

Report finds new threats to public sectors

The second quarter of 2015 was filled with high-profile vulnerabilities, hacks and cybercriminals becoming more inventive in their method of attack to infiltrate existing technologies that are often overlooked. Analysing these developments, [Trend Micro Incorporated](#) released their Q2 security roundup report "A rising tide: new hacks threaten public technologies." The report details the evolution of tools and methods attackers use to get the greatest return on every cybercrime investment.



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"In the second quarter, we saw a shift in the threat landscape with cybercriminals becoming more sophisticated and creative, amplifying existing methods of attack and using them in new ways," said Raimund Genes, CTO, Trend Micro. "The ethereal outlook on the threat of cybercrime can no longer be held by the general population. This quarter demonstrated that the potential damage caused by cyber attacks extends far beyond a simple software bug to hacks of airplanes, smart cars and television stations."

Hackers are taking more strategic approaches, refining their approach and targeting more selective victims to improve their infection rates. This is reflected by the exponential increase in the use of several traditional attack methods, including a 50 percent increase in the integration of the Angler exploit kit, a 67 percent growth in overall exploit kit-related threats, and CryptoWall ransomware becoming highly targeted, with 79 percent of infections occurring in the US.

Additionally, government entities have realised the full impact of cyber attacks during the second quarter with massive data breaches on both the Internal Revenue Service (IRS) in May and the US Office of Personnel Management (OPM) system in June. The OPM data breach was the largest of its kind to date, exposing personally identifiable information of approximately 21 million individuals. Other government agencies were impacted by targeted campaigns using macro malware, new command and control (C&C) servers, and the continued use of newly exploited vulnerabilities and 0-days Pawn Storm.

When looking at the Q2 threat landscape as a whole, the US is a major player in both deploying and receiving various attacks, with malicious links, spam, C&C servers and ransomware all having a major presence.

Report highlights include:

Hacks causing disruptions to public utilities

Broadcast networks, [airplanes](#), automated vehicular systems and home routers pose not only the risk of malware infections but physical inconveniences and threats. Lone wolf cybercriminals gain notoriety via successful ransomware and PoS attacks, FighterPoS and MalumPoS. These deployed by solo hackers "[Lordfenix](#)" and "[Frapstar](#)," along with Hawkeye keylogger attacks, demonstrated that single individuals are capable of making a significant impact in today's threat marketplace.

Government entities fight back against cybercrime

Interpol, Europol, the Department of Homeland Security and the FBI all played a role in taking down longstanding botnet

operations. Additionally, the indictment of Silk Road founder Ross Ulbricht brought to light the nebulous nature and dangers of the Dark Web.

National and political impacts were made by attacks on government organisations

The attack on [OPM](#) was a shocking realisation that no one's personal data is safe. Macro malware, island-hopping and C&C servers were among the tactics used to target government data in this and similar breaches.

Public-facing websites and mobile devices were threatened in new ways

While threats to software are always present, vulnerabilities in web apps were proven to be just as dangerous. Attackers will leverage any vulnerability available and custom applications need custom security attention to ensure those entry points are eliminated.

For the complete report, please visit [A rising tide: new hacks threaten public technologies](#).

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