The Dumbing Down of SportPhishing

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The current crop of phisherpersons can’t see the phorest phor the phurze.

Legend has it that the first description of the phishing technique dates back to a 1987 presentation at an Interex conference by Jerry Felix and Chris Hauck (“System Security: A Hacker’s Perspective”; www.peterjbentley.com/bibliography.pdf). Within 10 years, the technique was informally named phishing (www.brighthub.com/internet/security-privacy/articles/82116.aspx). That was eons ago in IT years—plenty of time to evolve into new and mysterious techniques. So why is it that we’re still trolling for the bottom feeders of the phishing world?

PUTTING IT IN PERSPECTIVE

Let’s put this in perspective. In 1987, Microsoft had just released Windows 2.0 as its latest “killer” DOS shell. The newest Intel CPU offering was the 386. Morris hadn’t launched his worm yet. The number one song on some charts was Ben E. King’s “Stand by Me.” The big TV premiere of the year was Married with Children on the new Fox network, and Seinfeld was still a dream for Jerry.

We’re talking a long time ago. And after all that time, we’re just now seeing the last of the Nigerian 419 scam. Where is all the e-criminal talent? We seem to be regressing here.

I offer the following modest examples in support of this claim. Let’s begin with the cryptic phish bait in Figure 1. Clearly, this minimalist offering is motivated by some serious cyber-illiteracy. Even on the face of it, this is a paradigm case of “phatuous phish bait”:

• the user-defined return e-mail address domain name is uninformative;
• the return e-mail address doesn’t match the sender’s name;
• the e-mail is forwarded;
• the target is unnamed;
• the message is evasive and obscure; and
• the filename of the attachment = <Details.zip>.

But that’s only the surface. Perusal of the e-mail header in Figure 1b reveals the following:

First off, the e-mail source (186.113.217.18) is assigned to an ISP...
in Columbia, while the registrar of record for pdt.net is the Internet support service, Tucows.com, a company that is far too big to cooperate with Columbian ISPs on phishing scams. Predictably, an e-mail validation test on YareliGierling@pdt.net yields a 550 error: Sorry, no mailbox by that name <reset>.

There’s nothing about this e-mail that even pretends to ring true—either on the surface or based on an analysis of the header. C’mon, Gabriella, Yareli, or whoever you are. This is a really lame effort. Read a book.

I next offer Figure 2 for your consideration. I’ve received literally hundreds of these bogus UPS notifications in the past few months—I’m about to drown in digital brown at this point.

Note that the target of this absurdity is {mailto_username}@{mailto_domain}. C’mon script kiddies, learn about the operation of scripting variables before you use them. Note also that the tracking number link to the malware that starts the infection cycle is startupwordpresstoday.com/spss.html. What is the chance that UPS will store this tracking number database on startupwordpresstoday.com, which, incidentally, is registered to a Houston P.O. box of a bogus Hotmail account holder? Call me crazy, but I have a hunch that UPS doesn’t use hotmail account holders as its registrars of record.

As an aside, all links on the page but the last point to the same malware—a technique that, for want of a better term, I’ll call phishing by “snaglining.” By the time this subcerebral phishing effort reached me, the DNS records had already been pulled, and the domain name appeared on several blacklists.

Consider the Bulgarian contribution in Figure 3. Although the phish bait came from Sofia, the link reveals that the server that plants the malware is a legitimate automobile dealer in Canada. While the bait itself has
dumbing down of phishing generally, which now seems to be almost exclusively in the hands of unenlightened script kiddies. This wasn’t always the case. Five to 10 years ago, I received a continuous stream of grist for my network forensics students’ lab assignments. The latest offerings are too low-brow even for neophyte students.

To illustrate, consider the old-school classic phish bait in Figure 4. This is bait that serious undergraduates can get their hands around. Note the creative use of an image map with a nonmnemonic filename as the link’s anchor, the stealthy Unix subdirectory name (…) to avoid the computer owner’s suspicion, and the gratuitous hidden text (white on white) to fool e-mail software’s Bayesian analyzer. This is phish bait with pedagogical value, unlike its unworthy successors.

Whatever happened to the skillful hackers of yore who gave the world techniques like those in Figure 4—as well as script embedding, domain and URL spoofing, ASCII character convolutions, and Unicode/escape encoding? Few ever got prosecuted, much less convicted. This lost generation of phishers left an e-crime void that has been filled by merchants of mediocrity.

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