

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Last Month's Meeting

Most of us have been using the Internet for some time and we realize it is a great source of business information. But how many of us knew the Internet has so many pages of useful information for auditors?

On March 10, 1999, more than a dozen ISACA Kettle Moraine members were treated to "Internet Resources for Auditors," a presentation by Paul Rozek, Director of IT Services for AuditForce, Inc. Paul started his two hour presentation by reviewing distributed computing and the history of the Internet. Next, Paul described the many tools available for accessing information. We are all familiar with common Internet tools, such as web browsers (i.e., Netscape and Internet Explorer) and electronic mail. However, Paul also described lesser-known tools such as FTP, Telnet, Usenet Newsgroups, mail lists, "push" technologies, "Net meetings and search engines:

- FTP, which stands for file transfer protocol, can be used to download files, such as manuals or software applications.
- Telnet can be used to log into a remote computer system in order to search for information or to conduct a network security assessment.
- Usenet Newsgroups are public electronic bulletin boards where questions can be posted and group discussions can take place. There are many Usenet Newsgroups dedicated to computer networks and operating systems, for example, and the discussions in these groups are often about the most current security issues.
- Mail-lists are similar to Usenet Newsgroups, but instead of viewing them with special software or a web browser, messages are sent directly to you by way of e-mail. They are less public in that you must subscribe to a mail-list. Again, there are many mail-lists dedicated to subjects of interest to auditors (i.e., there are several mail-lists dedicated to Windows NT security).
- "Push" technologies also send information to you. The best-known example of "push" technology is PointCast, which is an Internet news service that "pushes" current news, weather and stock information to your computer as a screensaver while it is connected to the Internet.
- Net meeting technologies allow you to conduct a teleconference or videoconference over the Internet. All you need is conferencing software (available free on the Internet). Optionally, you might add a better microphone and/or a low-cost video camera (under \$100). The quality of the sound and images available during Net meetings is constantly improving and the price is right!
- Search engines are Internet services that can be used to quickly find the information you need. Examples include Yahoo!, Excite and Lycos.

Because so many Internet resources were discussed, it would not be practical to list them in this newsletter. Paul plans to submit his list of web pages to the ISACA Kettle Moraine chapter soon, and they will be added to our web site at <http://www.execpc.com/~isaca-km/>.

We want to thank Paul for a very informative and interesting presentation!
- submitted by Clint Laskowski, Membership Director elect

CONTROL & SECURITY OF THE INTERNET SEMINAR

PRESENTED BY JEFF CONNOR, SECURITY CONSULTANT, CANAUDIT

This seminar will teach you the same tricks used by hackers. You will learn how they select targets, map your networks and probe your company's information assets. Jeff Connor will lead you through the complete penetration process, showing you how to penetrate the network, use common techniques to obtain root or administrator capabilities, and harvest information. You will learn many of the popular exploits used by hackers and the type of controls required to thwart penetration attempts and detect assaults on the network. This seminar will address controlling and auditing connections to the Internet, allowing you to build safer Internet connections. You will also be provided with an audit guide to enable you to perform an audit of your Internet connections.

This seminar is intended for auditors & security administrators who wish to ensure their company's network is properly secured from Internet threats.

SEMINAR OUTLINE

I. TARGETING THE VICTIMS

- Who wants your data and why?
- What's in it for them?
- How the hackers select the victim
- Mapping the network
- Identifying the weak link
- Group zero...target acquisition

II. HOW THEY GET IN

- Common system administrator mistakes
- Lack of regular security reviews
- What the auditors missed
- Who is watching the store?

