

45 Views | 17 CrossRef citations to date | 0 Altmetric

Report
The Crimeware Landscape: Malware, Phishing, Identity Theft and Beyond

Aaron Emigh

Pages 245-260 | Published online: 24 Feb 2007

🗨️ Cite this article 🔗 <https://doi.org/10.1080/15567280601049985>

Sample our Bioscience Journals
>> **Sign in here** to start your access to the latest two volumes for 14 days

📄 Full Article | 📊 Figures & data | 📖 References | 🗨️ Citations | 📈 Metrics

📄 Reprints & Permissions | **Read this article**

ABSTRACT

“Crimeware” is software that performs illegal actions, unanticipated by a victim running the software. Crimeware is often distributed via a wide variety of methods, including keyloggers, phishing, click fraud, and identity theft. The software is often deployed on a victim's device without their knowledge or consent. This article discusses the various types of crimeware, how they are distributed, and the damage they can cause. It also provides recommendations for how to protect yourself from crimeware.

We Care About Your Privacy

We and our 843 partners store and/or access information on a device, such as unique IDs in cookies to process personal data. You may accept or manage your choices by clicking below, including your right to object where legitimate interest is used, or at any time in the privacy policy page. These choices will be signaled to our partners and will not affect browsing data. [Privacy Policy](#)

We and our partners process data to provide:

- Use precise geolocation data. Actively scan device characteristics for identification. Store and/or access information on a device. Personalised advertising and content, advertising and content measurement, audience research and services development.

List of Partners (vendors)

I Accept | **Essential Only** | **Show Purpose**

KEYWORDS

keylogger

transaction

Notes

*Aaron Emigh is Managing Director of Radix Labs, a security consultancy, and Executive VP of Technology at Six Apart, the world leader in blogging software and services. He serves on the US Department of Homeland Security-SRI International Identity Theft Technology council, the US Secret Service San Francisco Electronic Crimes Task Force, the Board of Directors of the Sierra Nevada Infragard Chapter, and the Board of Directors of Ravenwhite, Inc.

Disclaimer: This article is a Joint Report of the U.S. Department of Homeland Security—SRI International Identity Theft Technology Council, the Anti-Phishing Working Group, and IronKey, Inc. Points of view expressed in this document are those of the author and do not necessarily represent the official position of the DHS S&T Directorate or IronKey, Inc.

Adida, Ben, David Chau, Susan Hohenberger, and Ronald L. Rivest. Lightweight Signatures for Email. Draft of June 18, 2005; to appear.

Anti-Phishing Working Group. "Phishing Activity Trends Report: December 2005." The Anti-Phishing Working Group, December 2005.

Close, Tyler. Waterken YURL: Trust Management for Humans. Waterken Technical Report, July 2004.

Emigh, A
Report o
Technolo

Financia
the Phishing



Heasma
consulting

Herzberg
Spoofing
sers from

The Honeynet Project & Research Alliance. "Know Your Enemy: Tracking Botnets." Report of the Honeynet Project, March 13, 2005.

The Honeynet Project & Research Alliance. "Know Your Enemy: Phishing." Report of the Honeynet Project, May 16, 2005.

IEEE P1363 Working Group. "IEEE P1363.2: Standard for Password-Based Public Key Cryptographic Techniques." IEEE Draft D20, March 28, 2005; forthcoming.

Jagatic, T., N. Johnson, M. Jakobsson, and F. Manczer. "Social Phishing." To appear in Communications of the ACM, 2006.

Jakobsson, Markus. "Modeling and Preventing Phishing Attacks." Phishing Panel in Financial Cryptography '05.

Jakobsson, Markus, Adam Young, and Aaron Emigh. Distributed Phishing Attacks. To appear.

Litan, Avivah. "Phishing Attack Victims Likely Targets for Identity Theft." Gartner FirstTake FT-22-8873, May 4, 2004.

Morris, Robert T. "A Weakness in the 4.2BSD UNIX TCP/IP Software." Computing Science Technical Report 117, AT&T Bell Laboratories, February 1985.

Rager, Anton. "Advanced Cross-Site-Scripting with Real-time Remote Attacker." Avaya Labs Technical Report, February 9, 2005.

