UNIVERSITY OF
TORONTO
Identity, Privacy & Security Institute

The IPSI Lecture Series Presents:

Characterizing and Quantifying Politically-Motivated Targeted Malware

Seth Hardy

Professional "Hacker" and Community Builder

Targeted attacks on civil society and non-governmental organizations have gone underreported despite the fact that these organizations have been shown to be frequent targets. NGOs are particularly vulnerable to online attacks, as they often do not have dedicated IT staff or budgets. It is relatively easy for a motivated attacker to succeed in compromising these targets - many targeted threats are not technically sophisticated, and instead have concentrated effort put into social engineering for the delivery method.

In this talk, we will look at the types of malware employed in politically-motivated targeted attacks and the social engineering tactics used to deliver them. We will also cover the Targeted Threat Index (TTI), a metric developed to quantify and assess the risk of specific attacks. Following the talk, we will have an open discussion on these targeted threats as well as methods, particularly education, that have the highest potential to help prevent compromise.

Monday, November 16, 2015

11:00 AM – 12:30 PM

University College, RM 179

15 King's College Cir, Toronto, ON M5S 3H7

Professional "hacker" with strong background in cryptography, including formal education in mathematics. Experience with reverse engineering binaries and document file formats, threat actor attribution, antivirus bypass, vulnerability research, and penetration testing. Interested in various aspects of cryptography including random number generation, trust networks, and anonymous systems.

Community builder who leads by example, or a professional troublemaker-- take your pick, it's all the same.

Specialties: Cryptography, cryptanalysis, coding theory, information theory, complexity theory, combinatorics, vulnerability research, reverse engineering, protocol analysis, assembly language, andflamethrowers.

IPSI

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