III. WHAT HACKERS DO AFTER PENETRATION

- Browse and download files (curiosity seekers)
- Malicious damage
- Electronic Espionage
- Service denial
- "Data-napping" and extortion
- Types of group accounts

IV. TOOLS OF THE HACKING TRADE

- Network mappers
- S.A.T.A.N. and port scanners
- Sniffers
- Keyboard traps
- Social engineering

V. VULNERABILITIES AND EXPLOITS

- Instructor will demonstrate many of the techniques used by hackers

VI. SECURITY RESOURCES

- CERT and CIAC
- Internet Sites
- NewsNet forums

VII. CONTROLLING INTERNET CONNECTIONS

- Designing strong Internet security
- Controlling Internet connections
- Controlling proxy servers
- Controlling mail servers
- Controlling the Web server
- Design, implementation and control of firewall
- Virus protection
- Hardening the network and operating systems

VIII. THE AUDIT GUIDE

- Cataloguing the Internet environment
- Risk / control tables
- Audit checklists for:
 - ⇒ Internet access
 - ⇒ web servers
 - ⇒ Proxy servers
 - ⇒ mail servers
 - ⇒ firewalls
 - ⇒ administrative controls

Schedule: April 6 and 7, 1999
Registration: 7:30-8:00 AM
Seminar: 8:00-5:00 PM

Location: Country Inn Hotel
2810 Golf Road
Waukesha, Wisconsin 53187-2269
(414) 547-0201

Directions: I-94, exit Hwy. T north (exit 293) to Golf Rd

Seminar Price: \$395 (includes continental breakfasts, lunches, refreshments and course materials)
Continuing Education: This seminar is approved for 16 CPE hours
For Registration call: Dan Buckley (414) 283-3653



Audit Seminars

Hidden Secrets From IS Auditors

The seminar for experienced IS audit professionals

Seminar Objective

After being on the audit side for the first half of his career, the instructor has spent the last 9 years consulting full-time with systems development groups and data centers, uncovering many control issues which were in many instances unknown to the most experienced auditors. For control issues which seem obvious and simple to auditors, the instructor has devised unique methods for performing compliance testing which disclose major gaps in an organization's control design.

Seminar Locations

Washington DC area

June 7 - 8, 1999
Crystal City Marriott

Los Angeles area

July 12 - 13, 1999
Marina Beach Marriott

London

September 13 - 14, 1999
The Thistle Tower Hotel

CPE Credits: 14

Seminar Fee: \$845 for US seminars \$995 for UK seminar (discounts: \$100 early registration and additional \$100 discount for attending Auditing Testing Practices seminar)
Breakfast and Lunch included

Auditing Testing Practices

The seminar for experienced IS audit professionals

Seminar Objective

Regardless of whether an auditor is performing a pre-implementation review or performing a sample selection of test plans to support an SDLC review, testing is the primary focus of the review. This seminar will provide the attendee with a solid foundation to perform a review of testing methodologies, standards and actual project level test plans and results.

Seminar Locations

Washington DC area

June 9 - 10, 1999
Crystal City Marriott

Los Angeles area

July 14 - 15, 1999
Marina Beach Marriott

London

September 15 - 16, 1999
The Thistle Tower Hotel

CPE Credits: 14

Seminar Fee: \$845 for US seminars \$995 for UK seminar (discounts: \$100 early registration and additional \$100 discount for attending Hidden Secrets seminar)
Breakfast and Lunch included

Introduction to IS Auditing

The seminar for non-audit professionals and junior IS audit professionals

Seminar Objective

The course is designed to provide a full scale training course for new IS auditors. Individuals attending this course will be able to start performing comprehensive effective IS audits immediately.

Seminar Locations

Washington DC area

June 16 - 18, 1999
Crystal City Marriott

Los Angeles area

July 19 - 21, 1999
Marina Beach Marriott

London

June 28 - 30, 1999
The Thistle Tower Hotel

CPE Credits: 19

Seminar Fee: \$995 for US seminars \$1095 for UK seminar (discounts: \$100 early registration discount)
Breakfast and Lunch included

Please refer to the Audit Serve's corporate website at <http://www.auditserve.com> for detailed course outlines, on-line registration and hotel information

Phone: 203-972-3567 Fax: (203) 972-3367 e-mail: info@auditserve.com
For direct links to invaluable audit information use WWW.AUDITLINKS.COM

Global Information Repository

The Global Information Repository (GIR) is now available on the ISACA web site at <http://www.isaca.org>. The first section (Y2K) is well underway, and other sections, including CISA exam preparation, Internet security, telecommunications and IS control, among many others, will be added soon. Each portion of the GIR will contain references to education opportunities, books, CD-ROMs, articles, papers and links to web sites (www.isaca.org/gir_y2k.htm).

