

Overview on Phishing Attacks

Ioan-Cosmin MIHAI

“A.I. Cuza” Police Academy, Bucharest, Romania
cosmin.mihai@academiadepolitie.ro

Abstract

Phishing, the act of stealing information via Internet in order to commit financial fraud, has become a significant criminal activity. Phishing has a negative impact on the economy by financial losses taken by companies or individuals, with the side effect of increasing customer distrust in online trading. Nowadays technical resources used in making phishing attack can be purchased from public or private resources; certain technical resources are automated and can be used by less experienced hackers.

Index terms: cyber-attacks, e-mail phishing

References

- [1] Anti Phishing Working Group, “Phishing Activity Trends Report – January 2006”, http://www.antiphishing.org/reports/apwg_report_jan_2006.pdf, September 2006.
- [2] Anti Phishing Working Group, “Phishing Activity Trends Report – December 2006”, http://www.antiphishing.org/reports/apwg_report_december_2006.pdf, December 2006.
- [3] Jason Milletary, “Technical Trends in Phishing Attacks”, http://www.cert.org/archive/pdf/Phishing_trends.pdf
- [4] Matthew Broersma, “Trojan Targets Microsoft's AntiSpyware Beta” <http://www.eweek.com/article2/0,1759,1763560,00.asp>, July 2006.
- [5] Evgeniy Gabrilovich, Alex. Gontmakher, “The Homograph Attack”, Communications of the ACM, http://www.cs.technion.ac.il/~gabr/papers/homograph_full.pdf, February 2007.
- [6] Brian McWilliams, “Cloaking Device Made for Spammers”, <http://www.wired.com/news/business/0,1367,60747,00.html>, August 2006.
- [7] Sophos, “Do-it-yourself phishing kits found on the Internet, reveals Sophos”, <http://www.sophos.com/spaminfo/articles/diyp phishing.html>, August 2006.
- [8] Paul Roberts, “More Scam Artists Go Phishing”, <http://www.pcworld.com/news/article/0,aid,116330,00.asp>, January 2007.
- [9] Tom Schmidt, “How Filtering Screens Out Spam”, http://www.itstrategycenter.com/itworld/Threat/viruses/how_filtering_screens/, May 2006.
- [10] Will Dormann, “Multiple web browsers vulnerable to spoofing via Internationalized Domain Name support”, <http://www.kb.cert.org/vuls/id/273262>, March 2006.
- [11] Will Dormann, “Microsoft Internet Explorer DHTML Editing ActiveX control contains a cross-domain vulnerability”, <http://www.kb.cert.org/vuls/id/356600>, February 2007.