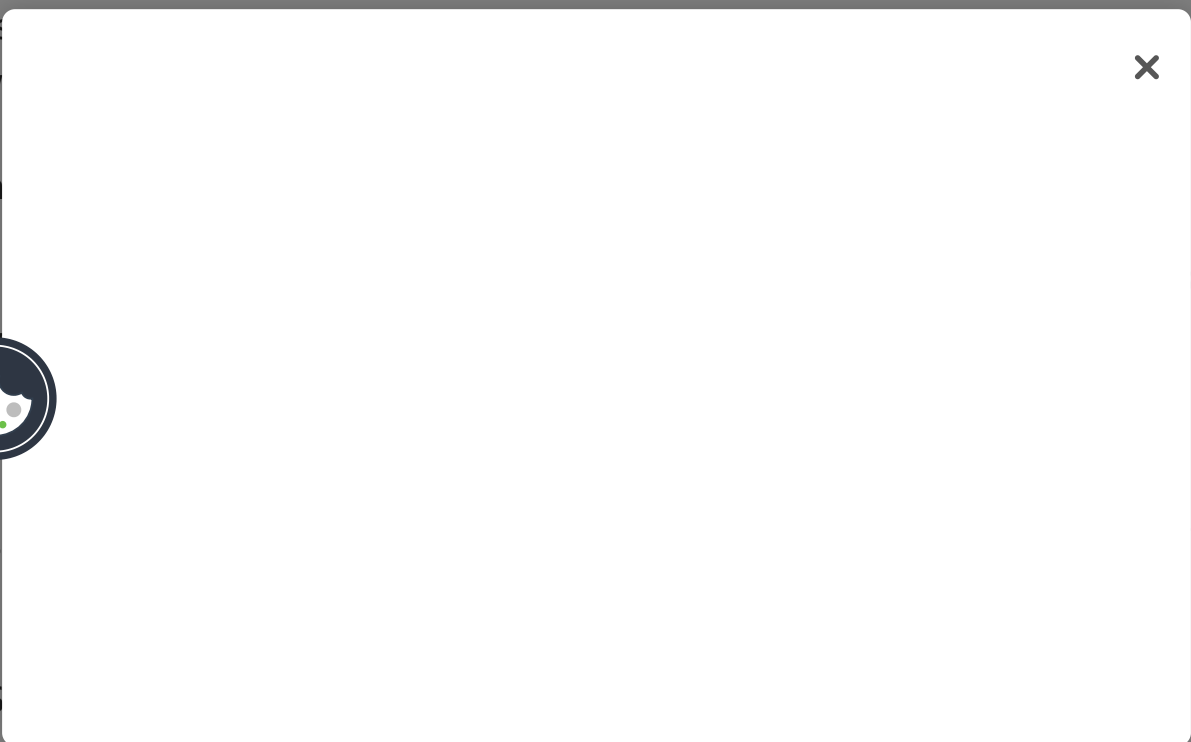
Rasmussen, J. "Phishing: A Threat to Identity/Information Security." Honeynet Report, 2006.

Rescorla, E. "The Security of RSA Security." RSA Security Report, 2006.

Stasiuk, J. "Phishing: A Threat to Identity/Information Security." Honeynet Report, 2006.

Stewart, J. "Phishing: A Threat to Identity/Information Security." Honeynet Report, 2006.

United States Department of Justice. "Ancheta. Grand Jury Indictment CR OS-1060 (February 2005)."



Young, Adam, and Moti Yung. "Cryptovirology: Extortion-Based Security Threats and Countermeasures." IEEE Symposium on Security and Privacy 1996.

Related research

People also read

Recommended articles

Cited by
17

Information for

Authors

R&D professionals

Editors

Librarians

Societies

Opportunities

Reprints and e-prints

Advertising solutions

Accelerated publication

Corporate access solutions

Open access

Overview

Open journals

Open Select

Dove Medical Press

F1000Research

Help and information

Help and contact

Newsroom

All journals

Books

Keep up

Register to receive updates by email

 Sign up

Copyright

Accessib

Registered
5 Howick Pl



or & Francis Group
orma business