Some sections of the GIR will be open to the public; other sections will be available exclusively to ISACA members. "Push" technology will allow visitors to submit a form indicating topics of special interest and an automatic e-mail will be sent to that individual when information on the topic is added or changed.

ELECTRONIC COMMERCE JOINT RESEARCH INITIATIVE

The Information Systems Audit and Control Foundation (ISACF) and Deloitte & Touche have formed an alliance to conduct joint research to define best practices for electronic commerce security.

The four-phase research project will begin with a world-wide survey on the state of eCommerce security. Deloitte & Touche will interview executives at 150 companies in 12 countries and will survey Information Systems Audit and Control Association (ISACA) members. The results will be published by ISACF, and will serve as the foundation for the development of a perspective on eCommerce security. Next, a series of technical reference guides will be developed to explore technologies and practices that support eCommerce. Finally, a series of case studies in eCommerce security will be created. These success stories will focus on companies that have capitalized on the secure use of the Internet to advance their business.

"The Internet and World Wide Web have caused many to rethink the flow of their operations and business models. We are confident that within the next few years there will be no real distinction between eCommerce and commerce generally. This is why a security initiative around eCommerce is so important." said Patrick Stachtchenko.

Job Listing Web Page

The Kettle Moraine Chapter of ISACA announces the addition of a Job / Ad Listing page to its web site at <http://www.execpc.com/~isaca-km/jobadd.htm>. Job position ads will be posted to this page at a charge of \$50 per month or can be combined with ad in the newsletter.

Kettle Moraine Chapter of ISACA's Advertising Policy

The ByteLine, the newsletter of the Kettle Moraine Chapter of ISACA, reaches a circulation base of approximately 130 members and interested parties throughout Wisconsin and Northern Illinois. A PDF format version of the newsletter is also posted on the chapter's web site at: <http://www.execpc.com/~isaca-km>. The newsletter is published monthly from September through May.

We accept advertisements on a fee basis for employment opportunities and vendor services related to the computer audit and security field. Pricing for all advertising in *The ByteLine* and on the web site is as follows:

Advertising Rates

	Newsletter Only (1 issue)	Newsletter plus Web (1 iss/mo)	Only Web Page (1 month)
Full Page	\$100	\$145	\$50
½ Page	\$50	\$95	\$50
¼ Page	\$25	\$70	\$50

Positioning of an ad will be at the discretion of the newsletter editor who is responsible for the newsletter's layout and design. We reserve the right to review all advertising. Advertisers must assume liability for ad content and are responsible for any claims that may arise from their advertising.

The views and opinions contained in this newsletter are solely those of its author, and do not necessarily represent or reflect the views or opinions of the Kettle Moraine Chapter of ISACA. In the event you have any questions concerning this newsletter, you may wish to contact the author directly.

Event Calendar

ISACA Kettle Moraine Chapter

September 9, 1998	Audit, Security and Control of UNIX	Patrick Hynes, Ernst & Young
October 14, 1998	What makes a Successful Disaster Recovery Plan?	Mr. Daniels, M&I Data Services
November 11, 1998	eCommerce / CISA Recognition Lunch	Ernst & Young
December 9, 1998	Today's Security Technologies: Using the Right Tool	Ruth Page Jones, Athena Consulting
January 11, 1999	Protecting Your Network for Internet Access and From Internet to E-Commerce: How Business, Education & Government Will Evolve a 21st Century Network - Joint meeting with WASM	Craig Anderson, Grant Thornton LLP Shaun Abshere, WiscNet
February 10, 1999	COBIT	Daniel Buckley and Meredith Connor, Arthur Andersen
March 10, 1999	Internet Resources for Auditors	Paul Rozek, AuditForce, Inc.
April 6 & 7, 1999	Seminar: Control and Security of the Internet	Jeff Connor, CanAudit
May 12, 1999	(To Be Announced)	
September 8, 1999	(To Be Announced)	

1998 - 1999 ISACA Dates

May 4-7, 1999	CACS	Orlando, Florida
June 12, 1999	CISA Exam	Various Locations
July 11-14, 1999	The International Conference	Denver, Colorado

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